**RST®**

Pluggable electrical installation  
with highest IP rating (IP6X)

Catalog 2018









# Pluggable connections

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# The idea of pluggable installation

## As easy as brilliant

### ► Conventional installation



#### Work steps:

##### Power distribution:

- Cut the cable to length
- Strip the cable sheath
- Insert the cable into the junction box
- Strip the wire insulation
- Connect the individual wires
- Close the junction box

##### Luminaire installation:

- Open the luminaire
- Cut the cable to length
- Insert the wire into the luminaire
- Strip the wire insulation
- Connect the individual wires
- Close the luminaire



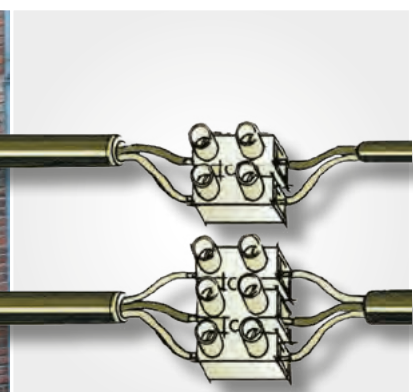
### The **gesis**®-installation philosophy:

#### The idea is as easy as it is brilliant.

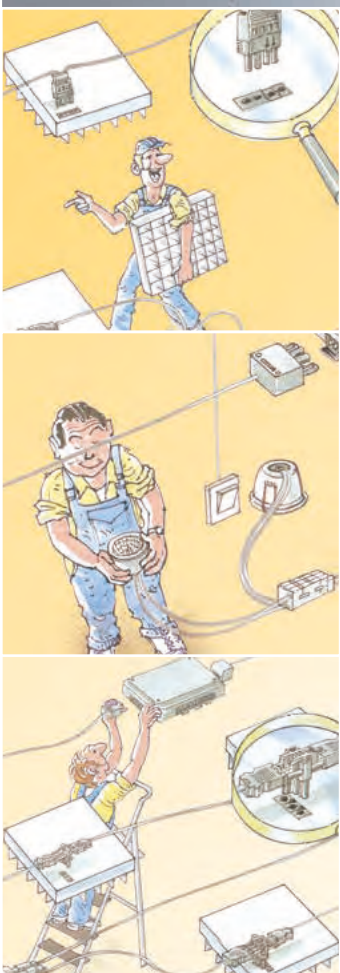
An extensive network of components of electrical connection technology, pre-assembled and most carefully tested, enables a consistently pluggable solution from the distribution board to each point of demand.

This saves time and reduces costs! A great number of renowned manufacturers have recognized this positive trend and, as system partners, already offer their components with pluggable **gesis**® connectors.

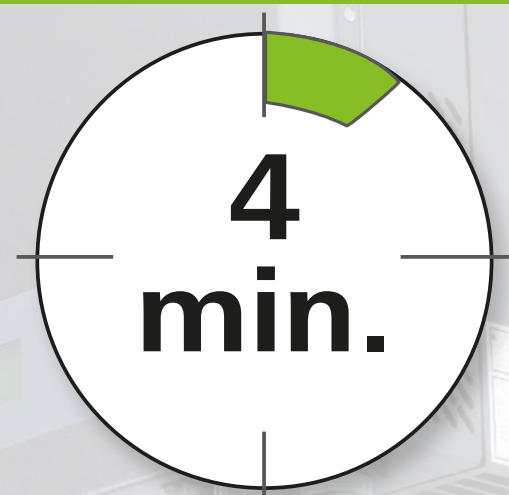
The system's fields of application are as versatile as the system itself. In short: wherever electrical power or signals need to be distributed, **gesis**® has set a standard.







► Pluggable installation from Wieland

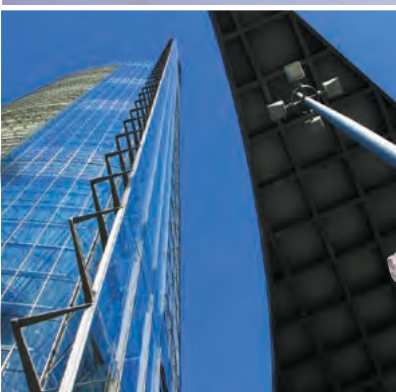


### Work steps:

- Attach the luminaire
- plug & play

### Additional advantages:

- Touch-safe
- Straightforward cable layout
- Simple replacement of devices
- Easy expansions or modifications
- Re-usable
- Mechanical codings
- Integrated locking device and strain relief





# Electrical installation with a system

## A concept for all situations

Wieland, as the world market leader in the field of pluggable electrical installation, provides a consistently pluggable installation system: complex installations from the distribution board to each point of demand can be implemented with only four base components.

**gesis®**

**IP20**

**1**

Connector (female + male) for the supply into the connector system



**INCOMING  
SUPPLY**

– interface between conventional and pluggable installation

**2**

Distribution blocks for power or signal distribution within the network



**DISTRIBUTION**

**3**

Pre-assembled cables for routing or supply of electrical power or signals



**ROUTING**

**4**

Device connections are directly integrated into the end devices and function as the interface to the connector system



**DEVICE CONNECTION**

# indoor

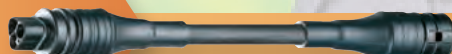
Transfer of the successful **gesis®** installation philosophy ...





**RST®****IP66 / 68 (3m; 2h) / 69**

Unique to the market thus far, Wieland transferred its successful **gesis®** installation philosophy to new outdoor applications and with it set new standards.

**INCOMING  
SUPPLY****DISTRIBUTION****ROUTING****DEVICE CONNECTION****Degree of protection achieved:**

|             |                               |
|-------------|-------------------------------|
| <b>IP65</b> | Jet water                     |
| <b>IP66</b> | Powerful jet water            |
| <b>IP67</b> | Temporary immersion           |
| <b>IP68</b> | Lasting immersion<br>(3m; 2h) |
| <b>IP69</b> | High-pressure water jets      |

# outdoor

... in areas with increased protection requirements



In many applications, electrical devices and systems must work safely under difficult environmental conditions for many years. For a reliable function, the ingress of water or foreign particles (such as dust, oil, and soot) into production systems, parking garages or outer premises must be avoided. Within the scope of the specified degree of protection the **RST®** system even withstands unplanned immersion.

**The system is not designed for permanent operation under water.**

## Overview of the fields of application

Power everywhere – safe and quick!

POWER CONNECTION  
FOR ELECTRICAL  
DEVICES



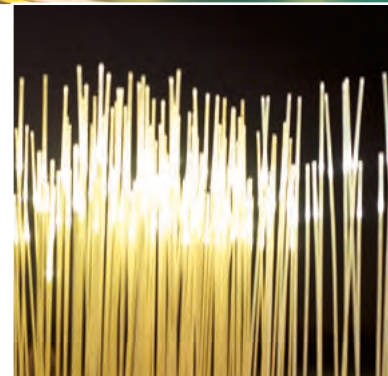
CONSTRUCTION  
POWER SYSTEMS



OUTDOOR LIGHTING



SYSTEM  
ENGINEERING





## SOLAR TECHNOLOGY



## EVENT TECHNOLOGY



## OBJECT AND SHIP BUILDING



# Complete system for industrial use Connecting quickly and safely

## SYSTEM ENGINEERING

### The pluggable electrical installation also for industrial use

#### ■ The challenge:

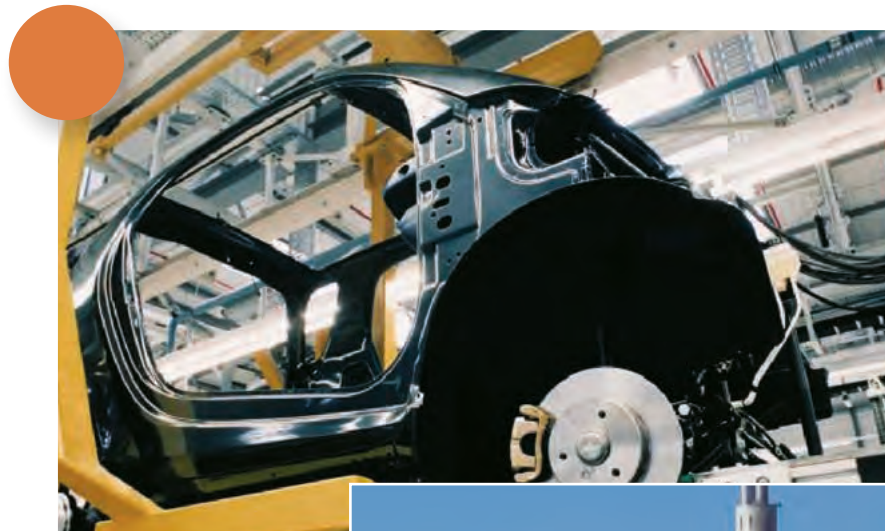
Whether individual applications or complex systems – the tasks are the same: electrical consumer devices must be connected quickly and safely.

Conventional installations do not meet these requirements. Cutting the cables to length, stripping the cable sheath and wire insulation, and finally connecting the components, are not only time-consuming operations, but frequently also cause errors and result in reworking. Cooperation of different trades (mechanical and electrical installation) during the setup of a system impedes the continuous progress of operations. This does not just apply to initial installations.

For expansions, regular servicing or replacement of defective devices, the same installation steps recur over and over again.

#### Possible applications:

- Motor connection (3~)
- Power distribution 250/400 V ~
- Power supply up to 50 V, bus
- Voltage supply 24 V, AS-i
- Workstation illumination
- Painting checks



#### ■ The solution:

As a complete installation system, **RST®** provides definite time savings during installation. The components are pre-assembled in the factory and simply plugged together in the field. Troublesome cutting to length, stripping of sheath and insulation, and connecting is now a matter of the past. Operational downtimes are thus clearly reduced. In the case of defective devices or regular servicing, the consumer devices can be disconnected from the network quickly. As an additional advantage the installer does not have to open the device for completion of the electrical connection, which means that incorrect assembly especially of water-protected devices can be excluded.



#### Pre-assembly in a separate location:

The **RST®** installation system enables completely new possibilities. Entire system sections can be pre-assembled and tested independent of the location of operation. The individual modules are simply plugged together on site.





## Cost reductions:

Connections in system sections are frequently over-dimensioned. This was not least due to a lack of alternatives. But this is where a major savings potential is provided.

The **RST**® system counts on completely pre-assembled components which only have to be plugged in on site.

## Making electrical devices pluggable

Device connectors function as an interface between the electrical consumer devices and the **RST**® installation system. The consumer device becomes pluggable through the integrated device connector and can therefore be incorporated into the installation system as required.

The device connectors have been equipped with standard threads (M16 and M25) and can therefore be replaced easily by conventional feed-through facilities.

### **RST**® MINI: (examples of application)

**RST16i2** AS-i or 24 V

**RST16i3** Power with ⚡

**RST16i4** Power with ⚡  
AS-i and 24 V

**RST16i5** Power with ⚡

### Compact and multi-distribution units

### **RST**® CLASSIC: (examples of application)

**RST20i2** AS-i or 24 V

**RST20i3** Power with ⚡

**RST20i4** Power with ⚡  
AS-i and 24 V

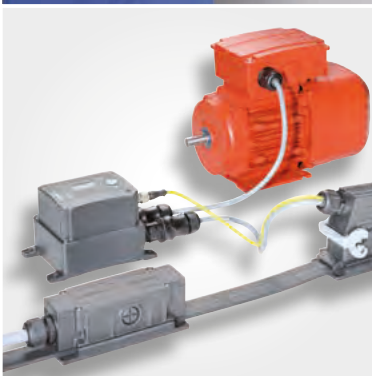
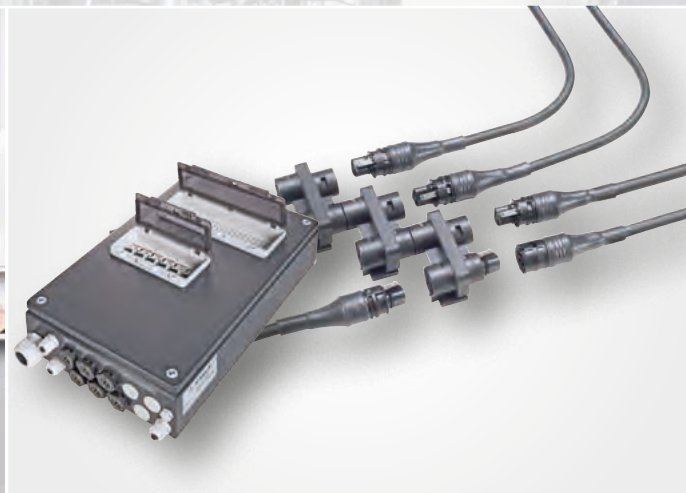
**RST20i5** Power with ⚡

### Compact and multi-distribution units

### **RST**® POWER: (examples of application)

**RST50i4** Power with ⚡, without N

**RST50i5** Power with ⚡



# Rapid mounting system

## Flexible and modular AS Interface

### SYSTEM ENGINEERING

#### Separate routing of AS-i and extra-low voltage

AS-i and extra-low voltage up to  
~50/-120V

It is possible to select an individual mechanical coding for each circuit. Mechanically coded means that only the matching male and female connector pairs can be plugged together. This ensures a clear separation of the two circuits.



Example:  
AS-i with coding 250/400V  
in pebble gray

Example:  
Extra-low voltages with coding  
~50/-120V in signal brown

#### Four basic components for a consistent installation:

- Connectors can be pre-assembled on site and are available either for connection of a round cable or of the AS-i profile cable.
- Distribution blocks enable distribution of electrical power and signals throughout the network.
- Pre-assembled cables are available in various lengths and designs and are used for the routing and supply of auxiliary power / signals.
- Device connections are directly integrated into the end devices and function as the interface to the connector system.

#### Technical data:

- Voltage supply 50/120V, 20 A
- IP66 / 68 (3m; 2h) / 69
- Temperatures between -40 and +100° C
- Screw connection 0.5 – 4.0 mm<sup>2</sup>





## Common laying of AS-i and 24 V (example of application)

### AS-i and 24 V combined in one cable

Until now AS-i and 24 V have normally been laid separately, but can now be combined and installed in a 4-pole version, too.

### The highest level of flexibility

The rapid mounting system provides the decisive advantage particularly for the increasingly modular design in function modules. Depending on the application you can switch between the low-cost round cable and the AS-i profile cable as required. Everything is pluggable – for the user, this means top flexibility and at the same time quick and reliable installation.



**RST® MINI:** (Sample applications)

**RST 16i2** AS-i or 24V

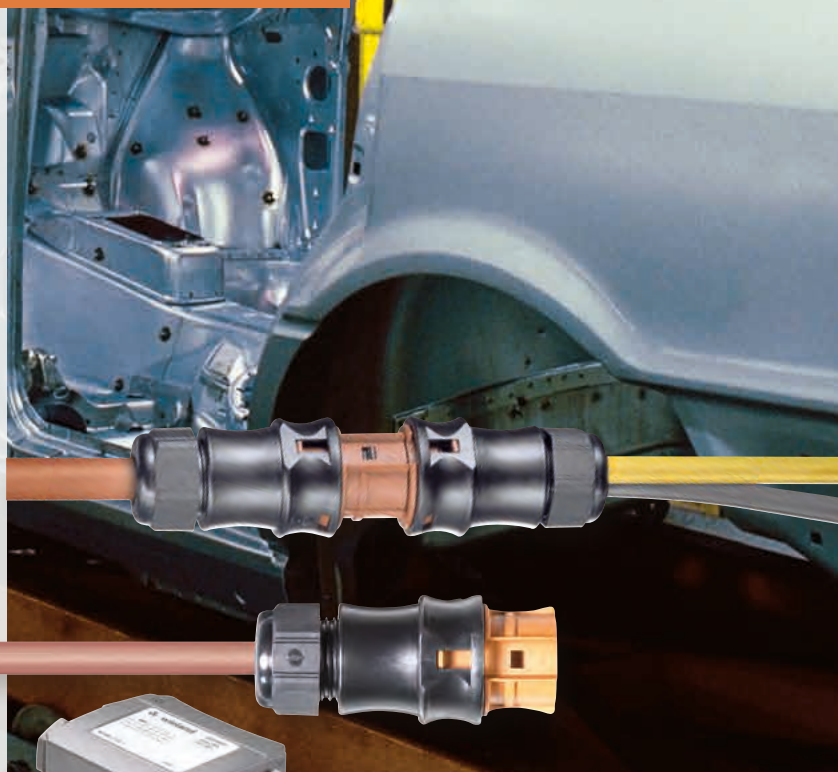
**Compact and multi-distribution units**

**RST® CLASSIC:** (Sample applications)

**RST 20i2** AS-i or 24V

**RST 20i4** AS-i and 24V

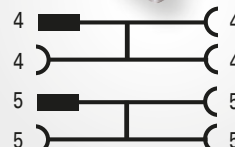
**Compact and multi-distribution units**



Distribution unit AS-i/24V



Distribution unit AS-i/24V and power






**RST® CLASSIC**

## Pluggable electrical installation with ATEX, IEC Ex certification

### SYSTEM ENGINEERING

#### Used in different industries

#### Definition of explosive hazardous areas

When talking about explosive hazardous areas, everybody thinks of the chemical industry or mining. However, explosion protection is an important topic for many sectors of the processing industry. In some cases, even carpenter's workshops and industrial bakeries may be affected. Special explosion protection measures are necessary wherever a dangerously high concentration of gas/air or dust/air mixtures occurs.

Areas where a potentially explosive atmosphere is possible must be clearly identified as explosive hazardous areas.



Explosive hazardous areas are often divided into zones according to the frequency and duration of potentially explosive atmospheres.

The requirements for devices used in these areas are correspondingly high.

#### Coding:

Electrical connectors and equipment connections:

CE1258 II 3G Ex ec IIC T6 Gc  
CE1258 II 3D Ex tc IIIC T85 °C Dc  
IECEx SEV 15.0024 X  
SEV 07ATEX0110X

With cable assembly H05VV-F:

CE1258 II 3G Ex ec IIC T6 Gc  
CE1258 II 3D Ex tc IIIC T70 °C Dc  
IECEx SEV 15.0024 X  
SEV 07ATEX0110X

With cable assembly H07RN-F:

CE1258 II 3G Ex ec IIC T6 Gc  
CE1258 II 3D Ex tc IIIC T60 °C Dc  
IECEx SEV 15.0024 X  
SEV 07ATEX0110X

Please note the current rating reduction

– when using H07RN-F cables:

2- and 3-pole 1.5 mm<sup>2</sup> – max. 14.5 A 2.5 mm<sup>2</sup> – max. 17.5 A

4- and 5-pole 1.5 mm<sup>2</sup> – max. 12.5 A 2.5 mm<sup>2</sup> – max. 17.0 A

– when using the splitter connection:

2-, 3-, 4- and 5-pole 1.5 mm<sup>2</sup> – max. 16 A

and when using the distribution blocks 2- and 3-pole  
with a cable cross section of 2.5 mm<sup>2</sup> to max. 17.5 A



## Temperature classes

(max. device surface temperature)

|    |        |
|----|--------|
| T1 | 450 °C |
| T2 | 300 °C |
| T3 | 200 °C |
| T4 | 135 °C |
| T5 | 100 °C |
| T6 | 85 °C  |

### Device group I (mining)

| Category M1                                       | Category M2                    |
|---|--------------------------------|
| Continuous, long, or frequent periods of exposure | Occasional periods of exposure |
| > Very high degree of safety                      | > High degree of safety        |

### Device group II (other areas)

| Category 1                                       |                  | Category 2                     |                  | Category 3                            |                  |
|--|------------------|--------------------------------|------------------|---------------------------------------|------------------|
| Continuous, long or frequent periods of exposure |                  | Occasional periods of exposure |                  | Infrequent, short periods of exposure |                  |
| > Very high degree of safety                     |                  | > High degree of safety        |                  | > Normal degree of safety             |                  |
| Zone 0   | Zone 20          | Zone 1                         | Zone 21          | Zone 2                                | Zone 22          |
| Material group G                                 | Material group D | Material group G               | Material group D | Material group G                      | Material group D |

### Example:

Part number    **96.031.4053.1**  
                       ↓  
                       **X6.031.4053.1**

To obtain the part numbers for the components with ATEX certificate, the first digit of the regular part number „9“ must be replaced with an „X“.

The minimum order quantity is 100 units per part.

ATEX sample kits  
 3-pole: 99.663.0000.0  
 5-pole: 99.664.0000.0





## **podis® flat cable power bus** Remote power distribution without stripping

### SYSTEM ENGINEERING



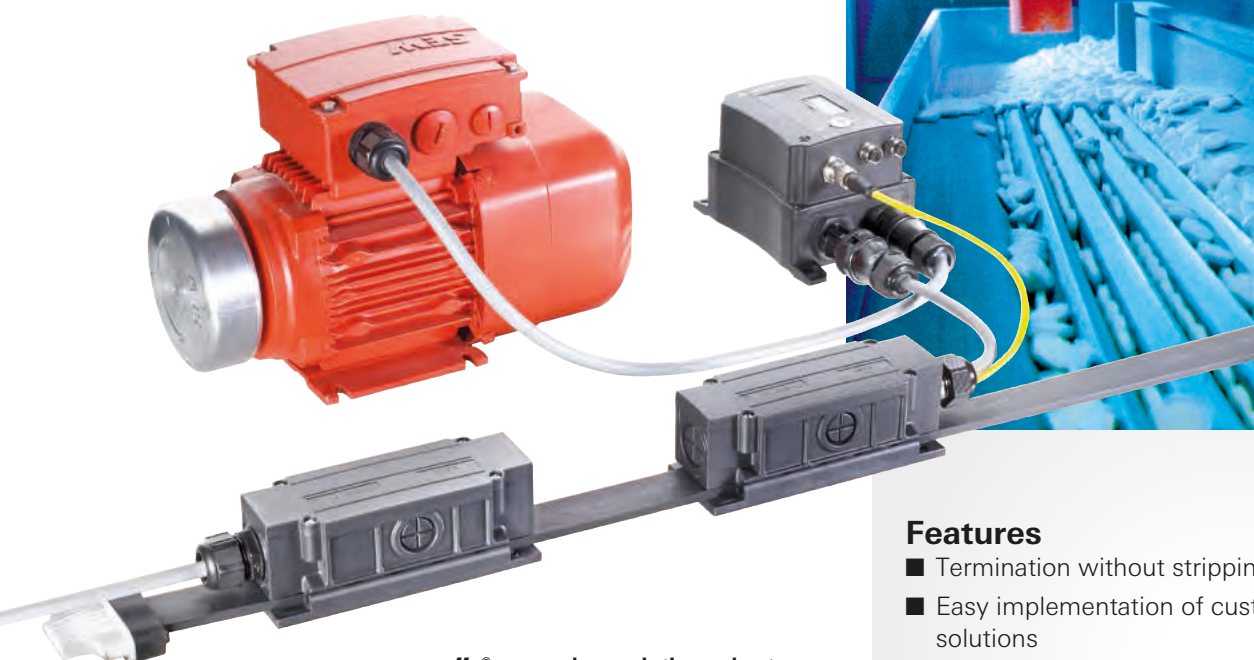
#### Power bus

The **podis®** power bus is the innovative solution for remote power distribution. The system comprises supply and distribution modules, maintenance switches, fixed and pluggable power branches, pre-assembled cable harnesses and functional motors, motor starter, LED-luminaires or service sockets.

The power (main and auxiliary power or AS-i) is distributed through an uncut 7 pole flat cable. The flat cable is tapped near the consumer device in any position required using connection modules with IDC technology. Branching and tapping to motor starters and frequency converters are implemented in a fixed or pluggable design.

#### Advantages of **podis®** – at a glance:

- 5x faster installation
- Fast start-up through error-free connectivity
- Modular system for various functions
  - Smallest remote motor starter in IP65 up to 1.5 kW
  - Robust LED lamps for extreme temperature range

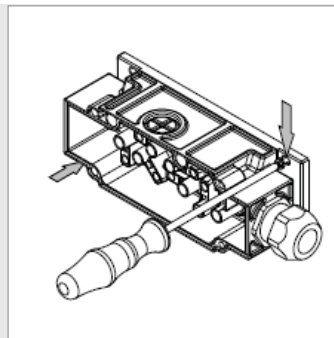


**podis® power bus solutions shorten installation times, reduce production costs and increase flexibility during system expansions or later modifications to the planning.**

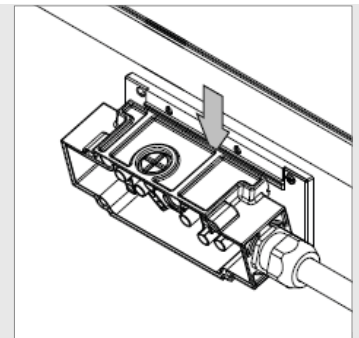
#### Features

- Termination without stripping of the sheath
- Easy implementation of customer-specific solutions
  - Field distributors for SEW MOV/MOT control
  - Remote motor starters for airports and logistics applications
  - LED emergency lamps for wind power plants
- UL approval for international applications

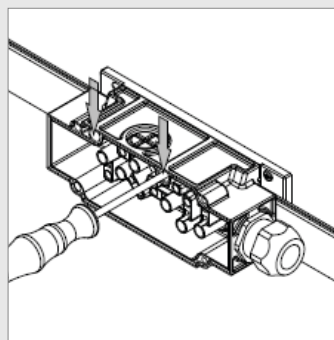




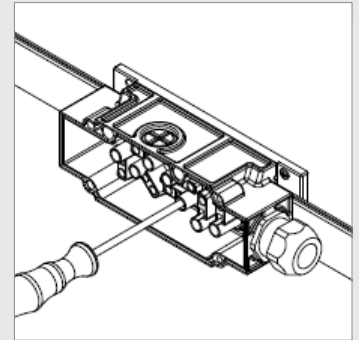
Wall mounting  
Open the housing



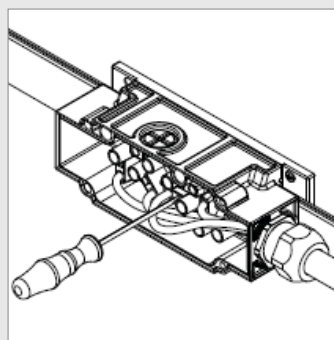
Insert coded flat cable



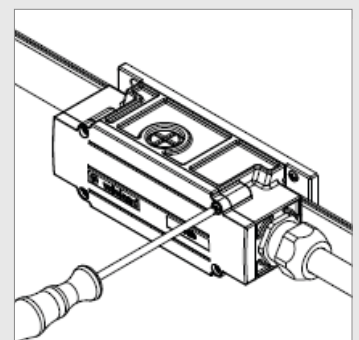
Close the top piece  
Cable is sealed



Screw in penetrating screws



Connect outgoing cable



Close housing cover – finished!



Further information  
can be found in the  
catalog „*podis*“  
order no. 0830.1



## The safe path into the grid The AC Solar connector system

### SOLAR TECHNOLOGY

#### ■ The challenge:

The extraordinary benefits of a pluggable electrical installation have been restricted to the DC side of photovoltaic systems thus far. The connection on the grid side still had to be made in the time-consuming conventional way.

When several inverters are used within an array, the high installation effort becomes apparent.

#### ■ The solution:

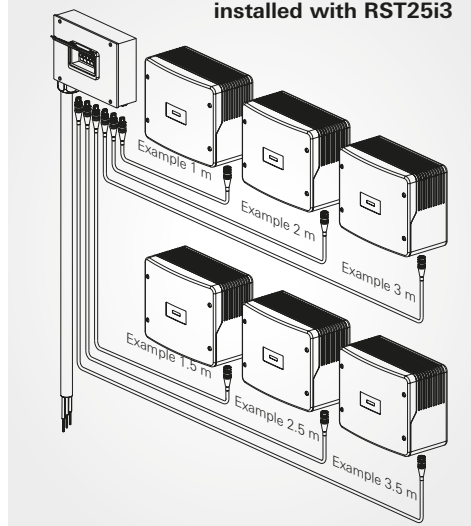
With its new AC Solar round connector system, Wieland provides an optimum solution for the AC area. Pre-assembled components with an increased degree of protection ensure a quick and safe installation even under the most adverse conditions.

The system includes distribution panels which are delivered in a pre-assembled design, and cable assemblies for the connection between the inverters and the distribution panels.

The system is supplemented by connectors for assembly on site.

Leading inverter manufacturers pre-assemble their devices with the relevant connectors, the interface to the system, in their factories.

Example: System segment up to 30 kWp, installed with RST25i3



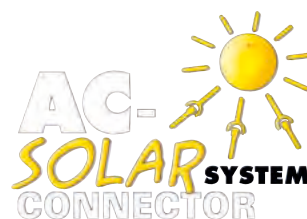
#### Other fields of application

- Emergency power supply through batteries (in buildings or systems)
- Transformation of on-board voltage (cars, trucks, railroad, caravans, boats)
- Metal working
- Power generation (fuel cell, wind power plants, photovoltaic systems)



More and more manufacturers recognize this positive trend and offer their devices with **RST**® connectors.

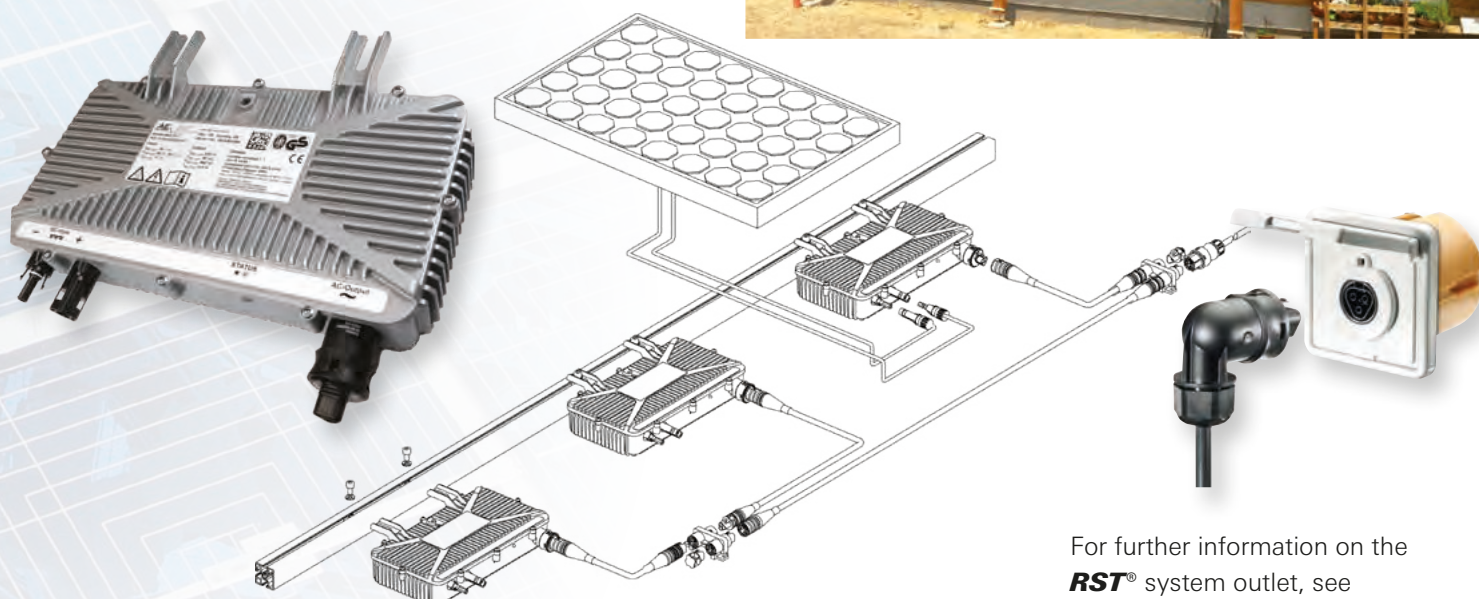




### ■ Solar systems for the home grid

Mobile solar systems for private use are extremely popular. These systems consisting of solar modules and module inverters do not – as usual – feed the solar power into the power supply system as per the Renewable Energies Law (EEG), but provide the energy directly to the users in the own home grid.

The **RST**® installation system is set up in next to no time while fulfilling highest safety requirements. The new **RST**® system outlet serves as a defined interface between the home grid and the solar system.



#### **RST**® MINI:

**RST16i3** Single-phase supply

**RST16i5** Three-phase supply

#### **RST**® CLASSIC:

**RST25i3** Single-phase supply  
(up to 32A)

**RST25i5** Three-phase supply

**RST**® system outlet

#### **RST**® POWER:

**RST50i4** Three-phase supply  
(without N)

**RST50i5** Three-phase supply

For further information on the **RST**® system outlet, see Accessories for **RST20i3** or **RST20i5**.

The **RST**® MINI series is particularly suitable for confined installation spaces and therefore ideal for MICRO inverters.

The **RST**® CLASSIC series has the vastest portfolio and is designed for cross sections of up to 6.0 mm<sup>2</sup>.

The **RST**® POWER series combines the best possible connection capabilities with the highest possible degree of compactness. The 4- and 5-pole IP 66/67/69 connectors and device connections are designed for 250/400V and a maximum current of 50A. The wire range includes cross sections up to 16 mm<sup>2</sup>.

## The flexible electrical installation Construction site supply during structural works

### CONSTRUCTION POWER SYSTEMS

#### ■ The challenge:

Time pressure in the project business is greater than ever: it is therefore even more important that all processes function and are attuned to one another without a problem.

The construction power systems make a major contribution, as they ensure the supply of electrical power during structural work. The requirements for such construction site supply systems are extremely high. On the one hand, they must withstand extreme conditions, and on the other hand, provide as much flexibility as possible.

#### ■ The solution:

Only three base modules are required to implement even complex installations in no time and according to the requirements. The pre-assembled cables are at the core. They are ready for use in all required lengths and can be installed as required. Distribution components furthermore enable the distribution of power to the relevant location. And finally, there are the luminaires. They have been equipped with device connectors and can be integrated into the installation by simply plugging them in.







## The benefits at a glance:

### ■ Low investment requirements

All connection cables have been pre-assembled and tested. With the available range of device connectors almost any standard luminaires can be made pluggable. Therefore, the luminaire manufacturers can easily integrate them into their products.

### ■ Low stock requirements

In contrast to the luminaires with a fixed connection cable, these luminaires can easily be stockpiled due to their pluggability. Transport becomes easier as well. The cables are stored separately. There are only a few different cable types, as the same lengths can be cascaded.

### ■ Easy handling

The luminaires can be assembled easily on the construction site, as the electrical connection is made after the

luminaires have been installed. Due to the compact dimensions of the pluggable components, the cables can be laid out much more flexibly, as small bore holes or knock-outs are no obstacle.

### ■ High operational safety

The power supply system at the construction site cannot be used by third parties (unrelated trades), as the construction machines are normally not equipped with **RST**® connectors. Its high degree of protection prevents any failure, even with short-term flooding of the connections.



#### **RST**® CLASSIC:

**RST20i3** Power 3-pole

**RST20i5** Power 5-pole

#### **RST**® POWER:

**RST50i5** Power 5-pole

## Pluggable solutions for event technology Outdoor installations – no longer an adventure

### EVENT TECHNOLOGY

#### ■ The challenge:

Decorative illuminations during Christmas time or for other major events are extremely popular today. The possibilities for creating pleasant atmospheres or spotlighting objects are almost unlimited. But what happens behind the scenes? Standard outlets, carefully packed in PET bottles, or simply wrapped in a plastic bag – this is often common practice (not just in secrecy).

Apart from the fact that improvised solutions like that are questionable in view of safety technology, they are not aesthetically appealing at all. The fact is that there hasn't been an alternative up to now.

#### ■ The solution:

The solution is a system which is suitable for outdoor use without additional protection measures: **RST®**.

Consistently pluggable, and with high protection degree **RST®** enables the outdoor connection of, for example, luminaires quickly and safely. Special attention was put on the design in order to make it match inconspicuously with the existing installation.



#### **RST®** MINI:

|           |               |
|-----------|---------------|
| RST16i3/2 | 2- and 3-pole |
| RST16i5/4 | 4- and 5-pole |

#### **RST®** CLASSIC: (Sample applications)

|         |                     |
|---------|---------------------|
| RST20i2 | Protection class II |
| RST20i3 | Power with ⚡        |





## Connectors for illumination cables:

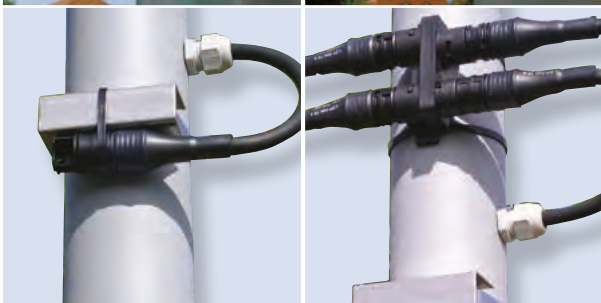
Customary illumination cables can be integrated into the installation through special 2-pole connectors with the corresponding rectangular strain relief. This applies to applications in the professional as well as in the private sector.

The connectors are protected against accidental loosening; they can be unlatched with a tool only. This is a considerable plus in safety for places that are generally accessible. For protected areas (that are only accessible by experts), the connectors can be equipped with a manual disconnect facility for easy disassembly.

## Post outlet:

The post outlet is simply integrated into existing posts and thus ensures the power supply. It even provides minimal dimensions and optimum weather protection. The post outlet consists of a splash-water-protected device connector which is mounted directly on the post, as well as a firmly connected cable in various lengths for internal wiring.

The cable is strain-relieved and the contacts are protected against condensation. The protective cover is removed and the decorative component is plugged in with the corresponding flexible light tube – plug & play!



Event technology (project lighting, festivals, leisure parks, fairground rides, exhibitions, concerts, light advertisements)

Post outlet  
2-pole (L, N) and  
3-pole (L, N,  $\oplus$ )







## **RST® MINI:**

**RST16i3/2** 2- and 3-pole

**RST16i5/4** 4- and 5-pole

## **RST® CLASSIC:** (Sample applications)

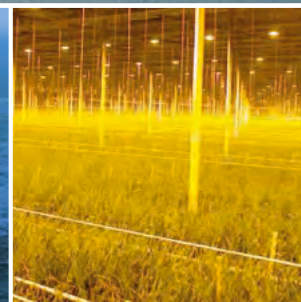
**RST20i2** Protection class II

**RST20i3** Power with ⚡

**RST20i5** Power with ⚡

## **RST® POWER:** (Sample applications)

**RST50i5** Power with ⚡





# For requirements with increased protection degree *RST*® installation systems provide safety

## OBJECT AND SHIP BUILDING

### The benefits at a glance:

#### ■ Installation up to date:

The *RST*® installation system and its sophisticated concept mirror the state of the art in modern technology.

#### ■ Reduced construction times (initial installation):

An installation with *RST*® reduces the costs not only for initial installations. Even short-term reorganization can be carried out without a problem. This is enhanced by the guarantee of continuous installation quality.

#### ■ Continuous operational cost savings:

Maintenance costs and repair during operation are possible even under more difficult work conditions (architecture).

#### ■ Safe power distribution:

The new compact and multi-distribution units are the heart of pluggable electrical installation and can also be customized.

#### ■ The challenge:

Whether in underground garages, greenhouses or in shipbuilding: electrical installations with increased requirements regarding the degree of protection can be found everywhere. Especially in these fields, it is extremely important that the electrical installation is carried out by an expert. But how does it work in practice? Difficult installation conditions and extreme time pressure often lead to errors, loss of protection and finally to the failure of the system.

#### ■ The solution:

The idea is as easy as it is brilliant. An extensive network of components pre-assembled in the plant and most carefully tested enables a consistently pluggable solution from the distributor to the point of use. This saves time and reduces the costs!







# plug & play in outdoor applications

## Electrical installations using the "modular system"

### OUTDOOR LIGHTING

#### ■ The challenge:

Expert workmanship plays a major role particularly for electrical installations outdoors. Difficult installation conditions and high time pressure often cause errors, loss of the protection degree and finally failure of the system.

Unfortunately customers often send their complaints about such cases to the luminaire manufacturer and are left with a bad impression.

#### ■ The solution:

As a complete installation system, **RST®** is optimally adapted to these increased requirements. It is very flexible in its application and has proven technology at its disposal. Luminaires can thus be delivered in a pre-assembled design. They only have to be plugged in on site. The connectors are also touch-safe when they have not yet been plugged in; they provide a locking device against accidental loosening.

The possibility of connecting almost all customary cable types (also underground cables), as well as the IP68 protection degree make the **RST®** connector a strong partner for outdoor lighting.

It is not possible to lay the components directly in the ground. In order to satisfy VDE 0100-520 the connections must be protected mechanically in addition and must be accessible for inspection, testing and maintenance.

#### Connectors:

For the various luminaire types, power connectors for 250V and low-voltage connectors for LED technology are available. These are mechanically coded and can therefore not be mismatched. This provides additional safety.



#### RST® MINI:

**RST16i3/2** 2- and 3-pole

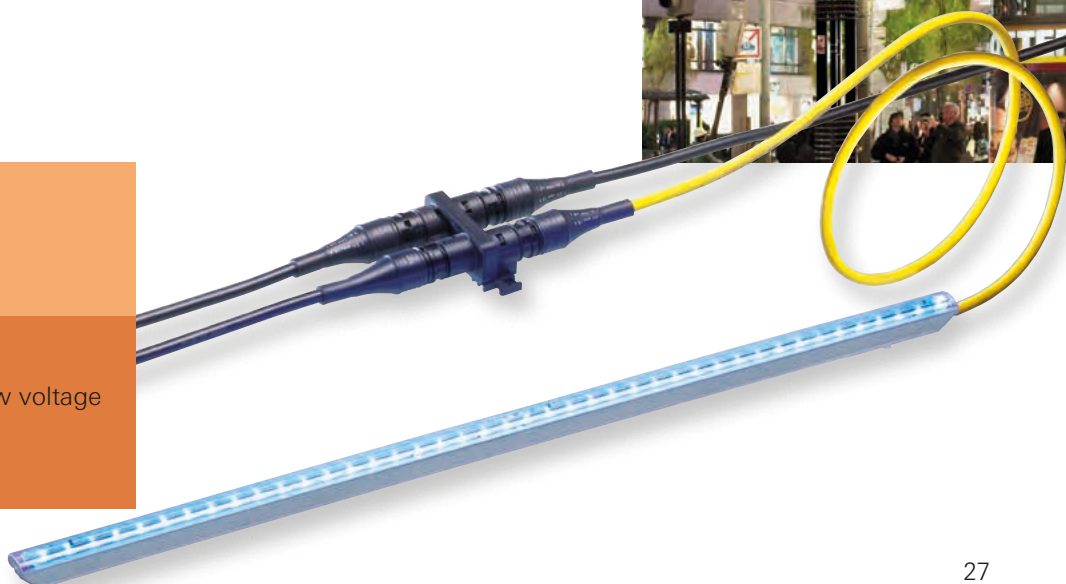
**RST16i5/4** 4- and 5-pole

#### RST® CLASSIC: (Sample applications)

**RST20i2** Protection class II, low voltage

**RST20i3** Power 3-pole

**RST20i5** Power 5-pole



## Export-oriented solutions for all nations International operations with **RST®** connectors

### POWER CONNECTION FOR ELECTRICAL DEVICES



#### ■ The challenge:

Particularly the export-oriented countries must offer their products in country-specific variations. The products frequently differ only by their power connectors. Stockage of country-specific product variations has, not least, an adverse impact on delivery times and warehouse costs.

#### ■ The solution:

Power connections are made pluggable: one end is pre-assembled with the appropriate national power connector, while the other end always has the same **RST®** connector. Consequentially, the relevant end devices are equipped with **RST®** device connectors, independently of the country. Thus country-specific power connections are available to you. The connection set required for the target country is simply included in the delivery. This simplifies stockkeeping for particularly export-oriented products.

#### ■ **RST®** power connectors:

The cables are pre-assembled with the desired power connector\*) on the grid side. The **RST®** connector is molded to the device side. It is not only extremely compact, but is also protected against bending. The connection between the device and the pre-assembled cable is protected against accidental loosening through an integrated safe locking device. A manual disconnect facility is optionally available.



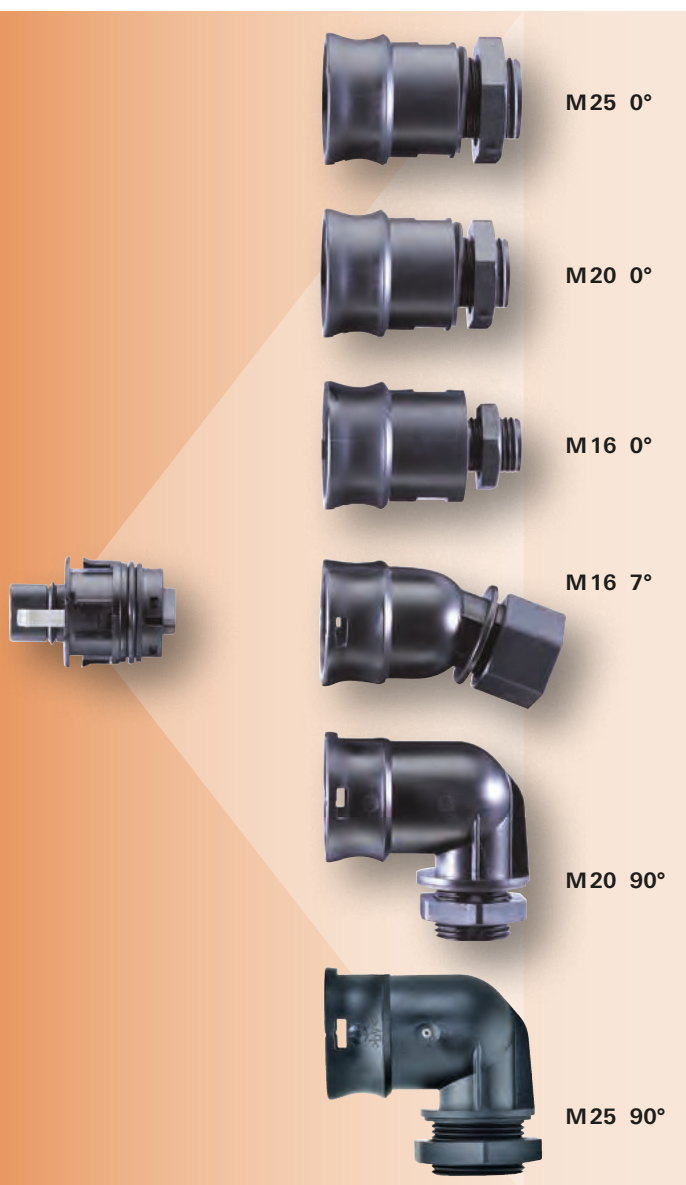


## DEVICE CONNECTORS

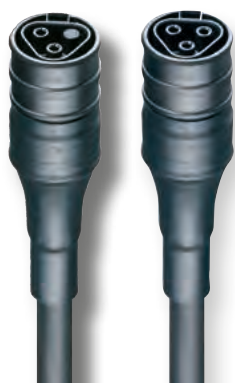
Device connectors are integrated into the relevant housing knock-outs and function as an outward interface.

There are basically two variations: the single-piece **M25 standard device connectors (one-piece)** are simply installed inside the housing.

The **modular device connectors (two-piece)** are available in M16, M20 and M25 variations as well as in 0°, 7° and 90° angles.

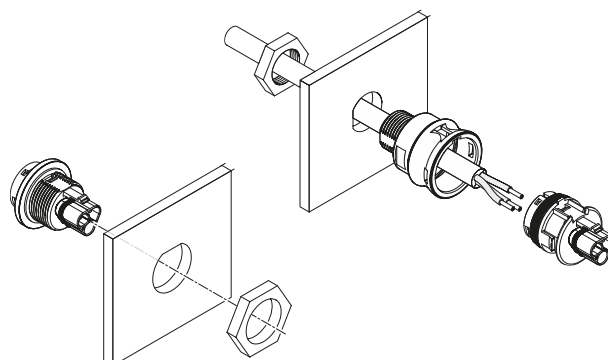
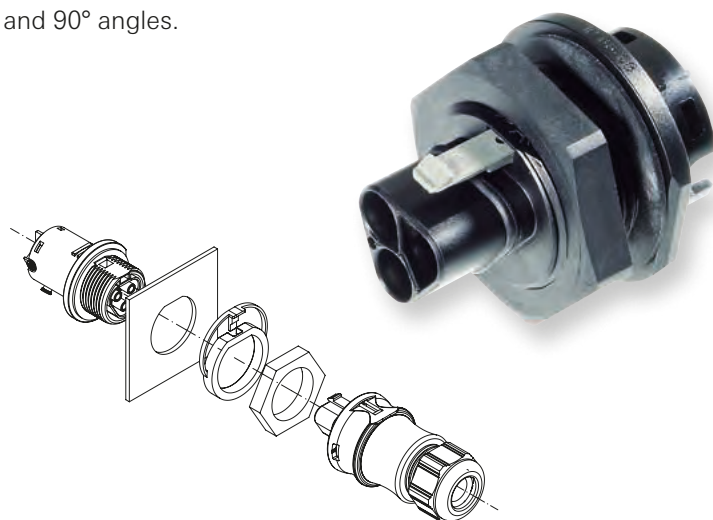


On request, we can also realize intermediate angles ranging between 0° and 90° in order to provide a solution for specific housing geometries.



**RST® CLASSIC:** (Sample applications)  
**RST20i2** Protection class II  
**RST20i3** Power with ⚡

For a plug connector that is not enclosed, protection against electric shocks is provided by the housing of the equipment in which the connector is installed, in accordance with the applicable product safety standard.





## Consistently pluggable solutions for outdoor installations

- Wireless distribution units
- Current and voltage sources
- Series and parallel distribution
- Distribution units with integrated fine fuses
- Distribution units with integrated grounding outlet



# plug & play in outdoor applications

## Solutions for most demanding requirements



### **RST® MINI:**

**RST16i3/2** 2- and 3-pole

**RST16i5/4** 4- and 5-pole

### **RST® CLASSIC:** (Sample applications)

**RST20i2** Low voltage, parallel and series distribution units

**RST20i3** Power 3-pole

**Compact and multi-distribution units**

### **RST® POWER:** (Sample applications)

**RST50i4/5** Power with  $\oplus$

## Pluggable 3 D distribution units More than just distribution!

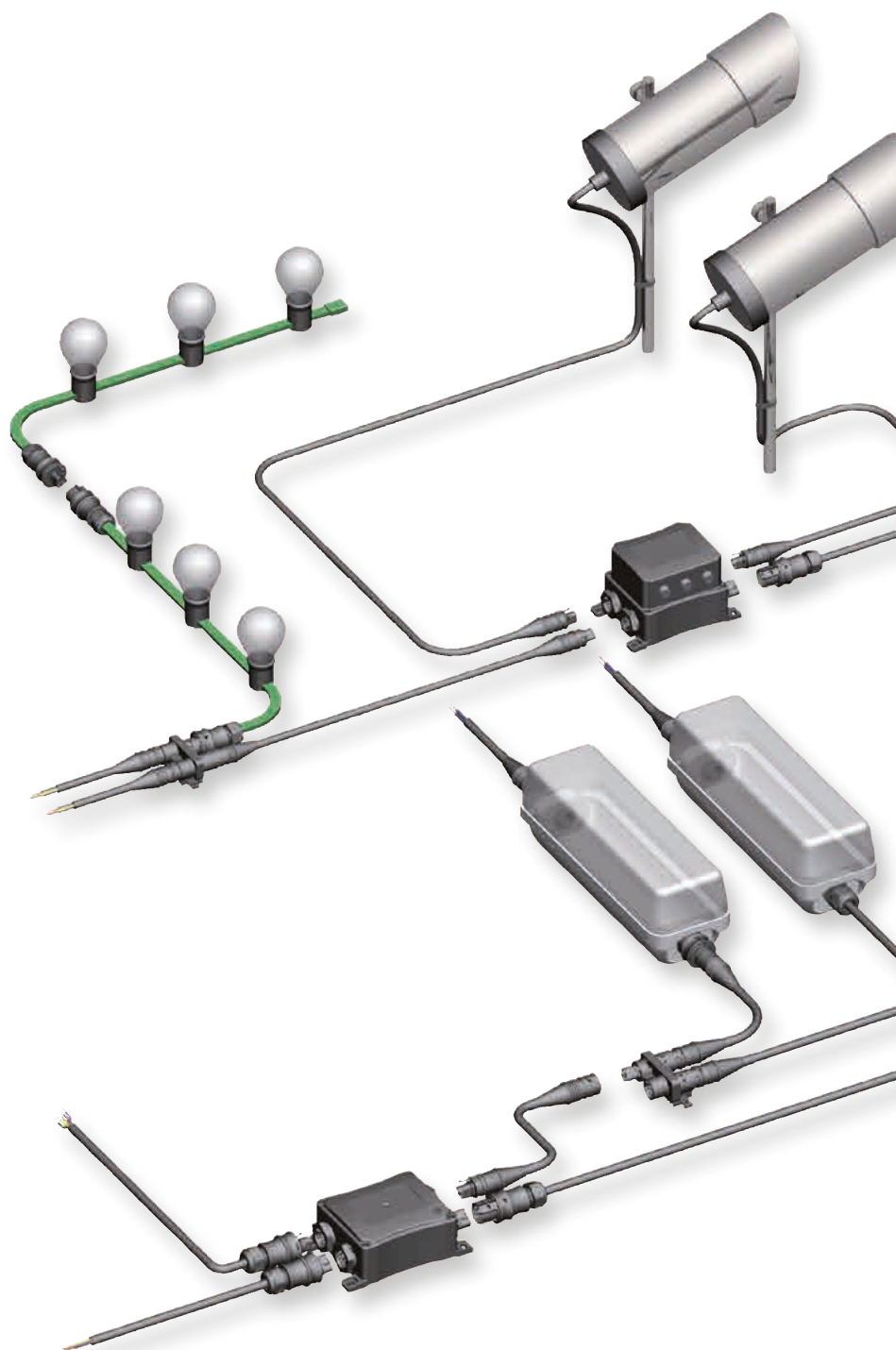
### The **RST**® compact distribution unit – more than just distribution!

Installations differ from one another. This makes it even more important that the product range is oriented towards the application requirements. A clear separation of different circuits using mechanically coded connectors is as important as pre-assembled cables in various defined lengths.

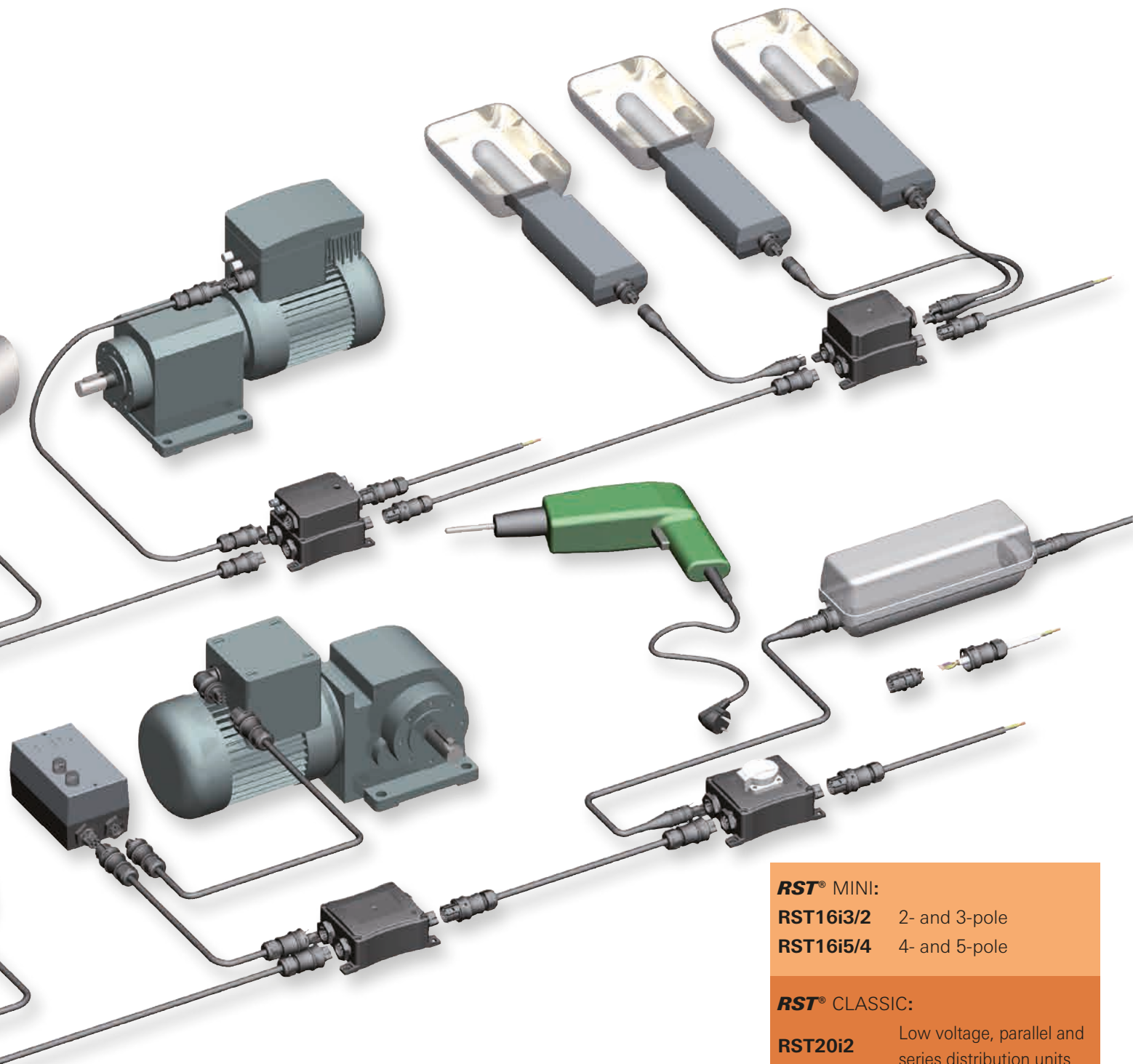
However, the pluggable distribution units play a major role in power distribution. In their simplest function, they merely have to provide branches in the required locations.

Practice shows, however, that the requirements may be much more complex.

Examples can be found in AC and DC wiring through distribution units with fine fuses up to boxes with integrated safety outlets or switches.







## **RST® MINI:**

**RST16i3/2** 2- and 3-pole

**RST16i5/4** 4- and 5-pole

## **RST® CLASSIC:**

**RST20i2** Low voltage, parallel and series distribution units

**RST20i3** Power 3-pole

**Compact and multi-distribution units**

## **RST® POWER:** (Sample applications)

**RST50i4/5** Power with  $\oplus$

## ① Connectors

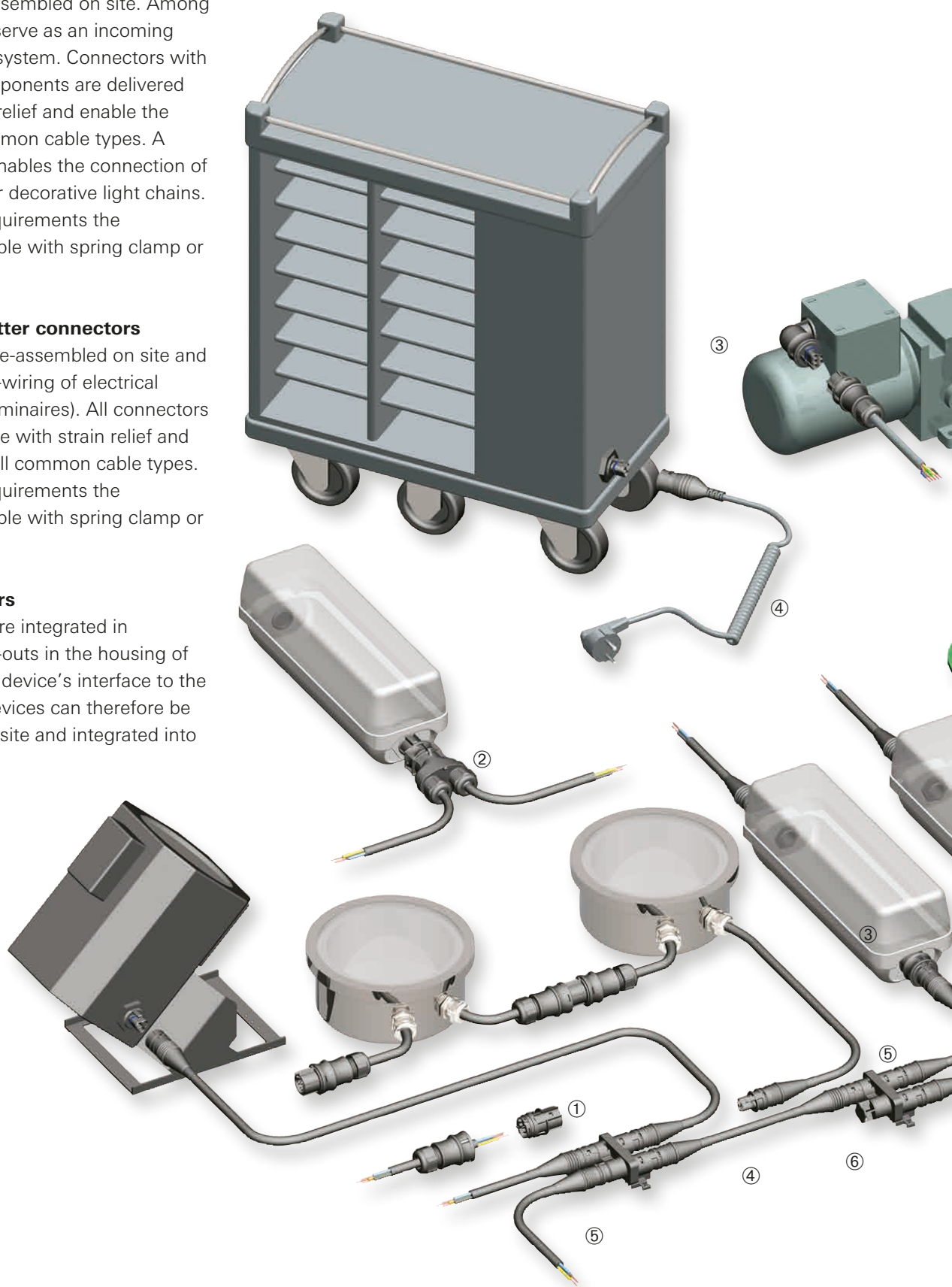
Connectors can be assembled on site. Among other functions they serve as an incoming supply for the **RST**® system. Connectors with male and female components are delivered complete with strain relief and enable the connection of all common cable types. A special version also enables the connection of illumination cables for decorative light chains. Depending on the requirements the connectors are available with spring clamp or screw technology.

## ② Connectors, Splitter connectors

Connectors can be pre-assembled on site and serve for the through-wiring of electrical consumer devices (luminaires). All connectors are delivered complete with strain relief and are compatible with all common cable types. Depending on the requirements the connectors are available with spring clamp or screw technology.

## ③ Device connectors

Device connections are integrated in corresponding knock-outs in the housing of devices. They are the device's interface to the **RST**® system. The devices can therefore be plugged in simply on site and integrated into the installation.





# System description

## Overview of the electrical installation *RST*®

Basically two variations are available: the M25 standard device connector as well as a modular version with M16 or M20 connection threads. An angled design completes the system.

### ④ Cable assemblies

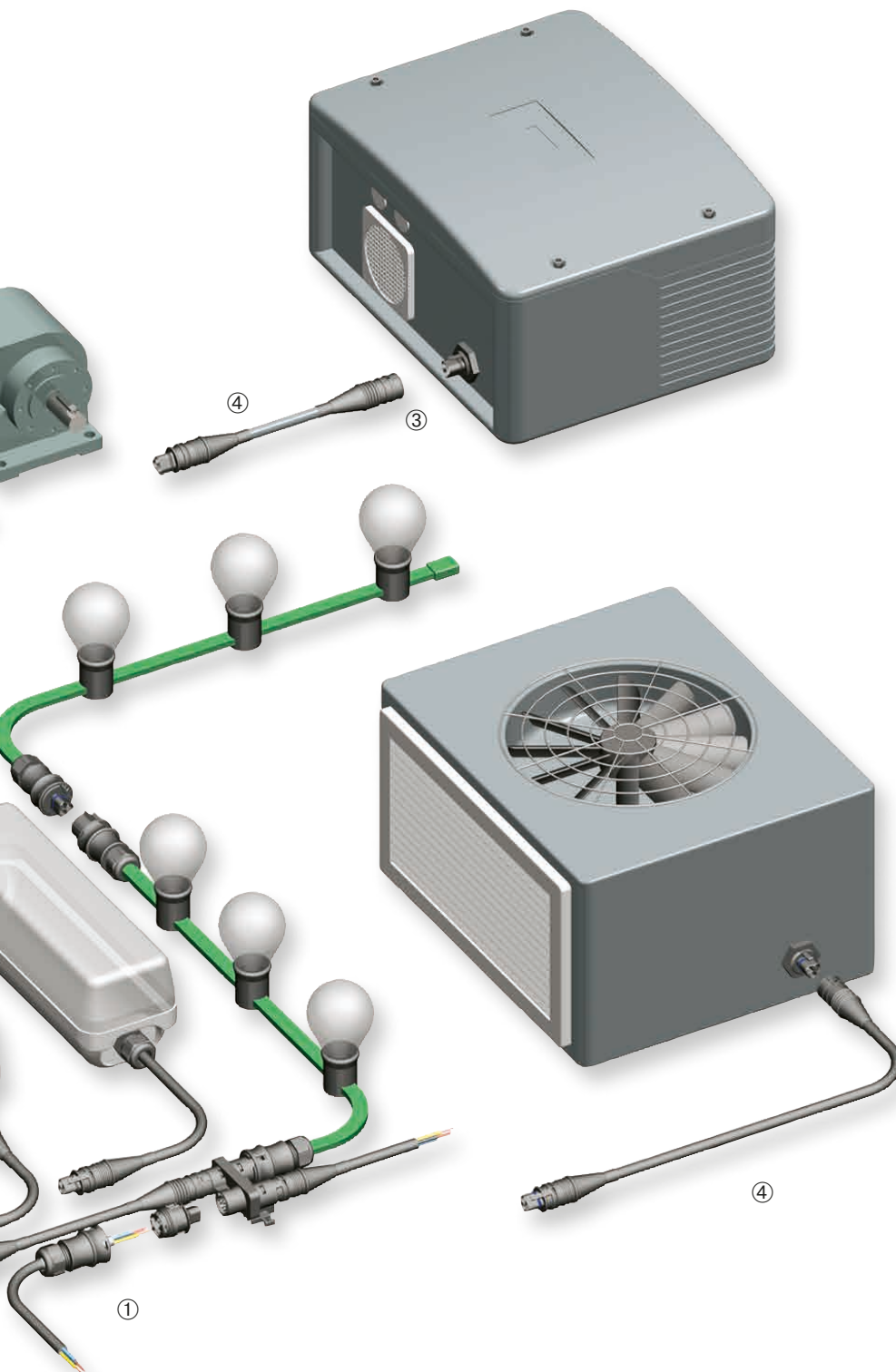
Electrical power is supplied by using cable assemblies. Three basic versions are distinguished: power connection cables provide the incoming supply of the *RST*® system. They have been prepared for a traditional connection or with a standard plug on the supply side and are pre-assembled with the required female connector on the outgoing side. Extension cables are pre-assembled with a female or male connector on the relevant cable ends, and serve as feed-through wiring. The connection cable is pre-assembled with a male connector and a free end for wiring to the consumer device.

### ⑤ Distribution blocks

The pre-assembled plug-in distribution blocks are incorporated in the installation and thus enable a tap-off to the consumer devices. The distribution block is available with or without mounting flanges.

### ⑥ End caps

They are used to safely cover unused contacts. The IP protection is therefore maintained when the device is unplugged.



## Overview of the **RST®** product family

### Pluggable in many dimensions

Since being launched, the **RST®** installation system has consistently met market demands and now presents itself as a complete electrical installation system. Four series are available to meet different requirements:

**NEW**

**RST® MICRO**

**The miniature connector for  
LED lamps, signals and networks**  
2- to 3-pole design,  
250V/400V, 8A



**RST® MINI**

**The small connectors for  
extremely confined spaces**  
2- to 5-pole design,  
250V/400V, 16A



**RST® CLASSIC**

**All-rounders with the most  
comprehensive portfolio**  
2- to 7-pole design,  
250/400V, 20 – 32A

**New  
7-pole**



**RST® POWER**

**High-current connectors for large  
cross-sections**  
4- to 5-pole design,  
250/400V, 50A



Also on our  
You Tube channel



**RST® MICRO**



**RST® MINI**



**RST® CLASSIC**



**RST® POWER**

All installation connectors have one thing in common:  
They are innately fitter-friendly and adhere strictly to the  
system philosophy. Complex installations can be built flexibly,  
and consumers can simply be plugged into the installation.  
Mechanical codings within the product lines ensure a clear  
distinction between different circuits. This practically rules out  
incorrect connections.



## RST® MICRO

### The miniature connector for LED lamps and signals

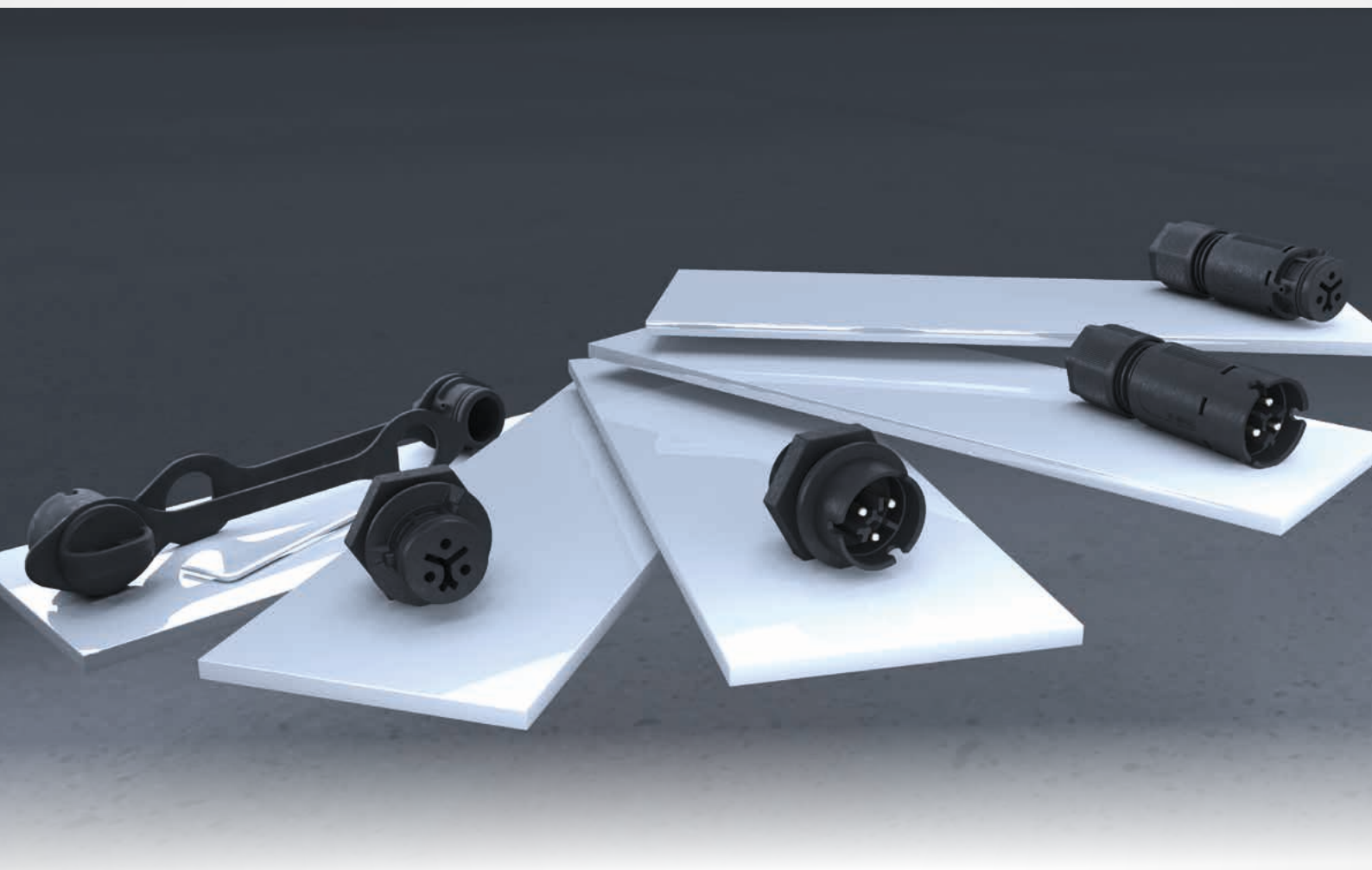
The **RST®** MICRO is optimized for the interfaces between voltage or current sources and LED modules, and is also the ideal solution for dimming or DMX applications. Thanks to its rated values, network applications are no problem either. The **RST®** MICRO installation system comprises connectors, M14 device connectors, pre-assembled conductors and splitters.

|                                  |  |
|----------------------------------|--|
| <b>Rated voltage:</b>            | 250/400 V  |
| <b>Rated current:</b>            | 8 A  |
| <b>Dimensions:</b>               | Diameter: 14.9 mm; Length: approx. 40 mm   |
| <b>Number of poles:</b>          | 2 and 3  |
| <b>Connection cross section:</b> | Single-stranded 0.2 mm <sup>2</sup> - 1.0 mm <sup>2</sup><br>fine-stranded 0.22 mm <sup>2</sup> - 0.75 mm <sup>2</sup> |
| <b>Protection rating:</b>        | IP66/68 (3m; 2h)/69, barrier seal optional   |
| <b>Coding:</b>                   | Mechanical and color for low voltages and networks   |
| <b>Approvals pending:</b>        | VDE, cULus, LR, GL/DNV, BV, RINA   |



**Integrated device protection:**  
Water stop with barrier seal contacts

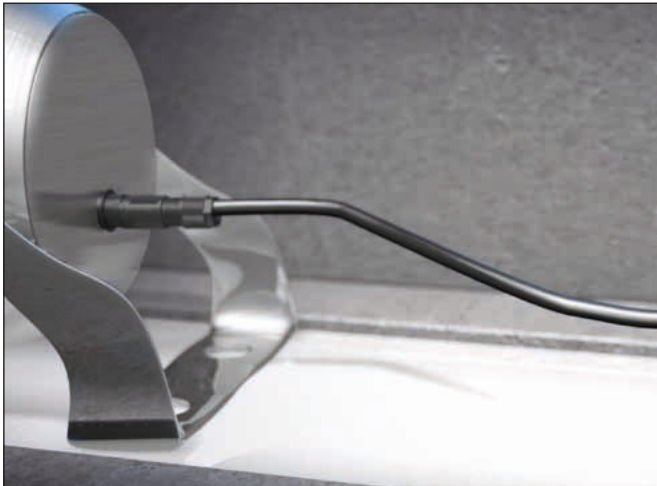
Experience shows Water gets inside the wiring system time and time again. The culprits are incorrectly executed installations, damage to wiring or temperature differences. Before long, the installation is penetrated from the inside by moisture damage. Installed barriers, which stop the water in its tracks, help here. The new **RST08i3** is optionally available with this function, each individual contact being sealed on the inside.





The RST08i2/3 product line – lighting installation, DALI, DMX, applications in the low voltage range (LED technology), loudspeaker applications and network connections

### Application example



### General

The 2 to 3-pole connector with a diameter of less than 15 mm is currently the smallest in the range and is optimized for the interface between voltage or current sources and LED modules. It is also perfectly suited for dimming or DMX applications. Thanks to its rated values, network applications are no problem either.

The connectors are optionally available in the barrier seal version (water stop).

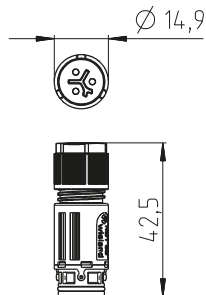
All connectors are mechanically coded. This means only the male/female pairs that belong together can be inserted, with the correct polarity.

### Coding

|                       | Rated insulation voltage of the system        | 250/400V   |            |            |             |
|-----------------------|---|------------|------------|------------|-------------|
|                       | Rated voltage (application)                   | 250V       | 250V/400V  | ~50/-120V  | ~50/-120V   |
|                       | Mechanical coding (pole assignment of female) |            |            |            |             |
| Name                  | Description                                   | black      | light blue | slate gray | pebble gray |
| Connector             |   | ✓          | ✓          | ✓          | ✓           |
| M14 device connectors |   | ✓          | ✓          | ✓          | ✓           |
| Distributors          | Individual distribution box                   | on request | on request | on request | on request  |
| Cable assemblies      | Device connection cable<br>Male – free end    | ✓          | ✓          | ✓          | ✓           |
|                       | Connection cable<br>Female – free end         | ✓          | ✓          | ✓          | ✓           |
|                       | Extension cable<br>Female – male              | ✓          | ✓          | ✓          | ✓           |

## Connectors, straight for cables Ø 4 – 7 mm

### Female connector



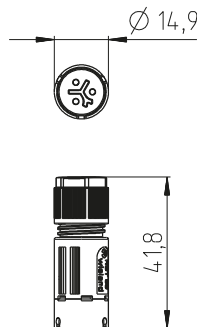
Unmounted with screwed cable gland.  
Suitable pin wrench for the cable connection, Accessories.  
For stripping lengths, refer to Technical Specifications.  
Cable assemblies on request

### Rated values

|                     |  |
|---------------------|--|
| Rated voltage       | 250/400V   |
| Rated current       | 8 A  |
| Rated cross-section | Single-stranded 0.2 mm <sup>2</sup> - 1.0 mm <sup>2</sup><br>Fine-stranded 0.22 mm <sup>2</sup> - 0.75 mm <sup>2</sup> |
| Approvals           | Pending: VDE, cULus, LR, DNV/GL, RINA, BV  |

| Application | Coding | Pole marking | Color       | Part No.              | Part No.                        |
|-------------|--------|--------------|-------------|-----------------------|---------------------------------|
|             |        |              |             | With screw connection |                                 |
|             |        |              |             | Without contact seal  | With contact seal <sup>2)</sup> |
| 250/400V    |        | 1, 2/N, PE   | black       | 41.031.3053.1         | 4L.031.3053.1                   |
|             |        | 1, 2/N¹)     | black       | 41.021.3043.1         | 4L.021.3043.1                   |
|             |        | 1, 2/N, 3    | light blue  | 41.031.3043.9         | 4L.031.3043.9                   |
|             |        | 1, 2/N¹)     | light blue  | 41.021.3043.9         | 4L.021.3043.9                   |
| ~50/-120V   |        | 1, 2, 3      | slate gray  | 41.031.3041.4         | 4L.031.3041.4                   |
|             |        | 1, 2¹)       | slate gray  | 41.021.3041.4         | 4L.021.3041.4                   |
|             |        | 1, 2, PE     | pebble gray | 41.031.3041.8         | 4L.031.3041.8                   |
|             |        | 1, 2¹)       | pebble gray | 41.021.3041.8         | 4L.021.3041.8                   |

### Male connector



Unmounted with screwed cable gland.  
Suitable pin wrench for the cable connection, Accessories.  
For stripping lengths, refer to Technical Specifications.  
Cable assemblies on request

### Rated values

|                     |  |
|---------------------|--|
| Rated voltage       | 250/400V   |
| Rated current       | 8 A  |
| Rated cross-section | Single-stranded 0.2 mm <sup>2</sup> - 1.0 mm <sup>2</sup><br>Fine-stranded 0.22 mm <sup>2</sup> - 0.75 mm <sup>2</sup> |
| Approvals           | Pending: VDE, cULus, LR, DNV/GL, RINA, BV  |

| Application | Coding | Pole marking | Color       | Part No.              | Part No.                        |
|-------------|--------|--------------|-------------|-----------------------|---------------------------------|
|             |        |              |             | With screw connection |                                 |
|             |        |              |             | Without contact seal  | With contact seal <sup>2)</sup> |
| 250/400V    |        | 1, 2/N, PE   | black       | 41.032.3053.1         | 4L.032.3053.1                   |
|             |        | 1, 2/N¹)     | black       | 41.022.3043.1         | 4L.022.3043.1                   |
|             |        | 1, 2/N, 3    | light blue  | 41.032.3043.9         | 4L.032.3043.9                   |
|             |        | 1, 2/N¹)     | light blue  | 41.022.3043.9         | 4L.022.3043.9                   |
| ~50/-120V   |        | 1, 2, 3      | slate gray  | 41.032.3041.4         | 4L.032.3041.4                   |
|             |        | 1, 2¹)       | slate gray  | 41.022.3041.4         | 4L.022.3041.4                   |
|             |        | 1, 2, PE     | pebble gray | 41.032.3041.8         | 4L.032.3041.8                   |
|             |        | 1, 2¹)       | pebble gray | 41.022.3041.8         | 4L.022.3041.8                   |

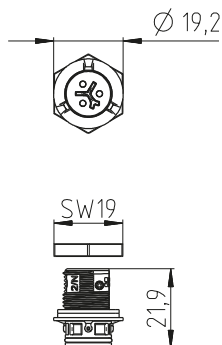
<sup>1)</sup> One pole unassigned

<sup>2)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector



# Device connector M14

## Female connector



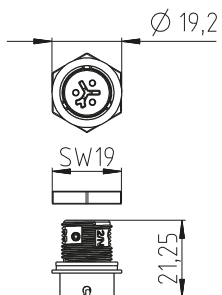
Suitable pin wrench for the cable connection, Accessories.  
For stripping lengths, refer to Technical Specifications.

## Rated values

|                     |  |
|---------------------|--|
| Rated voltage       | 250/400V   |
| Rated current       | 8 A  |
| Rated cross-section | Single-stranded 0.2 mm <sup>2</sup> - 1.0 mm <sup>2</sup><br>Fine-stranded 0.22 mm <sup>2</sup> - 0.75 mm <sup>2</sup> |
| Approvals           | Pending: VDE, cULus, LR, DNV/GL, RINA, BV  |

| Application                  | Coding | Pole marking | Color       | Part No.             | Part No.                        |
|------------------------------|--------|--------------|-------------|----------------------|---------------------------------|
| <b>With screw connection</b> |        |              |             |                      |                                 |
|                              |        |              |             | Without contact seal | With contact seal <sup>2)</sup> |
| 250/400V                     |        | 1, 2/N, PE   | black       | 41.031.4053.1        | 4L.031.4053.1                   |
|                              |        | 1, 2/N¹      | black       | 41.021.4043.1        | 4L.021.4043.1                   |
|                              |        | 1, 2/N, 3    | light blue  | 41.031.4043.9        | 4L.031.4043.9                   |
|                              |        | 1, 2/N¹      | light blue  | 41.021.4043.9        | 4L.021.4043.9                   |
| ~50/-120V                    |        | 1, 2, 3      | slate gray  | 41.031.4041.4        | 4L.031.4041.4                   |
|                              |        | 1, 2¹        | slate gray  | 41.021.4041.4        | 4L.021.4041.4                   |
|                              |        | 1, 2, PE     | pebble gray | 41.031.4041.8        | 4L.031.4041.8                   |
|                              |        | 1, 2¹        | pebble gray | 41.021.4041.8        | 4L.021.4041.8                   |

## Male connector



Suitable pin wrench for the cable connection, Accessories.  
For stripping lengths, refer to Technical Specifications.

## Rated values

|                     |  |
|---------------------|--|
| Rated voltage       | 250/400V   |
| Rated current       | 8 A  |
| Rated cross-section | Single-stranded 0.2 mm <sup>2</sup> - 1.0 mm <sup>2</sup><br>Fine-stranded 0.22 mm <sup>2</sup> - 0.75 mm <sup>2</sup> |
| Approvals           | Pending: VDE, cULus, LR, DNV/GL, RINA, BV  |

| Application                  | Coding | Pole marking | Color       | Part No.             | Part No.                        |
|------------------------------|--------|--------------|-------------|----------------------|---------------------------------|
| <b>With screw connection</b> |        |              |             |                      |                                 |
|                              |        |              |             | Without contact seal | With contact seal <sup>2)</sup> |
| 250/400V                     |        | 1, 2/N, PE   | black       | 41.032.4053.1        | 4L.032.4053.1                   |
|                              |        | 1, 2/N¹      | black       | 41.022.4043.1        | 4L.022.4043.1                   |
|                              |        | 1, 2/N, 3    | light blue  | 41.032.4043.9        | 4L.032.4043.9                   |
|                              |        | 1, 2/N¹      | light blue  | 41.022.4043.9        | 4L.022.4043.9                   |
| ~50/-120V                    |        | 1, 2, 3      | slate gray  | 41.032.4041.4        | 4L.032.4041.4                   |
|                              |        | 1, 2¹        | slate gray  | 41.022.4041.4        | 4L.022.4041.4                   |
|                              |        | 1, 2, PE     | pebble gray | 41.032.4041.8        | 4L.032.4041.8                   |
|                              |        | 1, 2¹        | pebble gray | 41.022.4041.8        | 4L.022.4041.8                   |

<sup>1)</sup> One pole unassigned

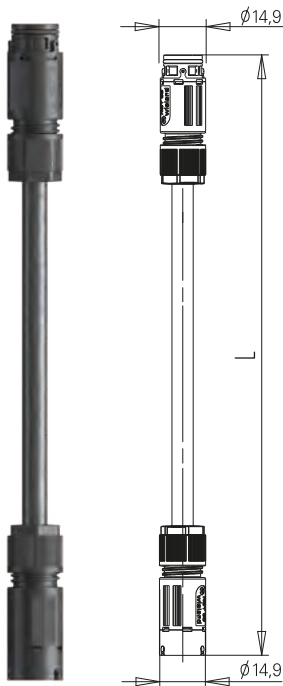
<sup>2)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector





## Cable assemblies



### 0.75 mm<sup>2</sup>; 6 A

| Rated values            |                  |                  | Connection type of cable |  | cable gland |
|-------------------------|------------------|------------------|--------------------------|--|-------------|
| Wire ends               | (open cable end) | ultrason. welded | Interlock                |  | integrated  |
| Sheath strip length     | (open cable end) | 35 mm            | Color cable              |  | black       |
| Insulation strip length | (open cable end) | 9 mm             | Color handle shell       |  | black       |

#### Connection cables female – male



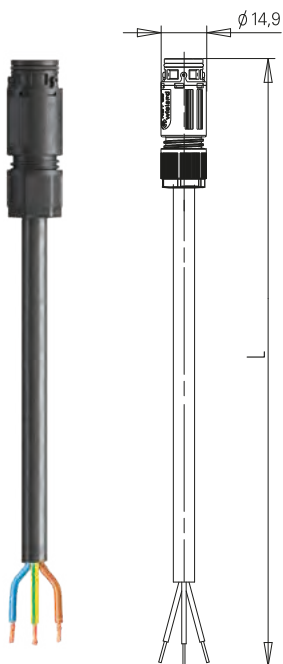
|  |          | 250V/400V<br>black<br>2-pole  |               | ~50/-120V<br>pebble gray<br>2-pole  |               | 250V/400V<br>light blue<br>2-pole   |          | ~50/-120V<br>slate gray<br>2-pole   |          |
|--|----------|---|---------------|---|---------------|---|----------|---|----------|
|  |          |  |               |  |               |  |          |  |          |
|  |          | 1 = BN<br>2/N = BU  |               | 1 = BU<br>2 = BN  |               | 1 = BN<br>2/N = BU  |          | 1 = BU<br>2 = BN  |          |
| Cable  | Length m | Part No.  | Part No.      | Part No.  | Part No.      | Part No.  | Part No. | Part No.  | Part No. |
| Rubber-sheathed cable<br>H05RN-F<br>containing halogen | 0.5      | 41.427.0530.1   | 41.427.0532.8 | 41.427.0530.9   | 41.427.0532.4 |   |          |   |          |
|  | 1        | 41.427.1030.1   | 41.427.1032.8 | 41.427.1030.9   | 41.427.1032.4 |   |          |   |          |
|  | 1.5      | 41.427.1530.1   | 41.427.1532.8 | 41.427.1530.9   | 41.427.1532.4 |   |          |   |          |
|  | 2        | 41.427.2030.1   | 41.427.2032.8 | 41.427.2030.9   | 41.427.2032.4 |   |          |   |          |
|  | 2.5      | 41.427.2530.1   | 41.427.2532.8 | 41.427.2530.9   | 41.427.2532.4 |   |          |   |          |
|  | 3        | 41.427.3030.1   | 41.427.3032.8 | 41.427.3030.9   | 41.427.3032.4 |   |          |   |          |
|  | 4        | 41.427.4030.1   | 41.427.4032.8 | 41.427.4030.9   | 41.427.4032.4 |   |          |   |          |





|  |          | 250V/400V<br>black<br>3-pole  |               | ~50/-120V<br>pebble gray<br>3-pole  |          |
|--|----------|---|---------------|---|----------|
|  |          |  |               |  |          |
|  |          | 1 = BN<br>2/N = BU<br>PE = GN/YE  |               | 1 = BU<br>2 = BN<br>PE = GN/YE  |          |
| Cable  | Length m | Part No.  | Part No.      | Part No.  | Part No. |
| Rubber-sheathed cable<br>H05RN-F<br>containing halogen | 0.5      | 41.437.0530.1   | 41.437.0532.8 |   |          |
|  | 1        | 41.437.1030.1   | 41.437.1032.8 |   |          |
|  | 1.5      | 41.437.1530.1   | 41.437.1532.8 |   |          |
|  | 2        | 41.437.2030.1   | 41.437.2032.8 |   |          |
|  | 2.5      | 41.437.2530.1   | 41.437.2532.8 |   |          |
|  | 3        | 41.437.3030.1   | 41.437.3032.8 |   |          |
|  | 4        | 41.437.4030.1   | 41.437.4032.8 |   |          |



2-pole connectors – one pole is not configured.

With contact seal: please choose 4L.XXX.XXXX.X instead of 41.XXX.XXXX.X.

#### Connection cables female – free end



|  |          | 250V/400V<br>black<br>2-pole  |               | ~50/-120V<br>pebble gray<br>2-pole  |               | 250V/400V<br>light blue<br>2-pole   |          | ~50/-120V<br>slate gray<br>2-pole   |          |
|--|----------|---|---------------|---|---------------|---|----------|---|----------|
|  |          |  |               |  |               |  |          |  |          |
|  |          | 1 = BN<br>2/N = BU  |               | 1 = BU<br>2 = BN  |               | 1 = BN<br>2/N = BU  |          | 1 = BU<br>2 = BN  |          |
| Cable  | Length m | Part No.  | Part No.      | Part No.  | Part No.      | Part No.  | Part No. | Part No.  | Part No. |
| Rubber-sheathed cable<br>H05RN-F<br>containing halogen | 0.5      | 41.427.0533.1   | 41.427.0537.8 | 41.427.0533.9   | 41.427.0537.4 |   |          |   |          |
|  | 1        | 41.427.1033.1   | 41.427.1037.8 | 41.427.1033.9   | 41.427.1037.4 |   |          |   |          |
|  | 1.5      | 41.427.1533.1   | 41.427.1537.8 | 41.427.1533.9   | 41.427.1537.4 |   |          |   |          |
|  | 2        | 41.427.2033.1   | 41.427.2037.8 | 41.427.2033.9   | 41.427.2037.4 |   |          |   |          |
|  | 2.5      | 41.427.2533.1   | 41.427.2537.8 | 41.427.2533.9   | 41.427.2537.4 |   |          |   |          |
|  | 3        | 41.427.3033.1   | 41.427.3037.8 | 41.427.3033.9   | 41.427.3037.4 |   |          |   |          |
|  | 4        | 41.427.4033.1   | 41.427.4037.8 | 41.427.4033.9   | 41.427.4037.4 |   |          |   |          |

|  |          | 250V/400V<br>black<br>3-pole  |               | ~50/-120V<br>pebble gray<br>3-pole  |          |
|--|----------|---|---------------|---|----------|
|  |          |  |               |  |          |
|  |          | 1 = BN<br>2/N = BU<br>PE = GN/YE  |               | 1 = BU<br>2 = BN<br>PE = GN/YE  |          |
| Cable  | Length m | Part No.  | Part No.      | Part No.  | Part No. |
| Rubber-sheathed cable<br>H05RN-F<br>containing halogen | 0.5      | 41.437.0533.1   | 41.437.0537.8 |   |          |
|  | 1        | 41.437.1033.1   | 41.437.1037.8 |   |          |
|  | 1.5      | 41.437.1533.1   | 41.437.1537.8 |   |          |
|  | 2        | 41.437.2033.1   | 41.437.2037.8 |   |          |
|  | 2.5      | 41.437.2533.1   | 41.437.2537.8 |   |          |
|  | 3        | 41.437.3033.1   | 41.437.3037.8 |   |          |
|  | 4        | 41.437.4033.1   | 41.437.4037.8 |   |          |

2-pole connectors – one pole is not configured.

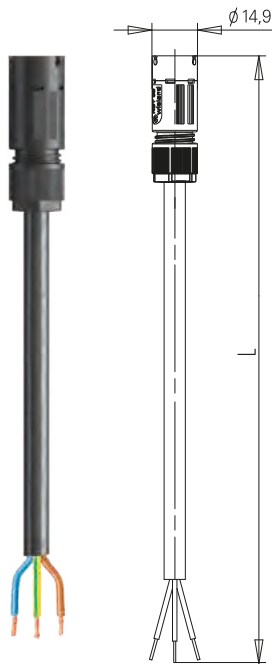
With contact seal: please choose 4L.XXX.XXXX.X instead of 41.XXX.XXXX.X.



# Cable assemblies

## 0.75 mm<sup>2</sup>; 6 A

### Connection cables male – free end



|  |          | 250V/400V<br>black<br>2-pole | ~50/-120V<br>pebble gray<br>2-pole | 250V/400V<br>light blue<br>2-pole | ~50/-120V<br>slate gray<br>2-pole |
|--|----------|------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
|  |          |                              |                                    |                                   |                                   |
|  |          | 1 = BN<br>2/N = BU           | 1 = BU<br>2 = BN                   | 1 = BN<br>2/N = BU                | 1 = BU<br>2 = BN                  |
| Cable  | Length m | Part No.                     | Part No.                           | Part No.                          | Part No.                          |
| Rubber-sheathed cable<br>H05RN-F<br>containing halogen | 0.5      | 41.427.0534.1                | 41.427.0538.8                      | 41.427.0534.9                     | 41.427.0538.4                     |
|  | 1        | 41.427.1034.1                | 41.427.1038.8                      | 41.427.1034.9                     | 41.427.1038.4                     |
|  | 1.5      | 41.427.1534.1                | 41.427.1538.8                      | 41.427.1534.9                     | 41.427.1538.4                     |
|  | 2        | 41.427.2034.1                | 41.427.2038.8                      | 41.427.2034.9                     | 41.427.2038.4                     |
|  | 2.5      | 41.427.2534.1                | 41.427.2538.8                      | 41.427.2534.9                     | 41.427.2538.4                     |
|  | 3        | 41.427.3034.1                | 41.427.3038.8                      | 41.427.3034.9                     | 41.427.3038.4                     |
|  | 4        | 41.427.4034.1                | 41.427.4038.8                      | 41.427.4034.9                     | 41.427.4038.4                     |


|  |          | 250V/400V<br>black<br>3-pole     | ~50/-120V<br>pebble gray<br>3-pole |
|--|----------|----------------------------------|------------------------------------|
|  |          |                                  |                                    |
|  |          | 1 = BN<br>2/N = BU<br>PE = GN/YE | 1 = BU<br>2 = BN<br>PE = GN/YE     |
| Cable  | Length m | Part No.                         | Part No.                           |
| Rubber-sheathed cable<br>H05RN-F<br>containing halogen | 0.5      | 41.437.0534.1                    | 41.437.0538.8                      |
|  | 1        | 41.437.1034.1                    | 41.437.1038.8                      |
|  | 1.5      | 41.437.1534.1                    | 41.437.1538.8                      |
|  | 2        | 41.437.2034.1                    | 41.437.2038.8                      |
|  | 2.5      | 41.437.2534.1                    | 41.437.2538.8                      |
|  | 3        | 41.437.3034.1                    | 41.437.3038.8                      |
|  | 4        | 41.437.4034.1                    | 41.437.4038.8                      |

2-pole connectors – one pole is not configured.


With contact seal: please choose 4L.XXX.XXXX.X instead of 41.XXX.XXXX.X.

Accessories


|              |  |
|--------------|--|
| Cover pieces | For the safe closure of female and male connectors.<br>With mounting strap for snapping on |
|--------------|--|

|  |          |         |               |               |
|--|----------|---------|---------------|---------------|
| for female   | for male |         | for female    | for male      |
|  |          | Color   | Part No.      | Part No.      |
|  |          | ■ black | 06.563.5053.1 | 06.563.5153.1 |


|            |                                       |
|------------|---------------------------------------|
| Pin wrench | for <b>RST®</b> MICRO screw terminals |
|------------|---------------------------------------|

|  |  |            |               |
|--|--|------------|---------------|
|  |  | Name       | Part No.      |
|  |  | Pin wrench | 06.502.6100.0 |

|                  |                                       |
|------------------|---------------------------------------|
| Hexagonal wrench | for <b>RST®</b> MICRO screw terminals |
|------------------|---------------------------------------|

|  |  |             |               |
|--|--|-------------|---------------|
|  |  | Name        | Part No.      |
|  |  | Wrench      | 06.502.6300.0 |
|  |  | Std. Pack 5 |               |

|            |           |  |
|------------|-----------|--|
| Sample kit | Contents: | Connectors and device connectors in all codings, cover cap an hexagonal wrench |
|------------|-----------|--|

|  |  |            |               |
|--|--|------------|---------------|
|  |  | Name       | Part No.      |
|  |  | Sample kit | 99.431.0000.1 |



# Technical Specifications **RST**<sup>®</sup> MICRO

|                 | RST08i2/3       |
|-----------------|-----------------|
| Rated voltage   | 250/400V        |
| Rated current   | 8A              |
| Number of poles | 2- bzw. 3-polig |

**Connector temperature range:**

-40°C to +100°C

**Material:**

Contact parts: Brass surface-treated  
housing parts: Polyamide, halogen-free, V0, f1  
seal material: NBR

**Pollution degree:**

3 (when inserted)

**Protection rating:**

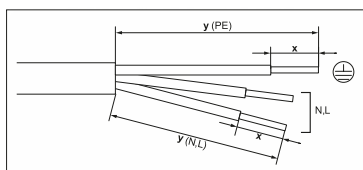
IP66/68 (3m; 2h)/69, barrier seal optional

**Approvals:**

Pending: VDE (acc. to IEC 61984), cULus, LR, DNV/GL, RINA, BV

## Wire strip lengths

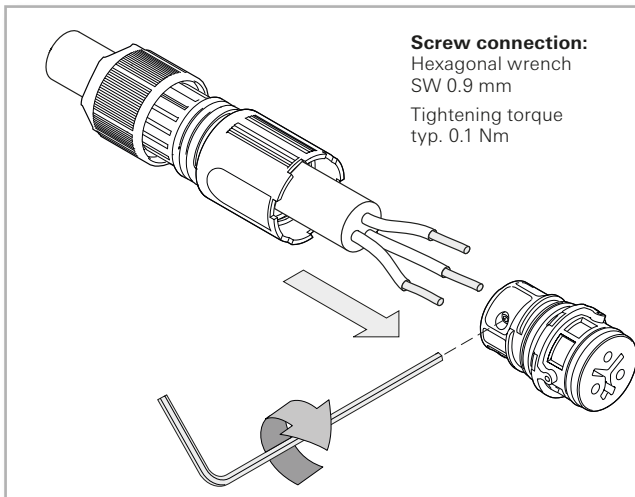
Fine-stranded (suitable for ferrules)



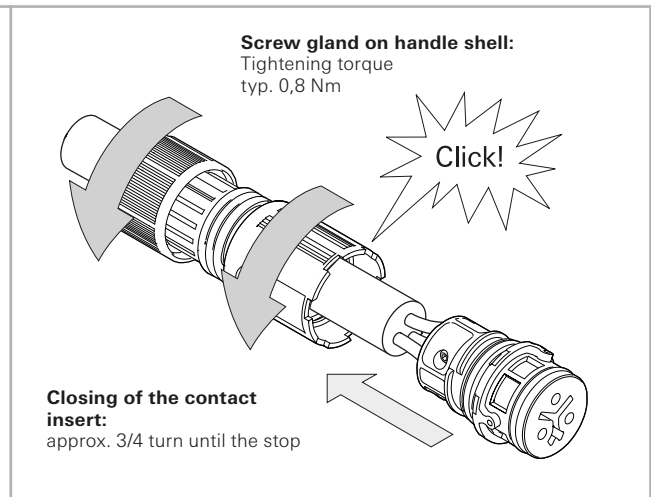
| Conductor                     | PE | N, L |
|-------------------------------|----|------|
| Sheath strip length y (in mm) | 19 | 18   |
| Wire strip length x (mm)      | 6  | 6    |

## Connectors 2-/3-pole

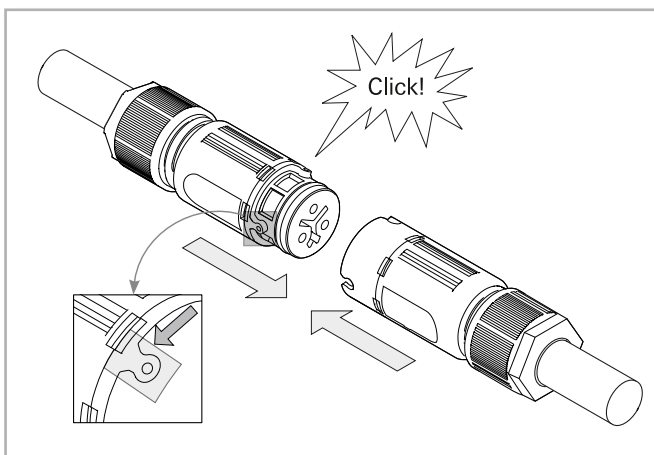
### Wire connection



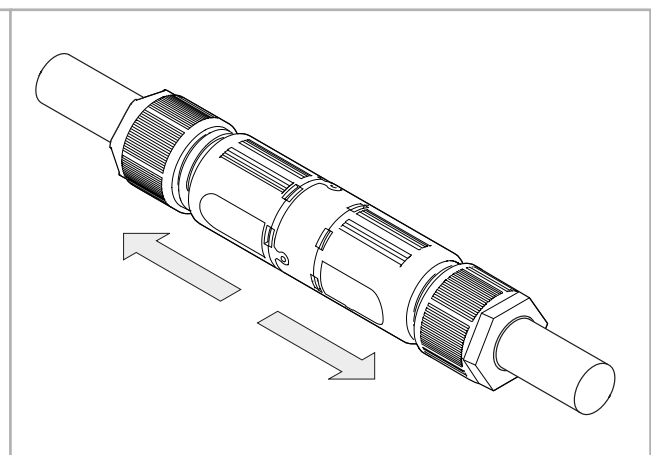
### Closing the connector



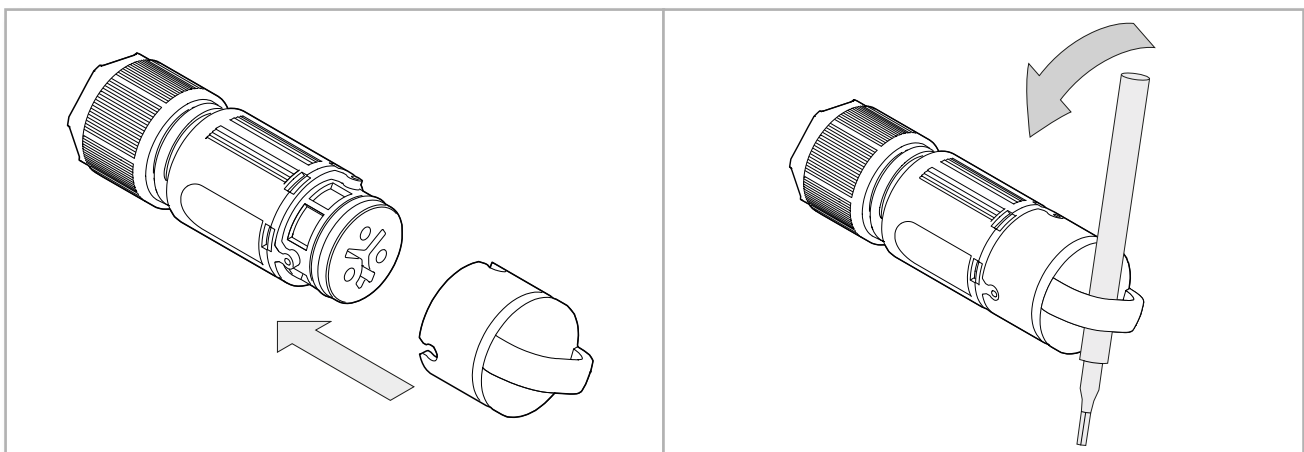
### Plugging and locking



### Unlocking and separating



### Opening the connector



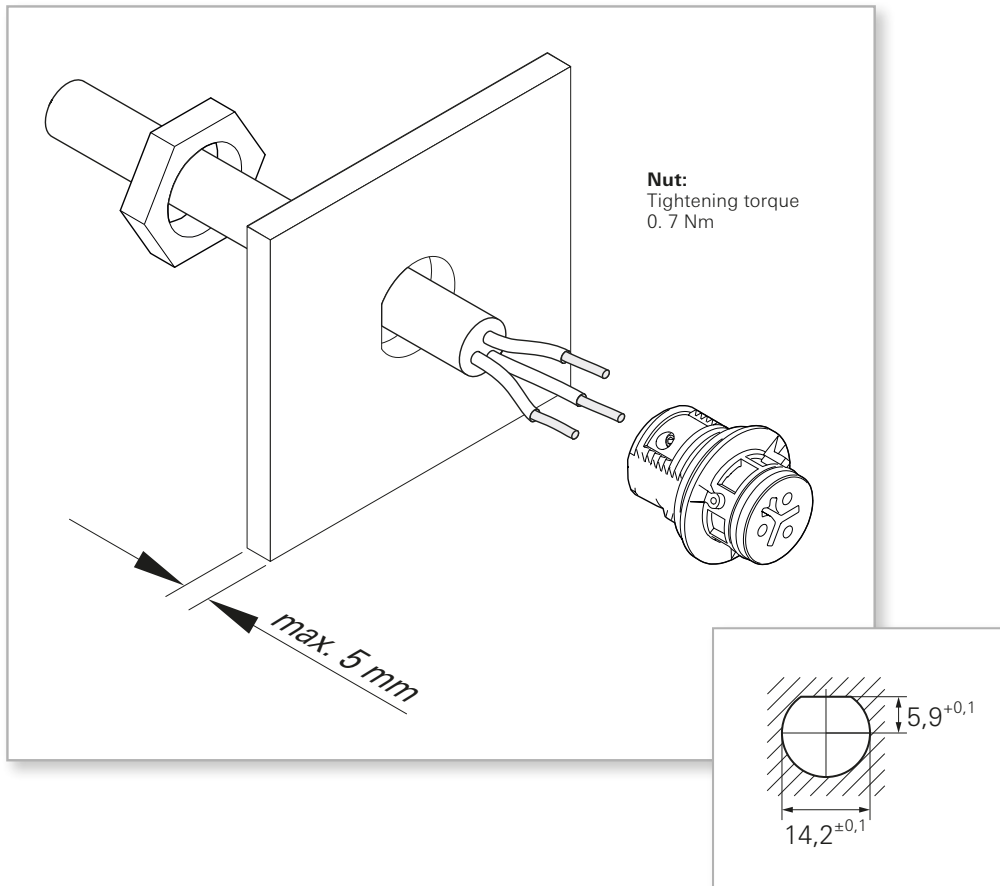
The corresponding installation instruction BA001157 can be found online in the download section of the respective product under: [eshop.wieland-electric.com](http://eshop.wieland-electric.com)



## Device connections 2-/3-pole

Housing installation with M14 feedthrough

Dimensions in mm



The corresponding installation instruction BA001157 can be found online in the download section of the respective product under: [eshop.wieland-electric.com](http://eshop.wieland-electric.com)

## The **RST®** MINI connector series

### Optimized for installation in confined spaces

The **RST®** MINI series marks a continuation of the story of the **RST®** installation system's success and logically follows the trend towards compact designs.

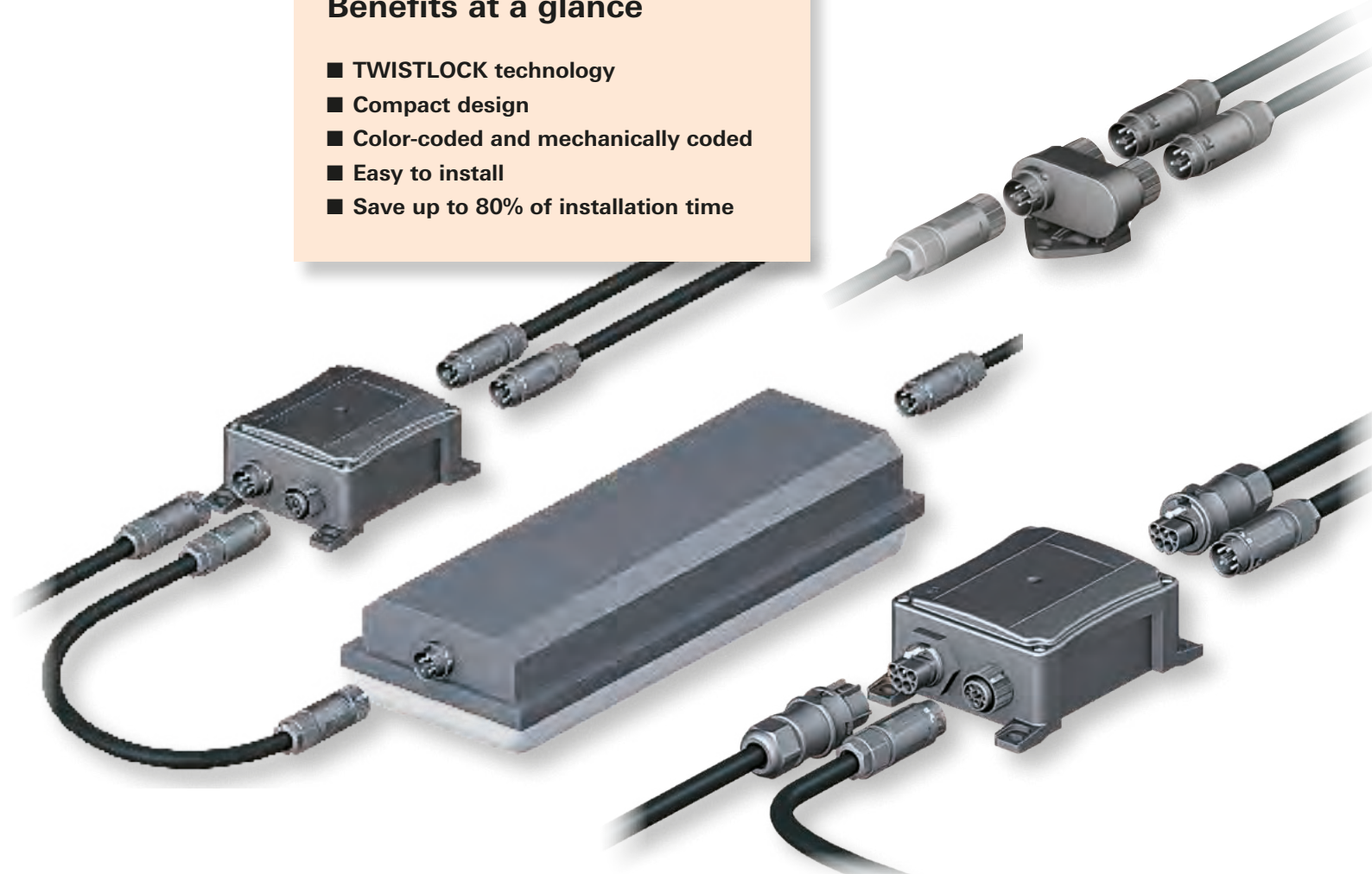
The 2- to 5-pole plug connectors and device connectors have been designed for 250/400V and 16A and are all available in the screw connection technology that electricians trust.

Customized distributors as well as pre-assembled cables round the system off perfectly and offer a huge range of different possible uses, not just in building automation or industry.



#### Benefits at a glance

- TWISTLOCK technology
- Compact design
- Color-coded and mechanically coded
- Easy to install
- Save up to 80% of installation time





## RST® MINI click & safe

### The patented locking device

#### TWISTLOCK technology

With the smart TWISTLOCK locking mechanism, the connectors lock automatically when plugged together and give the user clear feedback on the correct end position. A slight rotation severs the connection easily.

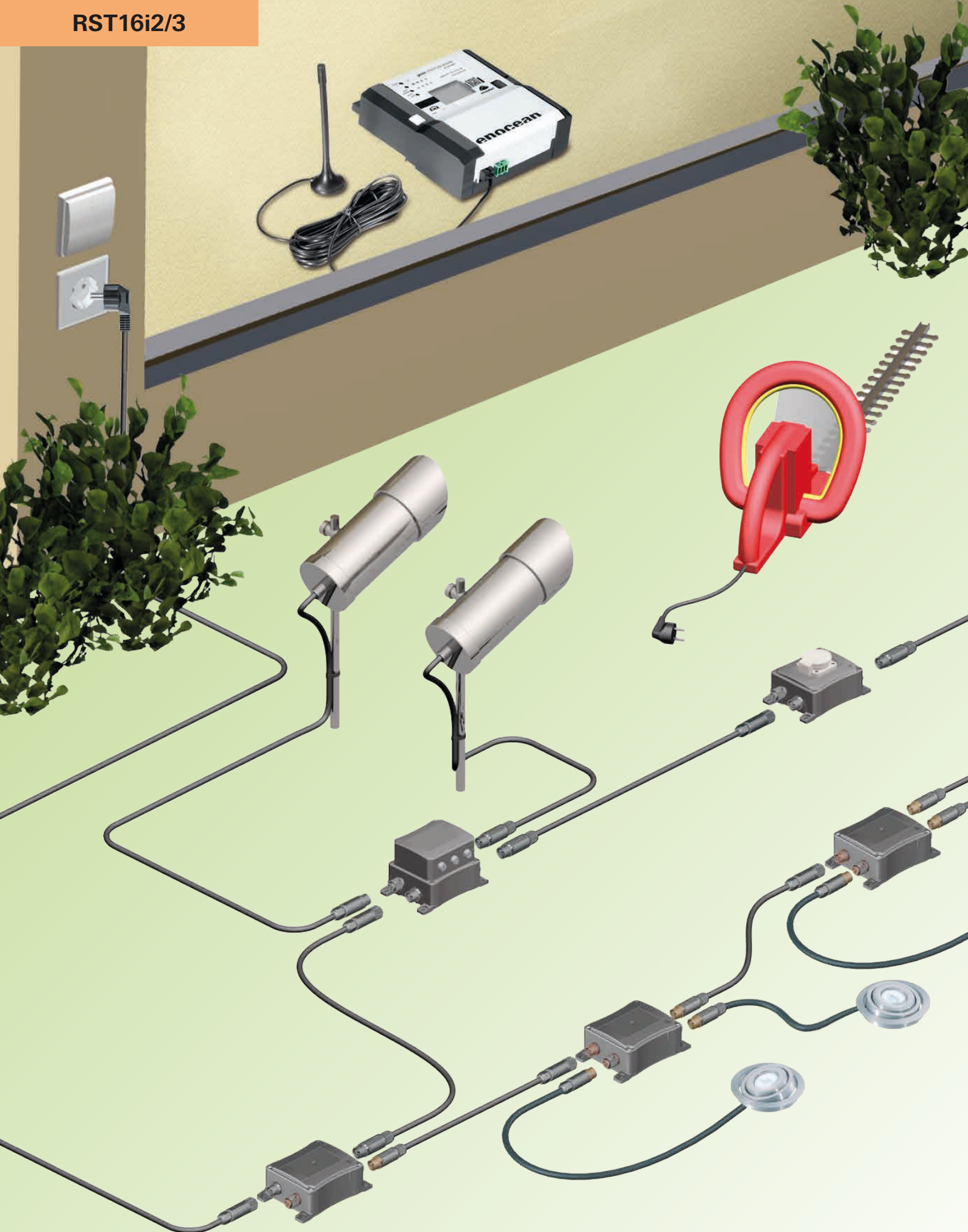
click  
& safe

Close

automatic  
locking mechanism

Open

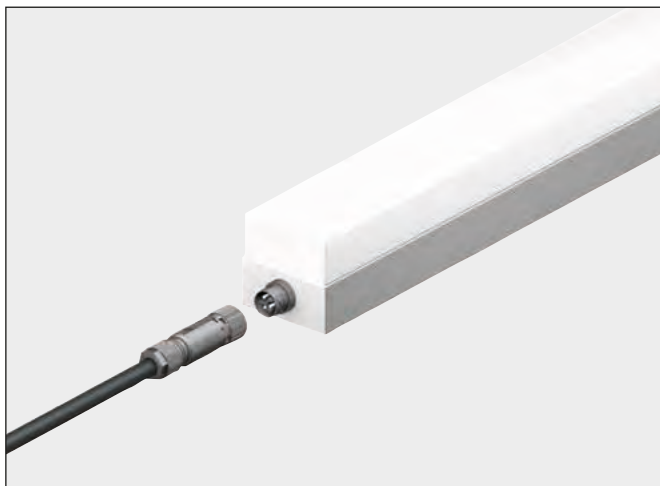
RST® MINI





The RST16i2/3 product line – mains connection, lighting installation, DALI, DMX, applications in the extra-low voltage range (LED technology), loudspeaker applications

## Application example



## General

With the 2-/3-pole connectors, there are five available codings. These can cover applications relating to the mains connection of electrical consumers, the connection of LED luminaires in the extra-low voltage range, and also the electrification of DALI, DMX, or loudspeaker systems. The main focus is the mains connection of electrical equipment with a compact design. The mechanical codings have the advantage that only associated pairs of male and female connectors can be connected, with the correct polarity ensured. This gives you the security of a clear distinction.

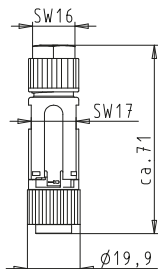
The connectors are also available in a 2-pole variant. This is based on the 3-pole housing, but with one pole not configured.

## Coding

|                        | Application                                 | 250V       |            | 250/400V   | 250/400V   | 250/400V   | ~50/-120V    |
|------------------------|---|------------|------------|------------|------------|------------|--------------|
|                        | Mechanical coding                           | L, N, PE   |            | 1, 2, PE   | 1, 2, 3    | 1, 2, 3    | D1, D2, PE   |
|                        |   |            |            |            |            |            |              |
| Name                   | Description                                 | black      | light gray | green      | turquoise  | light blue | signal brown |
| Connectors             |   | ✓          | ✓          | ✓          | ✓          | ✓          | ✓            |
| M16 device connections |   | ✓          | ✓          | ✓          | ✓          | ✓          | ✓            |
| Distribution units     | RST® compact and multiple distribution unit | ✓          | ✓          | ✓          | ✓          | ✓          | ✓            |
|                        | Distribution block 1E/2A                    | ✓          | ✓          | ✓          | ✓          | ✓          | ✓            |
|                        | Individual distribution box                 | on request | on request | on request | on request | on request | on request   |
| Cable assemblies       | Device connection cable Male – free end     | ✓          | ✓          | on request | on request | on request | on request   |
|                        | Connection cable Female – free end          | ✓          | ✓          | on request | on request | on request | on request   |
|                        | Extension cable Female – male               | ✓          | ✓          | on request | on request | on request | on request   |

## Connectors, straight for cables Ø 5.0 – 9.5 mm<sup>2)</sup>

### Female connector

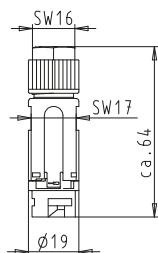


### Rated values

|                     |  |
|---------------------|--|
| Rated voltage       | 250/400V   |
| Rated current       | 16A  |
| Rated cross-section | 0.25 to 1.5 mm <sup>2</sup> (up to 1.0 mm <sup>2</sup> suitable for ferrules), 2.5 mm <sup>2</sup> rigid |
| Approvals           | VDE, cULus<br>being prepared: LR, DNV/GL, RINA, BV   |

| Application | Coding | Pole marking         | Ø Cable mm                   | Color               | Part No.                       |
|-------------|--------|----------------------|------------------------------|---------------------|--------------------------------|
|             |        |                      |                              |                     | <b>with screw connection</b>   |
| 250/400 V   |        | L, N, PE             | Ø 5.0 – 9.5 mm <sup>2)</sup> | black<br>light gray | 46.031.4553.1<br>46.031.4553.0 |
|             |        | L, N                 | Ø 5.0 – 9.5 mm <sup>2)</sup> | black<br>light gray | 46.031.4554.1<br>46.031.4554.0 |
|             |        | 1, 2, PE             | Ø 5.0 – 9.5 mm <sup>2)</sup> | green               | 46.031.4555.7                  |
|             |        | 1, 2, 3              | Ø 5.0 – 9.5 mm <sup>2)</sup> | light blue          | 46.031.4553.9                  |
|             |        | 1, 2 <sup>1)</sup>   | Ø 5.0 – 9.5 mm <sup>2)</sup> | light blue          | 46.031.4554.9                  |
|             |        | D1, D2, PE           | Ø 5.0 – 9.5 mm <sup>2)</sup> | turquoise           | 46.031.4550.6                  |
|             |        | D1, D2 <sup>1)</sup> | Ø 5.0 – 9.5 mm <sup>2)</sup> | turquoise           | 46.031.4551.6                  |
|             |        | D1, D2 <sup>1)</sup> | AS-i profile cable           | turquoise           | 46.031.4951.6                  |
| ~50/-120V   |        | 1, 2, 3              | Ø 5.0 – 9.5 mm <sup>2)</sup> | signal brown        | 46.031.4550.4                  |
|             |        | 1, 2 <sup>1)</sup>   | Ø 5.0 – 9.5 mm <sup>2)</sup> | signal brown        | 46.031.4551.4                  |
|             |        | 1, 2 <sup>1)</sup>   | AS-i profile cable           | signal brown        | 46.031.4951.4                  |

### Male connector



### Rated values

|                     |  |
|---------------------|--|
| Rated voltage       | 250/400V   |
| Rated current       | 16A  |
| Rated cross-section | 0.25 to 1.5 mm <sup>2</sup> (up to 1.0 mm <sup>2</sup> suitable for ferrules), 2.5 mm <sup>2</sup> rigid |
| Approvals           | VDE, cULus<br>being prepared: LR, DNV/GL, RINA, BV   |

| Application | Coding | Pole marking         | Ø Cable mm                   | Color               | Part No.                       |
|-------------|--------|----------------------|------------------------------|---------------------|--------------------------------|
|             |        |                      |                              |                     | <b>with screw connection</b>   |
| 250/400 V   |        | L, N, PE             | Ø 5.0 – 9.5 mm <sup>2)</sup> | black<br>light gray | 46.032.4553.1<br>46.032.4553.0 |
|             |        | L, N                 | Ø 5.0 – 9.5 mm <sup>2)</sup> | black<br>light gray | 46.032.4554.1<br>46.032.4554.0 |
|             |        | 1, 2, PE             | Ø 5.0 – 9.5 mm <sup>2)</sup> | green               | 46.032.4555.7                  |
|             |        | 1, 2, 3              | Ø 5.0 – 9.5 mm <sup>2)</sup> | light blue          | 46.032.4553.9                  |
|             |        | 1, 2 <sup>1)</sup>   | Ø 5.0 – 9.5 mm <sup>2)</sup> | light blue          | 46.032.4554.9                  |
|             |        | D1, D2, PE           | Ø 5.0 – 9.5 mm <sup>2)</sup> | turquoise           | 46.032.4550.6                  |
|             |        | D1, D2 <sup>1)</sup> | Ø 5.0 – 9.5 mm <sup>2)</sup> | turquoise           | 46.032.4551.6                  |
|             |        | D1, D2 <sup>1)</sup> | AS-i profile cable           | turquoise           | 46.032.4951.6                  |
| ~50/-120V   |        | 1, 2, 3              | Ø 5.0 – 9.5 mm <sup>2)</sup> | signal brown        | 46.032.4550.4                  |
|             |        | 1, 2 <sup>1)</sup>   | Ø 5.0 – 9.5 mm <sup>2)</sup> | signal brown        | 46.032.4551.4                  |
|             |        | 1, 2 <sup>1)</sup>   | AS-i profile cable           | signal brown        | 46.032.4951.4                  |

<sup>1)</sup> One pole not configured

<sup>2)</sup> Other diameters available upon request. Please note: Individual H07RN-F 1.5 cables can have a diameter of more than 9.5 mm.

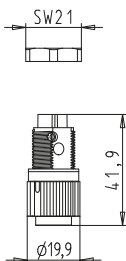


# M16 device connections straight

## Female connector



For housing cut-out see  
Technical Data



## Rated values

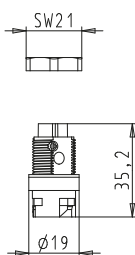
|                     |  |
|---------------------|--|
| Rated voltage       | 250/400V   |
| Rated current       | 16A  |
| Rated cross-section | 0.25 to 1.5 mm <sup>2</sup> (up to 1.0 mm <sup>2</sup> suitable for ferrules), 2.5 mm <sup>2</sup> rigid |
| Approvals           | VDE, cULus<br>being prepared: LR, DNV/GL, RINA, BV   |
| Wall thicknesses    | up to 8 mm   |

| Application                  | Coding | Pole marking         | Color               | Part No.                       |
|------------------------------|--------|----------------------|---------------------|--------------------------------|
| <b>with screw connection</b> |        |                      |                     |                                |
| 250/400 V                    |        | L, N, PE             | black<br>light gray | 46.031.5053.1<br>46.031.5053.0 |
|                              |        | L, N                 | black<br>light gray | 46.031.5054.1<br>46.031.5054.0 |
|                              |        | 1, 2, PE             | green               | 46.031.5055.7                  |
|                              |        | 1, 2, 3              | light blue          | 46.031.5053.9                  |
|                              |        | 1, 2 <sup>1)</sup>   | light blue          | 46.031.5054.9                  |
|                              |        | D1, D2, PE           | turquoise           | 46.031.5050.6                  |
|                              |        | D1, D2 <sup>1)</sup> | turquoise           | 46.031.5051.6                  |
|                              |        | 1, 2, 3              | signal brown        | 46.031.5050.4                  |
| ~50/-120V                    |        | 1, 2 <sup>1)</sup>   | signal brown        | 46.031.5051.4                  |
|                              |        |                      |                     |                                |

## Male connector



For housing cut-out see  
Technical Data



## Rated values

|                     |  |
|---------------------|--|
| Rated voltage       | 250/400V   |
| Rated current       | 16A  |
| Rated cross-section | 0.25 to 1.5 mm <sup>2</sup> (up to 1.0 mm <sup>2</sup> suitable for ferrules), 2.5 mm <sup>2</sup> rigid |
| Approvals           | VDE, cULus<br>being prepared: LR, DNV/GL, RINA, BV   |
| Wall thicknesses    | up to 8 mm   |

| Application                  | Coding | Pole marking         | Color               | Part No.                       |
|------------------------------|--------|----------------------|---------------------|--------------------------------|
| <b>with screw connection</b> |        |                      |                     |                                |
| 250/400 V                    |        | L, N, PE             | black<br>light gray | 46.032.5053.1<br>46.032.5053.0 |
|                              |        | L, N                 | black<br>light gray | 46.032.5054.1<br>46.032.5054.0 |
|                              |        | 1, 2, PE             | green               | 46.032.5055.7                  |
|                              |        | 1, 2, 3              | light blue          | 46.032.5053.9                  |
|                              |        | 1, 2 <sup>1)</sup>   | light blue          | 46.032.5054.9                  |
|                              |        | D1, D2, PE           | turquoise           | 46.032.5050.6                  |
|                              |        | D1, D2 <sup>1)</sup> | turquoise           | 46.032.5051.6                  |
|                              |        | 1, 2, 3              | signal brown        | 46.032.5050.4                  |
| ~50/-120V                    |        | 1, 2 <sup>1)</sup>   | signal brown        | 46.032.5051.4                  |
|                              |        |                      |                     |                                |

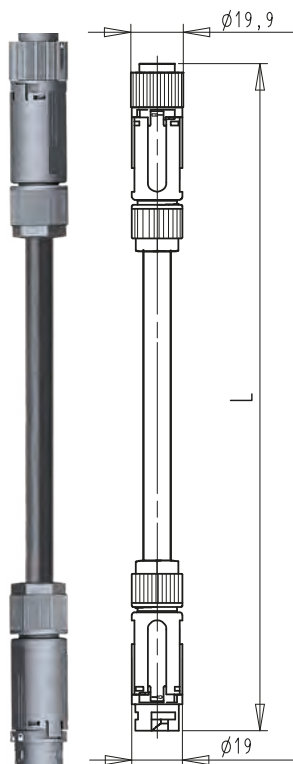
<sup>1)</sup> One pole not configured

## Cable assemblies

### 1.5 mm<sup>2</sup>; 16 A

| Rated values            |                  |                  | Connection type of cable | cable gland |
|-------------------------|------------------|------------------|--------------------------|-------------|
| Wire ends               | (open cable end) | ultrason. welded | Interlock                | integrated  |
| Sheath strip length     | (open cable end) | 35 mm            | Color cable              | black       |
| Insulation strip length | (open cable end) | 9 mm             | Color handle shell       | black       |

#### Connection cables female – male

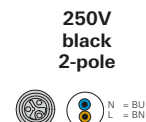
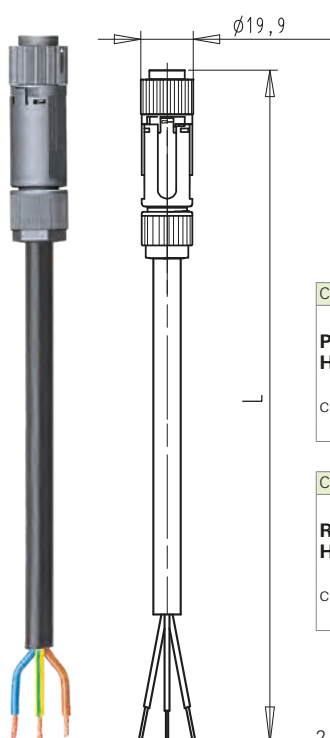


| Cable  | Length m | Part No.      | Part No.      | Part No.      |
|--|----------|---------------|---------------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 0.5      | 46.432.0500.1 | 46.422.0500.1 | 46.422.0502.4 |
|  | 1        | 46.432.1000.1 | 46.422.1000.1 | 46.422.1002.4 |
|  | 2        | 46.432.2000.1 | 46.422.2000.1 | 46.422.2002.4 |
|  | 3        | 46.432.3000.1 | 46.422.3000.1 | 46.422.3002.4 |
|  | 4        | 46.432.4000.1 | 46.422.4000.1 | 46.422.4002.4 |
|  | 5        | 46.432.5000.1 | 46.422.5000.1 | 46.422.5002.4 |

| Cable  | Length m | Part No.      | Part No.      | Part No.      |
|--|----------|---------------|---------------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 0.5      | 46.432.0530.1 | 46.422.0530.1 | 46.422.0532.4 |
|  | 1        | 46.432.1030.1 | 46.422.1030.1 | 46.422.1032.4 |
|  | 2        | 46.432.2030.1 | 46.422.2030.1 | 46.422.2032.4 |
|  | 3        | 46.432.3030.1 | 46.422.3030.1 | 46.422.3032.4 |
|  | 4        | 46.432.4030.1 | 46.422.4030.1 | 46.422.4032.4 |
|  | 5        | 46.432.5030.1 | 46.422.5030.1 | 46.422.5032.4 |

2-pole connectors – one pole is not configured.

#### Connection cables female – free end



| Cable  | Length m | Part No.      | Part No.      | Part No.      |
|--|----------|---------------|---------------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 0.5      | 46.432.0503.1 | 46.422.0503.1 | 46.422.0507.4 |
|  | 1        | 46.432.1003.1 | 46.422.1003.1 | 46.422.1007.4 |
|  | 2        | 46.432.2003.1 | 46.422.2003.1 | 46.422.2007.4 |
|  | 3        | 46.432.3003.1 | 46.422.3003.1 | 46.422.3007.4 |
|  | 4        | 46.432.4003.1 | 46.422.4003.1 | 46.422.4007.4 |
|  | 5        | 46.432.5003.1 | 46.422.5003.1 | 46.422.5007.4 |

| Cable  | Length m | Part No.      | Part No.      | Part No.      |
|--|----------|---------------|---------------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 0.5      | 46.432.0533.1 | 46.422.0533.1 | 46.422.0537.4 |
|  | 1        | 46.432.1033.1 | 46.422.1033.1 | 46.422.1037.4 |
|  | 2        | 46.432.2033.1 | 46.422.2033.1 | 46.422.2037.4 |
|  | 3        | 46.432.3033.1 | 46.422.3033.1 | 46.422.3037.4 |
|  | 4        | 46.432.4033.1 | 46.422.4033.1 | 46.422.4037.4 |
|  | 5        | 46.432.5033.1 | 46.422.5033.1 | 46.422.5037.4 |

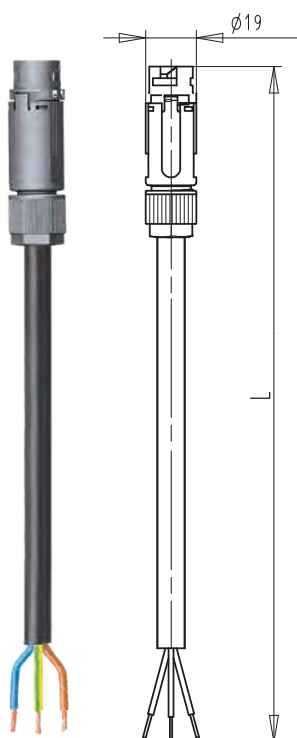
2-pole connectors – one pole is not configured.



## Cable assemblies

### 1.5 mm<sup>2</sup>; 16 A

#### Connection cables male – free end



**250V  
black  
3-pole**



**250V  
black  
2-pole**



**~50/-120V  
signal brown  
2-pole**



| Cable  | Length m | Part No.      | Part No.      | Part No.      |
|--|----------|---------------|---------------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 0.5      | 46.432.0504.1 | 46.422.0504.1 | 46.422.0508.4 |
|  | 1        | 46.432.1004.1 | 46.422.1004.1 | 46.422.1008.4 |
|  | 2        | 46.432.2004.1 | 46.422.2004.1 | 46.422.2008.4 |
|  | 3        | 46.432.3004.1 | 46.422.3004.1 | 46.422.3008.4 |
|  | 4        | 46.432.4004.1 | 46.422.4004.1 | 46.422.4008.4 |
|  | 5        | 46.432.5004.1 | 46.422.5004.1 | 46.422.5008.4 |

| Cable  | Length m | Part No.      | Part No.      | Part No.      |
|--|----------|---------------|---------------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 0.5      | 46.432.0534.1 | 46.422.0534.1 | 46.422.0538.4 |
|  | 1        | 46.432.1034.1 | 46.422.1034.1 | 46.422.1038.4 |
|  | 2        | 46.432.2034.1 | 46.422.2034.1 | 46.422.2038.4 |
|  | 3        | 46.432.3034.1 | 46.422.3034.1 | 46.422.3038.4 |
|  | 4        | 46.432.4034.1 | 46.422.4034.1 | 46.422.4038.4 |
|  | 5        | 46.432.5034.1 | 46.422.5034.1 | 46.422.5038.4 |

2-pole connectors – one pole is not configured.

Cable assemblies  
1.5 mm<sup>2</sup>; 16 A

Connection cable

Schuko plug - RST16i3 female



250V  
black  
3-pole



| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>PVC cable</b><br><b>H05VV-F</b><br><br>containing halogen | 1.5      | 99.700.0000.8 |
|  | 2.5      | 99.701.0000.8 |
|  | 4        | 99.702.0000.8 |
|  | 5        | 99.703.0000.8 |
|  | 8        | 99.704.0000.8 |

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>Rubber-sheathed cable</b><br><b>H07RN-F</b><br><br>containing halogen | 1.5      | 99.705.0000.8 |
|  | 2.5      | 99.706.0000.8 |
|  | 4        | 99.707.0000.8 |
|  | 5        | 99.708.0000.8 |
|  | 8        | 99.709.0000.8 |

Connection cable

RST16i3 - Schuko coupling



250V  
black  
3-pole



| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>Rubber-sheathed cable</b><br><b>H07RN-F</b><br><br>containing halogen | 0.5      | 99.710.0000.8 |
|  | 1        |               |
|  | 2        | other lengths |
|  | 3        | on request    |
|  | 4        |               |
|  | 5        |               |





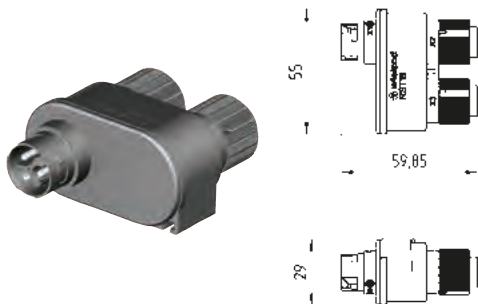
## Distribution units

| Compact distribution units |                     | pre-wired with  | 1.5 mm <sup>2</sup> (halogen free) |
|----------------------------|---------------------|-----------------|------------------------------------|
| Dimensions                 | 104 x 162 x 57.2 mm | Mounting option | Yes                                |



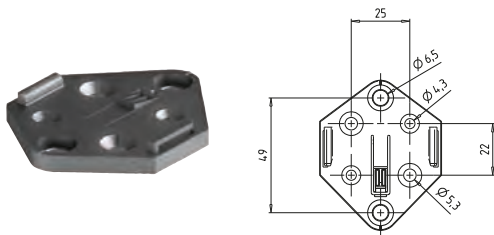
| Color            | Application             | Pole marking | Input | Outputs | Part No.      |
|------------------|-------------------------|--------------|-------|---------|---------------|
| ■ black          | 250V                    | L, N, PE     | 1     | 3       | 46.030.0153.1 |
| ■ light gray     | 250V                    | L, N, PE     | 1     | 3       | 46.030.0153.0 |
| ■ black          | 250V                    | L, N         | 1     | 3       | 46.030.0154.1 |
| ■ light gray     | 250V                    | L, N         | 1     | 3       | 46.030.0154.0 |
| ■ leaves green   | 250/400V                | 1, 2, PE     | 1     | 3       | 46.030.0155.7 |
| ■ light blue     | 250/400V                | 1, 2, 3      | 1     | 3       | 46.030.0153.9 |
| ■ light blue     | 250/400V <sup>1)</sup>  | 1, 2         | 1     | 3       | 46.030.0154.9 |
| ■ turquoise blue | 250/400V                | D1, D2, PE   | 1     | 3       | 46.030.0150.6 |
| ■ turquoise blue | 250/400V <sup>1)</sup>  | D1, D2       | 1     | 3       | 46.030.0151.6 |
| ■ signal brown   | ~50/-120V               | 1, 2, 3      | 1     | 3       | 46.030.0150.4 |
| ■ signal brown   | ~50/-120V <sup>1)</sup> | 1, 2         | 1     | 3       | 46.030.0151.4 |

| Distribution block 1I/2O |  | Mounting option | with separate mounting plate |
|--------------------------|--|-----------------|------------------------------|
|--------------------------|--|-----------------|------------------------------|



| Color            | Application             | Pole marking | Input | Outputs | Part No.      |
|------------------|-------------------------|--------------|-------|---------|---------------|
| ■ black          | 250V                    | L, N, PE     | 1     | 2       | 46.030.1253.1 |
| ■ light gray     | 250V                    | L, N, PE     | 1     | 2       | 46.030.1253.0 |
| ■ black          | 250V                    | L, N         | 1     | 2       | 46.030.1254.1 |
| ■ light gray     | 250V                    | L, N         | 1     | 2       | 46.030.1254.0 |
| ■ leaves green   | 250/400V                | 1, 2, PE     | 1     | 2       | 46.030.1255.7 |
| ■ light blue     | 250/400V                | 1, 2, 3      | 1     | 2       | 46.030.1253.9 |
| ■ light blue     | 250/400V <sup>1)</sup>  | 1, 2         | 1     | 2       | 46.030.1254.9 |
| ■ turquoise blue | 250/400V                | D1, D2, PE   | 1     | 2       | 46.030.1250.6 |
| ■ turquoise blue | 250/400V <sup>1)</sup>  | D1, D2       | 1     | 2       | 46.030.1251.6 |
| ■ signal brown   | ~50/-120V               | 1, 2, 3      | 1     | 2       | 46.030.1250.4 |
| ■ signal brown   | ~50/-120V <sup>1)</sup> | 1, 2         | 1     | 2       | 46.030.1251.4 |

| Mounting plate for distribution block |  |
|---------------------------------------|--|
|---------------------------------------|--|



| Color        | Part No.      |
|--------------|---------------|
| ■ black      | 06.562.5853.1 |
| ■ light gray | 06.562.5853.0 |



## Accessories

### Cover caps

**For the safe closure of female and male connectors.**

With mounting strap for snapping onto plug connectors and device connectors

for female

for male



#### not captive against loss

| Color        | for female                | for male                  |
|--------------|---------------------------|---------------------------|
| ■ light gray | Part No.<br>06.563.8653.0 | Part No.<br>06.563.8853.0 |
| ■ black      | 06.563.8653.1             | 06.563.8853.1             |

for female

for male



#### captive against loss

| Color        | for female                | for male                  |
|--------------|---------------------------|---------------------------|
| ■ light gray | Part No.<br>06.563.8753.0 | Part No.<br>06.563.8953.0 |
| ■ black      | 06.563.8753.1             | 06.563.8953.1             |

The previous version with plug on function is under known Part no. available until 12/2018.

### Sample kit

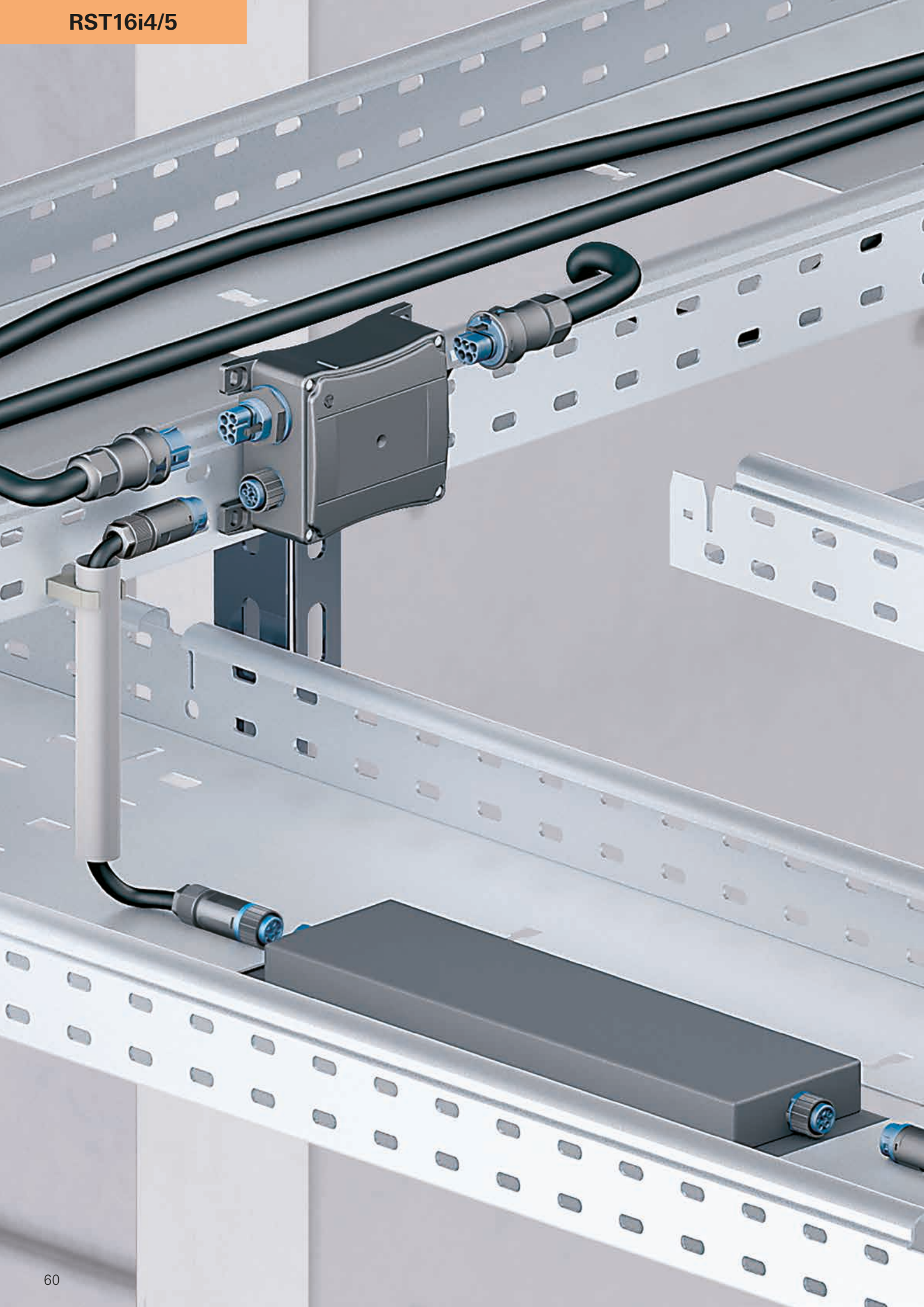
Contents:

- Connectors
- Device connectors
- Contact parts in various codings
- Cover caps
- Distributor



| Name       | Part No.      |
|------------|---------------|
| Sample Kit | 99.674.0000.0 |





The RST16i4/5 product line – general network applications, lighting installation with dimming function, connection of electrical (sunblind) drives, applications in the extra-low voltage range (LED technology)

### Application example



### General

The **RST16i4/5** product line has a total of four mechanical codings and can therefore cover a wide range of applications from general network applications to applications in the extra-low voltage range. The main focus is the connection of dimmable luminaires with a compact design. This series is also tailored for the electrification of RGB or RGB-W/A outdoor spotlights. There are different mechanical codings available for every application. This means that only associated pairs of male and female connectors can be connected, with the correct polarity ensured. This gives you the security of a clear distinction.

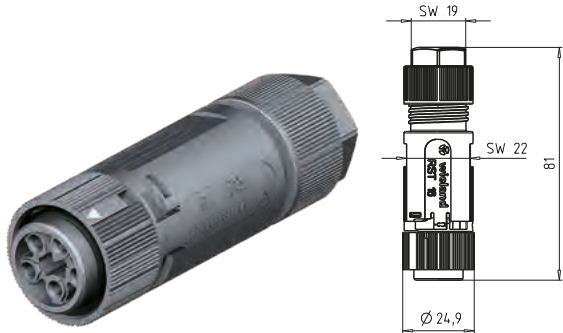
The codings are also available in a 4-pole variant. This is based on the 5-pole housing, but with one pole not configured.

### Coding

|                         | Application                            | 250/400V       |            | 250V           | 250/400V      | ~50/- 120V    |
|-------------------------|--|----------------|------------|----------------|---------------|---------------|
|                         | Mechanical coding, for example         | 1, 2, 3, N, PE |            | L, N, PE, 1, 2 | 1, 2, 3, 4, 5 | 1, 2, 3, 4, 5 |
|                         |  |                |            |                |               |               |
| Name                    | Description                            | black          | light gray | turquoise      | signal brown  | light blue    |
| Connectors              |  | ✓              | ✓          | ✓              | ✓             | ✓             |
| Device connectors M20,2 |  | ✓              | ✓          | ✓              | ✓             | ✓             |
| Distribution units      | RST® compact and multiple distributors | ✓              | ✓          | ✓              | ✓             | ✓             |
|                         | Distribution block 1E/2A               | ✓              | ✓          | ✓              | ✓             | ✓             |
|                         | Individual distribution box            | on request     | on request | on request     | on request    | on request    |
| Cable assemblies        | Device connector cable Male – free end | ✓              | on request | ✓              | on request    | on request    |
|                         | Connection cable Female – free end     | ✓              | on request | ✓              | on request    | on request    |
|                         | Extension cable Female – male          | ✓              | on request | ✓              | on request    | on request    |

Connectors, straight  
for cables Ø 7.1 – 13 mm<sup>2)</sup>

Female connector

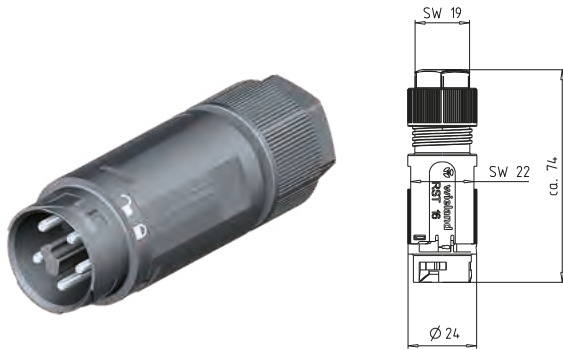


Rated values

|                     |  |
|---------------------|--|
| Rated voltage       | 250/400V   |
| Rated current       | 16A  |
| Rated cross-section | 0.25 to 2.5 mm <sup>2</sup><br>(up to 1.5 mm <sup>2</sup> suitable for ferrules) |
| Approvals           | VDE, cULus, CSA, LR, DNV/GL, RINA, BV  |

| Application           | Coding | Pole marking              | Color        | Part No.      |
|-----------------------|--------|---------------------------|--------------|---------------|
| with screw connection |        |                           |              |               |
| 250/400V              |        | 1, 2, 3, N, PE            | black        | 46.051.4553.1 |
|                       |        | 1, 2, 3, PE <sup>1)</sup> | light gray   | 46.051.4553.0 |
|                       |        | L, N, PE, 1, 2            | turquoise    | 46.051.4554.1 |
|                       |        | 1, 2, 3, 4, 5             | light blue   | 46.051.4554.0 |
| ~50/-120V             |        | 1, 2, 3, 4, 5             | signal brown | 46.051.4553.6 |
|                       |        | 1, 2, 3, 4 <sup>1)</sup>  | signal brown | 46.051.4553.9 |
|                       |        |                           |              | 46.051.4550.4 |
|                       |        |                           |              | 46.051.4551.4 |

Male connector



Rated values

|                     |  |
|---------------------|--|
| Rated voltage       | 250/400V   |
| Rated current       | 16 A   |
| Rated cross-section | 0.25 to 2.5 mm <sup>2</sup><br>(up to 1.5 mm <sup>2</sup> suitable for ferrules) |
| Approvals           | VDE, cULus, CSA, LR, DNV/GL, RINA, BV  |

| Application           | Coding | Pole marking              | Color        | Part No.      |
|-----------------------|--------|---------------------------|--------------|---------------|
| with screw connection |        |                           |              |               |
| 250/400V              |        | 1, 2, 3, N, PE            | black        | 46.052.4553.1 |
|                       |        | 1, 2, 3, PE <sup>1)</sup> | light gray   | 46.052.4553.0 |
|                       |        | L, N, PE, 1, 2            | turquoise    | 46.052.4554.1 |
|                       |        | 1, 2, 3, 4, 5             | light blue   | 46.052.4554.0 |
| ~50/-120V             |        | 1, 2, 3, 4, 5             | signal brown | 46.052.4553.6 |
|                       |        | 1, 2, 3, 4 <sup>1)</sup>  | signal brown | 46.052.4553.9 |
|                       |        |                           |              | 46.052.4550.4 |
|                       |        |                           |              | 46.052.4551.4 |

<sup>1)</sup> One pole not configured  
<sup>2)</sup> Other diameters available upon request

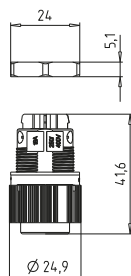


# M20.2 device connector straight

## Female connector



For housing cut-out see  
Technical Data



## Rated values

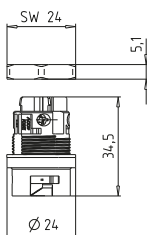
|                     |  |
|---------------------|--|
| Rated voltage       | 250/400V   |
| Rated current       | 16A  |
| Rated cross-section | 0.25 to 2.5 mm <sup>2</sup><br>(up to 1.5 mm <sup>2</sup> suitable for ferrules) |
| Approvals           | VDE, cULus, CSA, LR, DNV/GL, RINA, BV<br>being prepared                          |
| Wall thicknesses    | up to 5 mm   |

| Application                  | Coding | Pole marking              | Color        | Part No.      |
|------------------------------|--------|---------------------------|--------------|---------------|
| <b>with screw connection</b> |        |                           |              |               |
| 250/400V                     |        | 1, 2, 3, N, PE            | black        | 46.051.5053.1 |
|                              |        | 1, 2, 3, PE <sup>1)</sup> | light gray   | 46.051.5053.0 |
|                              |        | L, N, PE, 1, 2            | turquoise    | 46.051.5054.1 |
|                              |        | 1, 2, 3, 4, 5             | light blue   | 46.051.5054.0 |
| ~50/-120V                    |        | 1, 2, 3, 4, 5             | signal brown | 46.051.5053.6 |
|                              |        | 1, 2, 3, 4 <sup>1)</sup>  | signal brown | 46.051.5053.9 |
|                              |        |                           |              | 46.051.5050.4 |
|                              |        |                           |              | 46.051.5051.4 |

## Male connector



For housing cut-out see  
Technical Data



## Rated values

|                     |  |
|---------------------|--|
| Rated voltage       | 250/400V   |
| Rated current       | 16A  |
| Rated cross-section | 0.25 to 2.5 mm <sup>2</sup><br>(up to 1.5 mm <sup>2</sup> suitable for ferrules) |
| Approvals           | VDE, cULus, CSA, LR, DNV/GL, RINA, BV<br>being prepared                          |
| Wall thicknesses    | up to 5 mm   |

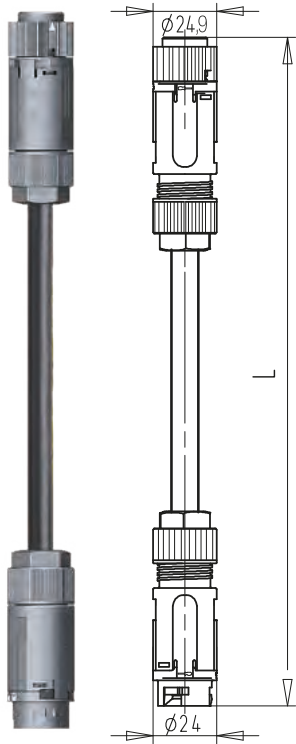
| Application                  | Coding | Pole marking              | Color        | Part No.      |
|------------------------------|--------|---------------------------|--------------|---------------|
| <b>with screw connection</b> |        |                           |              |               |
| 250/400V                     |        | 1, 2, 3, N, PE            | black        | 46.052.5053.1 |
|                              |        | 1, 2, 3, PE <sup>1)</sup> | light gray   | 46.052.5053.0 |
|                              |        | L, N, PE, 1, 2            | turquoise    | 46.052.5054.1 |
|                              |        | 1, 2, 3, 4, 5             | light blue   | 46.052.5054.0 |
| ~50/-120V                    |        | 1, 2, 3, 4, 5             | signal brown | 46.052.5053.6 |
|                              |        | 1, 2, 3, 4 <sup>1)</sup>  | signal brown | 46.052.5053.9 |
|                              |        |                           |              | 46.052.5050.4 |
|                              |        |                           |              | 46.052.5051.4 |

<sup>1)</sup> One pole not configured

Cable assemblies  
1.5 mm²; 16 A

| Rated values            |                  |                  | Connection type of cable |  | cable gland |
|-------------------------|------------------|------------------|--------------------------|--|-------------|
| Wire ends               | (open cable end) | ultrason. welded | Interlock                |  | integrated  |
| Sheath strip length     | (open cable end) | 35 mm            | Color cable              |  | black       |
| Insulation strip length | (open cable end) | 9 mm             | Color handle shell       |  | black       |

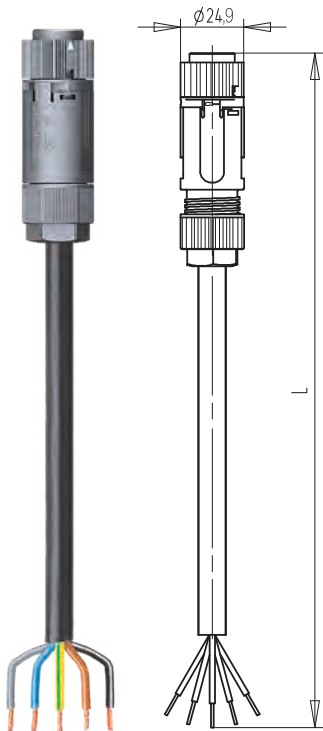
Connection cables female – male



| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br><br>containing halogen | 0.5      | 46.452.0500.1 | 46.452.0500.6 |
|  | 1        | 46.452.1000.1 | 46.452.1000.6 |
|  | 2        | 46.452.2000.1 | 46.452.2000.6 |
|  | 3        | 46.452.3000.1 | 46.452.3000.6 |
|  | 4        | 46.452.4000.1 | 46.452.4000.6 |
|  | 5        | 46.452.5000.1 | 46.452.5000.6 |

| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br><br>containing halogen | 0.5      | 46.452.0530.1 | 46.452.0530.6 |
|  | 1        | 46.452.1030.1 | 46.452.1030.6 |
|  | 2        | 46.452.2030.1 | 46.452.2030.6 |
|  | 3        | 46.452.3030.1 | 46.452.3030.6 |
|  | 4        | 46.452.4030.1 | 46.452.4030.6 |
|  | 5        | 46.452.5030.1 | 46.452.5030.6 |

Connection cables female – free end

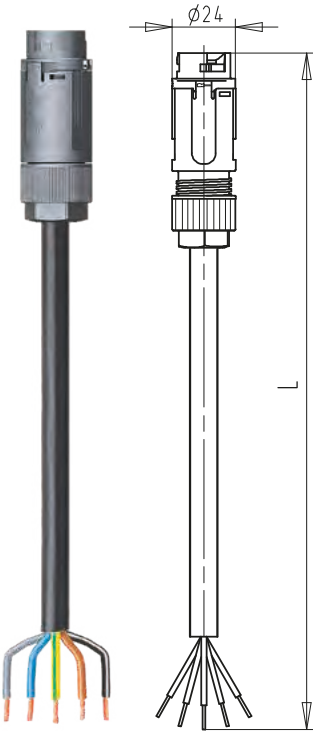


| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br><br>containing halogen | 0.5      | 46.452.0503.1 | 46.452.0503.6 |
|  | 1        | 46.452.1003.1 | 46.452.1003.6 |
|  | 2        | 46.452.2003.1 | 46.452.2003.6 |
|  | 3        | 46.452.3003.1 | 46.452.3003.6 |
|  | 4        | 46.452.4003.1 | 46.452.4003.6 |
|  | 5        | 46.452.5003.1 | 46.452.5003.6 |

| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br><br>containing halogen | 0.5      | 46.452.0533.1 | 46.452.0533.6 |
|  | 1        | 46.452.1033.1 | 46.452.1033.6 |
|  | 2        | 46.452.2033.1 | 46.452.2033.6 |
|  | 3        | 46.452.3033.1 | 46.452.3033.6 |
|  | 4        | 46.452.4033.1 | 46.452.4033.6 |
|  | 5        | 46.452.5033.1 | 46.452.5033.6 |

Cable assemblies  
1.5 mm²; 16 A

Connection cables male – free end



250/400V  
black  
5-pole



250V  
turquoise  
5-pole



| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br><br>containing halogen | 0.5      | 46.452.0504.1 | 46.452.0504.6 |
|  | 1        | 46.452.1004.1 | 46.452.1004.6 |
|  | 2        | 46.452.2004.1 | 46.452.2004.6 |
|  | 3        | 46.452.3004.1 | 46.452.3004.6 |
|  | 4        | 46.452.4004.1 | 46.452.4004.6 |
|  | 5        | 46.452.5004.1 | 46.452.5004.6 |

| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br><br>containing halogen | 0.5      | 46.452.0534.1 | 46.452.0534.6 |
|  | 1        | 46.452.1034.1 | 46.452.1034.6 |
|  | 2        | 46.452.2034.1 | 46.452.2034.6 |
|  | 3        | 46.452.3034.1 | 46.452.3034.6 |
|  | 4        | 46.452.4034.1 | 46.452.4034.6 |
|  | 5        | 46.452.5034.1 | 46.452.5034.6 |



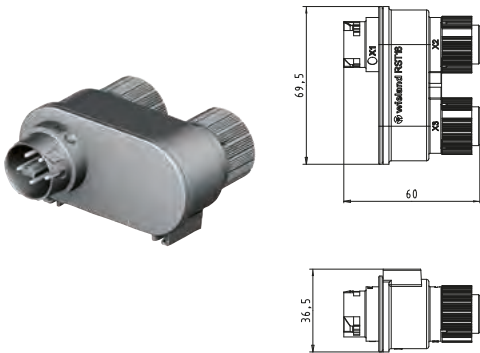
Distribution units

|                            |                     |                 |                     |
|----------------------------|---------------------|-----------------|---------------------|
| Compact distribution units |                     | pre-wired with  | 1.5 mm <sup>2</sup> |
| Dimensions                 | 104 x 162 x 57.2 mm | Mounting option | yes                 |



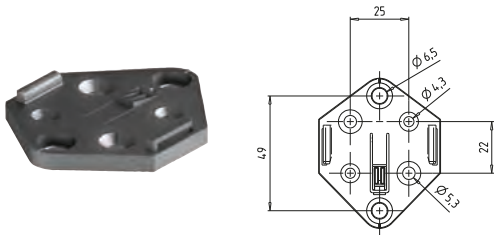
| Color            | Application             | Pole marking   | Input | Outputs | Part No.      |
|------------------|-------------------------|----------------|-------|---------|---------------|
| ■ black          | 250/400V                | 1, 2, 3, N, PE | 1     | 3       | 46.050.0153.1 |
| ■ light gray     | 250/400V                | 1, 2, 3, N, PE | 1     | 3       | 46.050.0153.0 |
| ■ black          | 250/400V <sup>1)</sup>  | 1, 2, 3, PE    | 1     | 3       | 46.050.0154.1 |
| ■ light gray     | 250/400V <sup>1)</sup>  | 1, 2, 3, PE    | 1     | 3       | 46.050.0154.0 |
| ■ turquoise blue | 250V                    | L, N, PE, 1, 2 | 1     | 3       | 46.050.0153.6 |
| ■ light blue     | 250/400V                | 1, 2, 3, 4, 5  | 1     | 3       | 46.050.0153.9 |
| ■ signal brown   | ~50/-120V               | 1, 2, 3, 4, 5  | 1     | 3       | 46.050.0150.4 |
| ■ signal brown   | ~50/-120V <sup>1)</sup> | 1, 2, 3, 4     | 1     | 3       | 46.050.0151.4 |

|                          |  |                 |                              |
|--------------------------|--|-----------------|------------------------------|
| Distribution block 1I/2O |  | Mounting option | with separate mounting plate |
|--------------------------|--|-----------------|------------------------------|



| Color            | Application             | Pole marking   | Input | Outputs | Part No.      |
|------------------|-------------------------|----------------|-------|---------|---------------|
| ■ black          | 250/400V                | 1, 2, 3, N, PE | 1     | 2       | 46.050.1253.1 |
| ■ light gray     | 250/400V                | 1, 2, 3, N, PE | 1     | 2       | 46.050.1253.0 |
| ■ black          | 250/400V <sup>1)</sup>  | 1, 2, 3, PE    | 1     | 2       | 46.050.1254.1 |
| ■ light gray     | 250/400V <sup>1)</sup>  | 1, 2, 3, PE    | 1     | 2       | 46.050.1254.0 |
| ■ turquoise blue | 250V                    | L, N, PE, 1, 2 | 1     | 2       | 46.050.1253.6 |
| ■ light blue     | 250/400V                | 1, 2, 3, 4, 5  | 1     | 2       | 46.050.1253.9 |
| ■ signal brown   | ~50/-120V               | 1, 2, 3, 4, 5  | 1     | 2       | 46.050.1250.4 |
| ■ signal brown   | ~50/-120V <sup>1)</sup> | 1, 2, 3, 4     | 1     | 2       | 46.050.1251.4 |

|                                       |  |
|---------------------------------------|--|
| Mounting plate for distribution block |  |
|---------------------------------------|--|



| Color        | Part No.      |
|--------------|---------------|
| ■ black      | 06.562.5853.1 |
| ■ light gray | 06.562.5853.0 |



## Accessories

### Cover caps

**For the safe closure of female and male connectors.**

With mounting strap for snapping onto plug connectors and device connectors

for female

for male



### not captive against loss

| Color        | for female                | for male                  |
|--------------|---------------------------|---------------------------|
| ■ light gray | Part No.<br>06.563.9053.0 | Part No.<br>06.563.9253.0 |
| ■ black      | 06.563.9053.1             | 06.563.9253.1             |

for female

for male



### captive against loss

| Color        | for female                | for male                  |
|--------------|---------------------------|---------------------------|
| ■ light gray | Part No.<br>06.563.9153.0 | Part No.<br>06.563.9353.0 |
| ■ black      | 06.563.9153.1             | 06.563.9353.1             |

The previous version with plug on function is under known Part no. available until 12/2018.

### Sample kit

Contents:

- Connectors
- Device connectors
- Contact parts in various codings
- Cover caps
- Distributor



| Name       | Part No.      |
|------------|---------------|
| Sample kit | 99.675.0000.0 |

### Sample kit SMI

**RST®/gesis®** SMI sample kit, shows fitting parts for SMI applications combined out of the installation systems RST16 and GST18.

- Content system RST16: version 5 pole in turquoise blue and 4 pole in signal brown: connectors and device connectors in female and male part with cover pieces, distributor 11/20 with mounting plate.
- Content system GST18: version 5 pole in pastel blue: flat cable with adapter, T-distributor 11/20, connector female and male part.



| Name           | Part No.      |
|----------------|---------------|
| Sample kit SMI | 99.688.0000.0 |

## Technical data **RST**<sup>®</sup> MINI

|                        | <b>RST16i2/3</b>       | <b>RST16i4/5</b>       |
|------------------------|------------------------|------------------------|
| <b>Rated voltage</b>   | <b>250/400V</b>        | <b>250/400V</b>        |
| <b>Rated current</b>   | <b>16A</b>             | <b>16A</b>             |
| <b>Number of poles</b> | <b>2- bzw. 3-polig</b> | <b>4- bzw. 5-polig</b> |

### Connector

#### temperature range:

-40 °C to +100 °C

#### Material:

Contact parts: brass, surface-treated  
Housing parts: Polyamide, halogen-free, V2  
Sealing material: NBR

#### Pollution degree:

3 (when connected)

#### Degree of protection:

IP66/68 (3m; 2h)/69

#### IK-Code:

IK07 (2 Joule)

#### Plugging cycles:

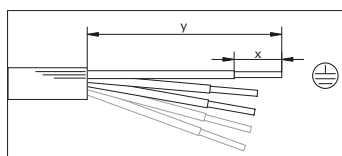
according to IEC 61535  
100x without load and  
50x under nominal load (cos phi = 0.6)

#### Approvals:

VDE (IEC 61535)  
UL (UL 2238 / UL 1977)  
CSA (C22.2 No.182.1 / C22.2 No.182.3)  
RINA, LR, DNV/GL, BV

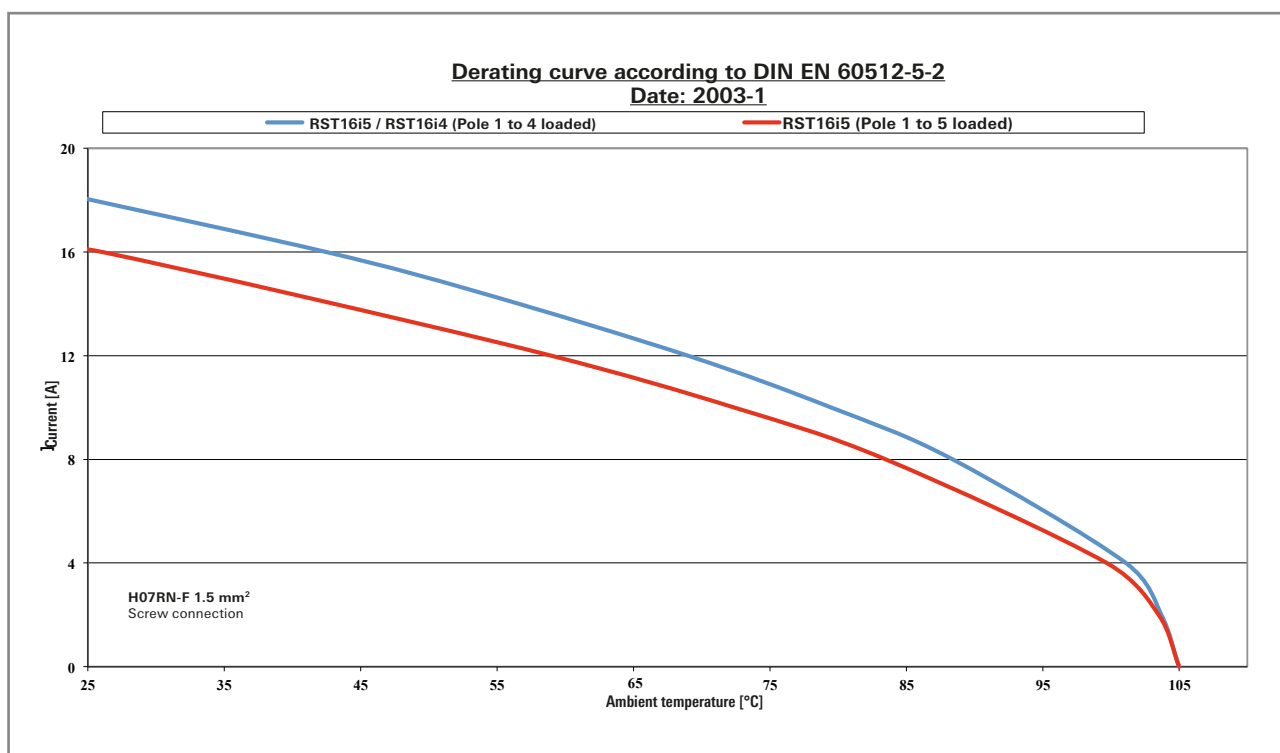
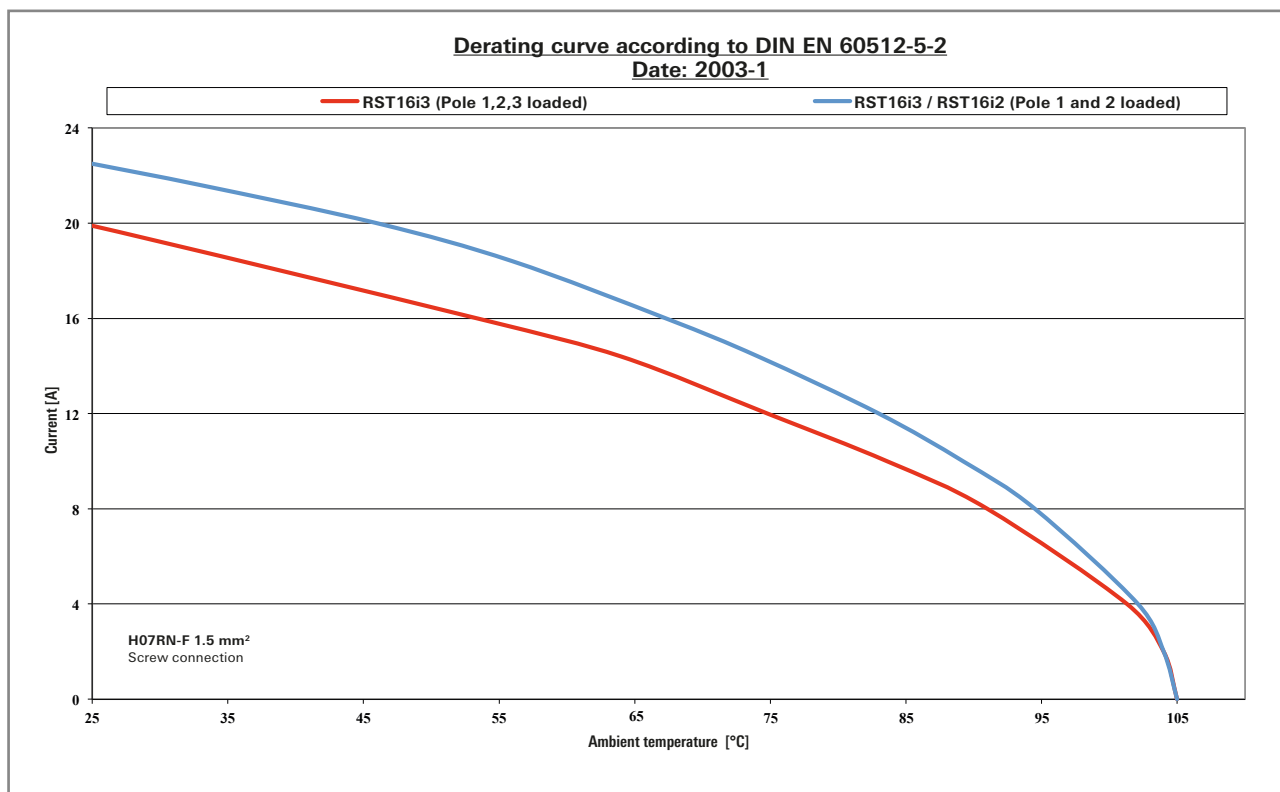
## Wire strip lengths

fine-stranded (suitable for ferrules)



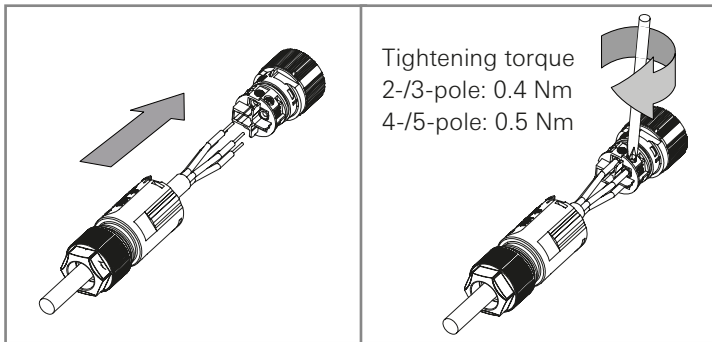
| Conductor                  | PE | N, L, 1, 2, 3 |
|----------------------------|----|---------------|
| Sheath strip length y (mm) | 30 | 25            |
| Wire strip length x (mm)   | 8  | 8             |



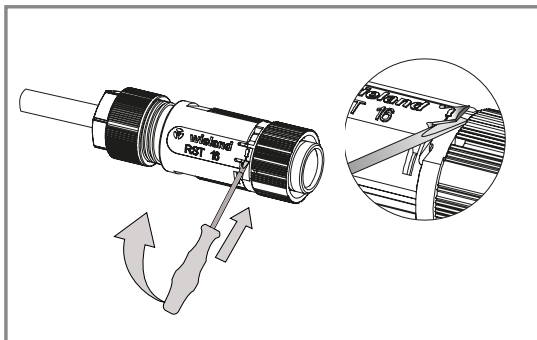


## Connectors 2-/3- and 4-/5-pole

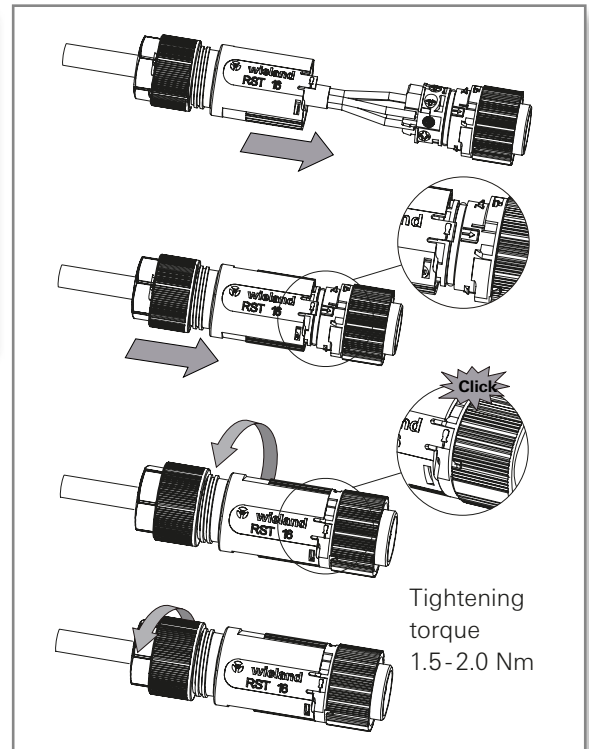
### Wire connection



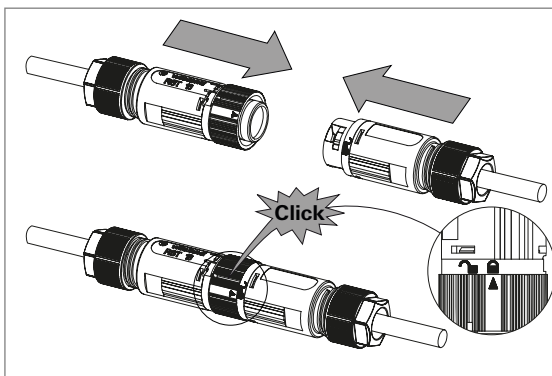
### Opening the connector



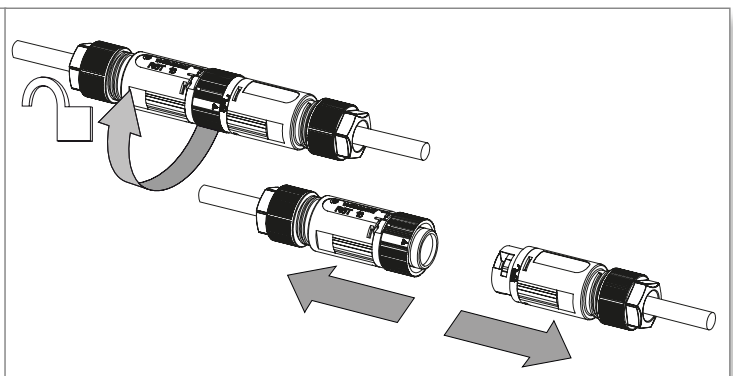
### Closing



### Plugging and locking



### Unlocking and separating

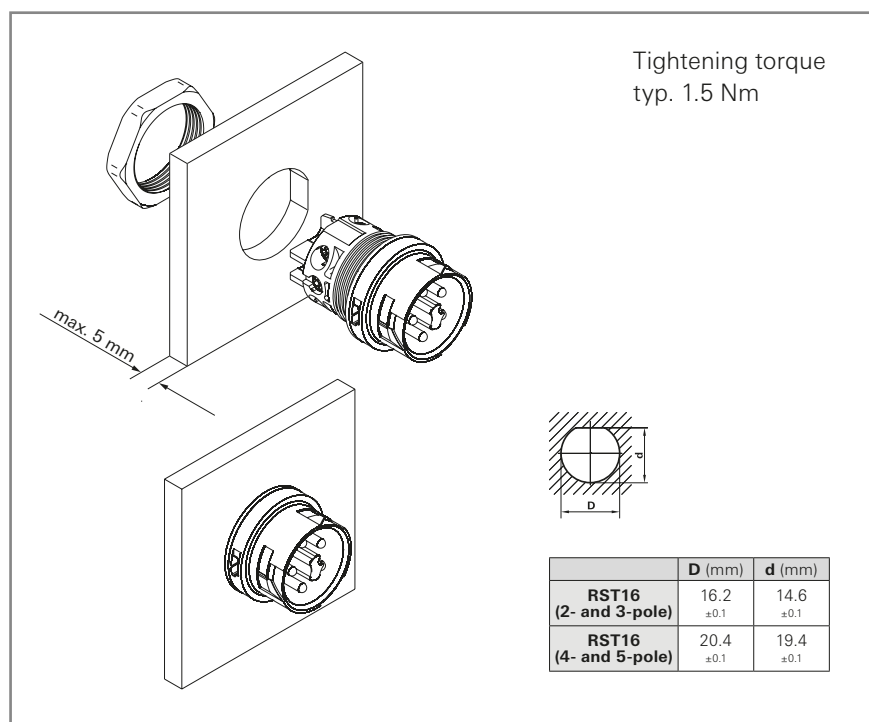


Please note that electrical connections and installation shall only be done by trained experts.  
Observe the included installation instructions!

The corresponding installation instruction BA000960 can be found online in the download section of the respective product under: [eshop.wieland-electric.com](http://eshop.wieland-electric.com)

## Device connections 2-/3- and 4-/5-pole

### Housing installation



















Please note that electrical connections and installation shall only be done by trained experts.  
Observe the included installation instructions!

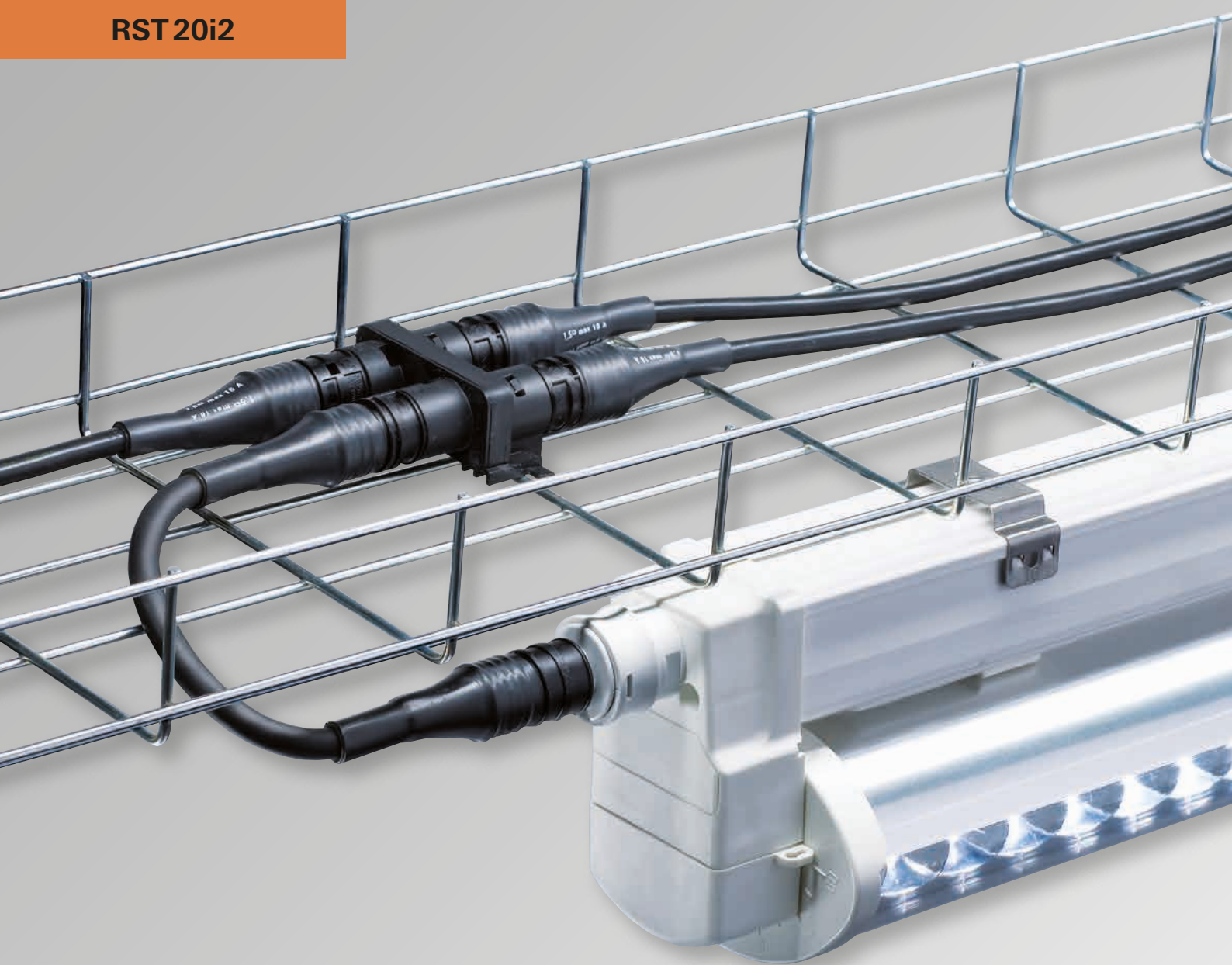
The corresponding installation instruction BA000960 can be found online in the download section of the respective product under: [eshop.wieland-electric.com](http://eshop.wieland-electric.com)



# Overview matrix **RST® CLASSIC**. Codings and applications at a glance

|  |  | RST 20i2  |   |   | RST 20i3   |   |   |   | RST 25i3  |
|--|--|---|---|---|--|---|---|---|---|
|  |  | 2-pole, 20A   |   |   | 3-pole, 20A  |   |   |   | 3-pole, 32A   |
| Pole marking                               |  | L, N  | +, -  | 1, 2  | L, N, ⊕  | 1, 2, ⊕   | 1, 2, 3   | 1, 2, ⊕   | L, N, ⊕   |
| Application                                |  | 250V<br>black or light gray   | ~50/-120V<br>pebble gray  | ~50/-120V<br>signal brown   | 250V<br>black or light gray  | 250/400V<br>leaf green  | 250/400V<br>light blue  | ~50/-120V<br>signal brown   | 250V<br>concrete gray   |
| Contact insert<br>male and female          |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Spring clamp (F)<br>Screw (S)<br>Crimp (C) |  | F<br>S  | S   | F<br>S  | F<br>S<br>C  | F<br>S  | F<br>S  | F<br>S  | S   |
| Connectors                                 | 1 x cable entry  | Ø 6 – 10 mm   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |   |
|  |  | Ø 10 – 14 mm  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |
|  |  | Ø 13 – 18 mm  |   |   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |   | <input checked="" type="checkbox"/>   |
|  |  | Flat cable<br>13 x 6 mm   | <input checked="" type="checkbox"/>   |   |  |   |   |   |   |
|  | 2 x cable entry  | AS-i<br>profile cable   |   | <input checked="" type="checkbox"/>   |  |   |   |   |   |
|  |  | Ø 6 – 10 mm   | <input checked="" type="checkbox"/>   |   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |   | <input checked="" type="checkbox"/>   |
| Device connectors                          | 1 piece  | Ø 10 – 14 mm  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |   | <input checked="" type="checkbox"/>   |
|  |  | AS-i<br>profile cable   |   |   |  |   |   |   |   |
|  | 2 piece  | M25   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |
|  |  | M16<br>straight   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |
|  |  | M16<br>7° angled  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |
|  |  | M20<br>straight   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |
|  |  | M20<br>angled   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |
|  |  | M25<br>angled   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |
| Distrib.<br>units                          | Distribution block<br>1 I/3 O                                  |   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   |   | <input checked="" type="checkbox"/>   |   |
|  | RST® compact/<br>multi-distribution units                      |   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |
|  | Individual<br>distribution box                                 |   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |
| Cable<br>assemblies                        | Expansion cable<br>Female – Male                               |   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |
|  | Power connection<br>Female – Free end                          |   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |
|  | Power connection<br>Male – Free end                            |   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   |
|  | Power connection<br>Safety plug – female                       |   |   |   | <input checked="" type="checkbox"/>  |   |   |   |   |
|  | Power cable/contour cable<br>European connector, SKII – female |   | <input checked="" type="checkbox"/>   |   |  |   |   |   |   |

**RST<sup>®</sup> CLASSIC**

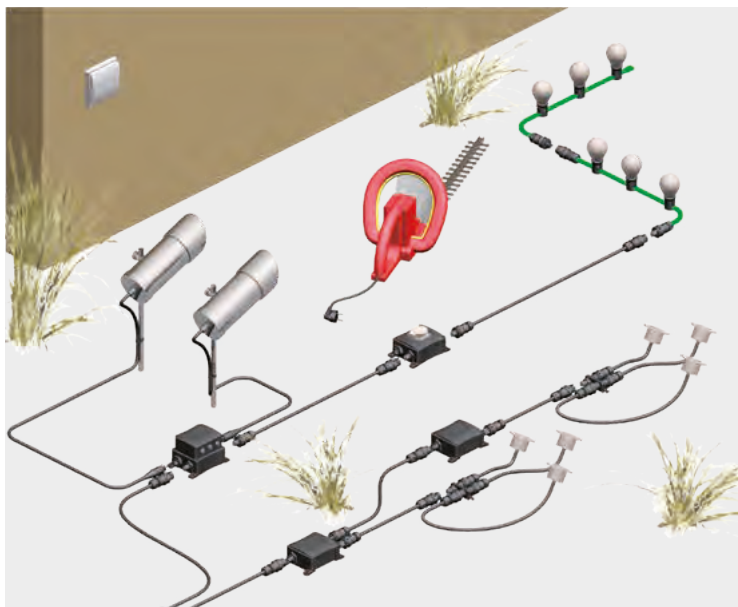




# Applications in the range of protection class II and extra-low voltage for industry and LED technology



## Application example



You therefore have the security of a clear separation of different applications without having to redo any incorrect connections. The color of the connectors indicates the links that belong together.









































































## General

The two-pole connectors are based on the 3-pole variant, but with one pole not configured.

There are essentially two variants. One coding can be used for protection class II applications and is downwardly compatible with the 3-pole system with ground conductor (RST 20i3). This makes it possible to transition from a system with earthing contact to a 2-pole system – but not the other way round!

The other version is aimed at applications in the extra-low voltage range, such as serial or parallel LED wiring, or at industrial applications with 24 V auxiliary power and AS-i. All connectors are mechanically coded. This means that only associated pairs of male and female can be connected with the correct polarity.

## Coding

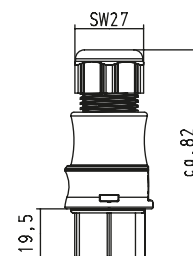
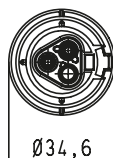
|  |  |                     |                          |                               |   |   |   |   |  |
|--|--|---------------------|--------------------------|-------------------------------|---|---|---|---|--|
| For daily updates visit the website at<br>http://eshop.wieland-electric.com.<br>Assembly instructions and other technical information can be found<br>in the Technical Data or in eShop. |  |                     |                          |                               | Application   | 250V  |   | ~50/-120V   |  |
|  |  |                     |                          |                               | Mechanical<br>coding  | L, N  | +, -  | 1, 2  |  |
|  |  |                     |                          |                               |   |   |  |  |  |
| Name   | Description  | Connection<br>style | Strain relief<br>housing | Connection points<br>per pole | light gray  | black   | pebble<br>gray  | signal<br>brown   |  |
| Connector  | 1 x cable entry  | Screw               | yes                      | 1                             |  |  |  |  |  |
|  |  | Spring clamp        |                          | 2                             |  |  |  |  |  |
|  | 2 x cable entry  | Screw               | yes                      | 1                             |  |  |  |  |  |
|  |  | Spring clamp        |                          | 2                             |  |  |  |  |  |
| Distribution<br>units  | Distribution block<br>1/1/3 0                            |                     |                          |                               |  |  |  |  |  |
|  | RST compact distribution<br>unit/multi-distribution unit |                     |                          |                               |  |  | on request  |  |  |
|  | Individual distribution box                              |                     |                          |                               | on request  | on request  | on request  | on request  |  |
|  | Series distribution unit<br>for power LEDs               |                     |                          |                               |   |   |   |  |  |
| Device<br>connectors   | M16 device connector,<br>modular, straight               |                     |                          |                               |  |  |  |  |  |
|  | M16 device connector,<br>modular, angled 7°              |                     |                          |                               |  |  |  |  |  |
|  | M25 device connector,<br>standard                        |                     |                          |                               |  |  |  |  |  |
|  | M20 device connector,<br>standard                        |                     |                          |                               |  |  |  |  |  |
|  | M20 device connector,<br>modular, straight               |                     |                          |                               |  |  |  |  |  |
|  | M25 device connector,<br>modular, angled                 |                     |                          |                               |  |  |  |  |  |
|  |  |                     |                          |                               |   |   |   |   |  |
| Cable<br>assemblies  | Connection cable<br>Male – Free end                      | pre-<br>assembled   | pre-<br>assembled        | pre-<br>assembled             |  |  |  |  |  |
|  | Connection cable<br>Female – Free end                    | pre-<br>assembled   | pre-<br>assembled        | pre-<br>assembled             |  |  |  |  |  |
|  | Connection cable<br>Male – Female                        | pre-<br>assembled   | pre-<br>assembled        | pre-<br>assembled             |  |  |  |  |  |
|  | Connection cable<br>Europ. conn. SK II – Female          | pre-<br>assembled   | pre-<br>assembled        | pre-<br>assembled             |  |  |  |  |  |
|  | Round cable  | pre-<br>assembled   | pre-<br>assembled        | pre-<br>assembled             |  |  |  |  |  |
|  | AS-i profile cable                                       | pre-<br>assembled   | pre-<br>assembled        | pre-<br>assembled             |   |   |  |   |  |
|  |  |                     |                          |                               |   |   |   |   |  |

## Connectors, straight for cables Ø 6 – 10 mm and 10 – 14 mm

### Female connector

Unmounted with cable gland.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



#### with spring clamp connection

| Wire          | mm <sup>2</sup> | Ferrules      |
|---------------|-----------------|---------------|
| rigid         | 0.5 – 2.5       |               |
| fine-stranded | 0.5 – 1.5       | with ferrules |
| stranded      | 0.75 – 1.5      | with ferrules |

#### with screw connection<sup>1)</sup>

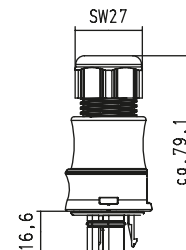
| Wire          | mm <sup>2</sup>          |                  |
|---------------|--------------------------|------------------|
| rigid         |                          |                  |
| fine-stranded | 0.75 – 6.0 <sup>2)</sup> | without ferrules |
| stranded      |                          | without ferrules |

| Application | Coding | Cable diameter in mm                                      | Color        | Part No.      | Part No.      |
|-------------|--------|---|--------------|---------------|---------------|
| 250V        | L, N   | 6 – 10  | light gray   | 96.021.0053.0 | 96.021.4053.0 |
|             |        |   | black        | 96.021.0053.1 | 96.021.4053.1 |
|             |        | 10 – 14   | light gray   | 96.021.0153.0 | 96.021.4153.0 |
|             | 1, 2   |   | black        | 96.021.0153.1 | 96.021.4153.1 |
|             |        | Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5 <sup>2</sup> | light gray   | 96.021.0453.0 | 96.021.4453.0 |
|             |        |   | black        | 96.021.0453.1 | 96.021.4453.1 |
| ~50/-120V   | +, -   | 6 – 10  | leaf green   | on request    | 96.021.4055.7 |
|             |        |   |              | on request    | 96.021.4155.7 |
|             |        | 10 – 14   | leaf green   |               |               |
|             | 1, 2   | Round cable 6 – 10  | pebble gray  | 96.021.0050.8 | 96.021.4050.8 |
|             |        | AS-i profile cable  | pebble gray  | 96.021.0950.8 | 96.021.4950.8 |
|             |        | 6 – 10  | signal brown | 96.021.0051.4 | 96.021.4051.4 |
|             |        | AS-i profile cable  | signal brown | 96.021.0951.4 | 96.021.4951.4 |
|             |        | Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5 <sup>2</sup> | signal brown | 96.021.0451.4 | 96.021.4451.4 |

### Male connector

Unmounted with cable gland and locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



#### with spring clamp connection

| Wire          | mm <sup>2</sup> | Ferrules      |
|---------------|-----------------|---------------|
| rigid         | 0.5 – 2.5       |               |
| fine-stranded | 0.5 – 1.5       | with ferrules |
| stranded      | 0.75 – 1.5      | with ferrules |

#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>          |                  |
|---------------|--------------------------|------------------|
| rigid         |                          |                  |
| fine-stranded | 0.75 – 6.0 <sup>2)</sup> | without ferrules |
| stranded      |                          | without ferrules |

| Application | Coding | Cable diameter in mm                                      | Color        | Part No.      | Part No.      |
|-------------|--------|---|--------------|---------------|---------------|
| 250V        | N, L   | 6 – 10  | light gray   | 96.022.0053.0 | 96.022.4053.0 |
|             |        |   | black        | 96.022.0053.1 | 96.022.4053.1 |
|             |        | 10 – 14   | light gray   | 96.022.0153.0 | 96.022.4153.0 |
|             | 1, 2   |   | black        | 96.022.0153.1 | 96.022.4153.1 |
|             |        | Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5 <sup>2</sup> | light gray   | 96.022.0453.0 | 96.022.4453.0 |
|             |        |   | black        | 96.022.0453.1 | 96.022.4453.1 |
| ~50/-120V   | -, +   | 6 – 10  | leaf green   | on request    | 96.022.4055.7 |
|             |        |   |              | on request    | 96.022.4155.7 |
|             |        | 10 – 14   | leaf green   |               |               |
|             | 2, 1   | Round cable 6 – 10  | pebble gray  | 96.022.0050.8 | 96.022.4050.8 |
|             |        | AS-i profile cable  | pebble gray  | 96.022.0950.8 | 96.022.4950.8 |
|             |        | 6 – 10  | signal brown | 96.022.0051.4 | 96.022.4051.4 |
|             |        | AS-i profile cable  | signal brown | 96.022.0951.4 | 96.022.4951.4 |
|             |        | Illumination cable 13.3x5.3 H05RNH2-F2 x 1.5 <sup>2</sup> | signal brown | 96.022.0451.4 | 96.022.4451.4 |

<sup>1)</sup> With wire protection available on request

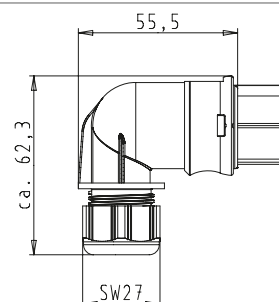
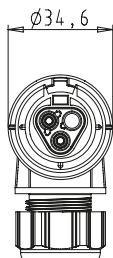
<sup>2)</sup> With 6.0 mm<sup>2</sup> wires, the pull and bending forces at the connector must be taken into consideration and compensated using suitable measures if required. See also chapter on Technical Data and eShop.

## Connectors, angled 90° for cables Ø 6 – 10 mm and 10 – 14 mm

### Female connector

Unmounted with cable gland.  
90° angle.

See the Technical Data for insulation strip  
lengths as well as the ferrules to be used.






#### with spring clamp connection

| Wire          | mm <sup>2</sup> | Ferrules      |
|---------------|-----------------|---------------|
| rigid         | 0.5 – 2.5       |               |
| fine-stranded | 0.5 – 1.5       | with ferrules |
| stranded      | 0.75 – 1.5      | with ferrules |

#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>          |                  |
|---------------|--------------------------|------------------|
| rigid         |                          |                  |
| fine-stranded | 0.75 – 6.0 <sup>2)</sup> | without ferrules |
| stranded      |                          | without ferrules |

| Application | Coding   | Cable diameter in mm   | Color        |
|-------------|--|--|--------------|
| 250V        |  L, N  | 6 – 10   | light gray   |
|             |  |  | black        |
|             |  | 10 – 14  | light gray   |
|             |  |  | black        |
| ~50/-120V   |  +, - | Illumination cable 13.3x5.3<br>H05RNH2-F2 x 1.5 <sup>2</sup> | light gray   |
|             |  |  | black        |
|             |  1, 2 | Round cable 6 – 10   | pebble gray  |
|             |  | AS-i profile cable   | pebble gray  |
|             |  | 6 – 10   | signal brown |
|             |  | AS-i profile cable   | signal brown |
|             |  | Illumination cable 13.3x5.3<br>H05RNH2-F2 x 1.5 <sup>2</sup> | signal brown |

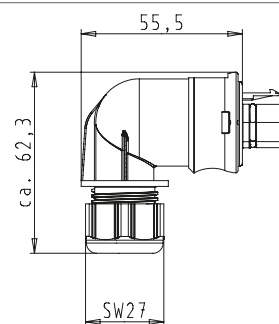
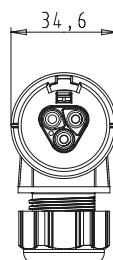
| Part No.      |
|---------------|
| 96.023.0053.0 |
| 96.023.0053.1 |
| 96.023.0153.0 |
| 96.023.0153.1 |
| 96.023.0453.0 |
| 96.023.0453.1 |
| 96.023.0050.8 |
| 96.023.0950.8 |
| 96.023.0051.4 |
| 96.023.0951.4 |
| 96.023.0451.4 |

| Part No.      |
|---------------|
| 96.023.4053.0 |
| 96.023.4053.1 |
| 96.023.4153.0 |
| 96.023.4153.1 |
| 96.023.4453.0 |
| 96.023.4453.1 |
| 96.023.4050.8 |
| 96.023.4950.8 |
| 96.023.4051.4 |
| 96.023.4951.4 |
| 96.023.4451.4 |

### Male connector

Unmounted with cable gland.  
90° angle.

See the Technical Data for insulation strip  
lengths as well as the ferrules to be used.






#### with spring clamp connection

| Wire          | mm <sup>2</sup> | Ferrules      |
|---------------|-----------------|---------------|
| rigid         | 0.5 – 2.5       |               |
| fine-stranded | 0.5 – 1.5       | with ferrules |
| stranded      | 0.75 – 1.5      | with ferrules |

#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>          |                  |
|---------------|--------------------------|------------------|
| rigid         |                          |                  |
| fine-stranded | 0.75 – 6.0 <sup>2)</sup> | without ferrules |
| stranded      |                          | without ferrules |

| Application | Coding   | Cable diameter in mm   | Color        |
|-------------|--|--|--------------|
| 250V        |  N, L | 6 – 10   | light gray   |
|             |  |  | black        |
|             |  | 10 – 14  | light gray   |
|             |  |  | black        |
| ~50/-120V   |  -, + | Illumination cable 13.3x5.3<br>H05RNH2-F2 x 1.5 <sup>2</sup> | light gray   |
|             |  |  | black        |
|             |  2, 1 | Round cable 6 – 10   | pebble gray  |
|             |  | AS-i profile cable   | pebble gray  |
|             |  | 6 – 10   | signal brown |
|             |  | AS-i profile cable   | signal brown |
|             |  | Illumination cable 13.3x5.3<br>H05RNH2-F2 x 1.5 <sup>2</sup> | signal brown |

| Part No.      |
|---------------|
| 96.024.0053.0 |
| 96.024.0053.1 |
| 96.024.0153.0 |
| 96.024.0153.1 |
| 96.024.0453.0 |
| 96.024.0453.1 |
| 96.024.0050.8 |
| 96.024.0950.8 |
| 96.024.0051.4 |
| 96.024.0951.4 |
| 96.024.0451.4 |

| Part No.      |
|---------------|
| 96.024.4053.0 |
| 96.024.4053.1 |
| 96.024.4153.0 |
| 96.024.4153.1 |
| 96.024.4453.0 |
| 96.024.4453.1 |
| 96.024.4050.8 |
| 96.024.4950.8 |
| 96.024.4051.4 |
| 96.024.4951.4 |
| 96.024.4451.4 |

<sup>1)</sup> With wire protection available on request

<sup>2)</sup> With 6.0 mm<sup>2</sup> wires, the pull and bending forces at the connector must be taken into consideration and compensated using suitable measures if required.  
See also chapter on Technical Data and eShop.

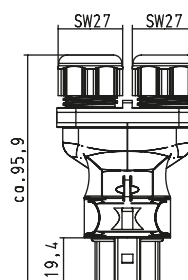
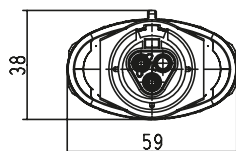


## Splitter connector, straight for cables Ø 6 – 10 mm and 10 – 14 mm

### Female connector

Unmounted with cable gland.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.





#### with spring clamp connection

| Wire          | mm <sup>2</sup> | Ferrules      |
|---------------|-----------------|---------------|
| rigid         | 0.5 – 2.5       |               |
| fine-stranded | 0.5 – 1.5       | with ferrules |
| stranded      | 0.75 – 1.5      | with ferrules |

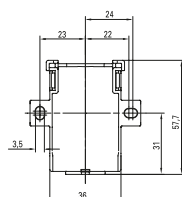
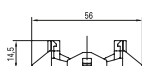
#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup> |                  |
|---------------|-----------------|------------------|
| rigid         |                 |                  |
| fine-stranded | 0.75 – 2.5      | without ferrules |
| stranded      |                 | without ferrules |

| Application | Coding   | Cable diameter in mm   | Color                        |
|-------------|--|--|------------------------------|
| 250V        |  L, N  | 6 – 10   | light gray<br>black          |
|             |  | 10 – 14  | light gray<br>black          |
|             |  | Illumination cable 13.3x5.3<br>H05RNH2-F2 x 1.5 <sup>2</sup> | light gray<br>black          |
| ~50/-120V   |  1, 2 | 6 – 10   | signal brown<br>signal brown |
|             |  | AS-i profile cable   | signal brown                 |
|             |  | Illumination cable 13.3x5.3<br>H05RNH2-F2 x 1.5 <sup>2</sup> | signal brown                 |

| Part No.      | Part No.      |
|---------------|---------------|
| 96.021.0253.0 | 96.021.4253.0 |
| 96.021.0253.1 | 96.021.4253.1 |
| 96.021.0353.0 | 96.021.4353.0 |
| 96.021.0353.1 | 96.021.4353.1 |
| on request    | on request    |
| on request    | on request    |
| 96.021.0251.4 | 96.021.4251.4 |
| 96.021.0351.4 | 96.021.4351.4 |
| on request    | on request    |

### Mounting plate for splitter connectors



| Color   | Part No.      |
|---------|---------------|
| ■ gray  | 01.006.1553.0 |
| ■ black | 01.006.1553.1 |

<sup>1)</sup> With wire protection available on request

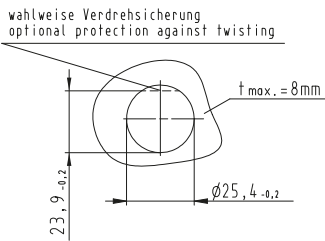
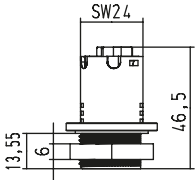
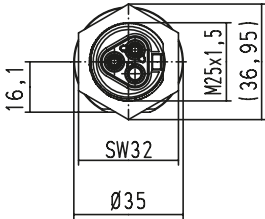
M25 device connector  
straight, standard

Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from outside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.

For spacer rings for unlocking at the device connetor, see Accessories.



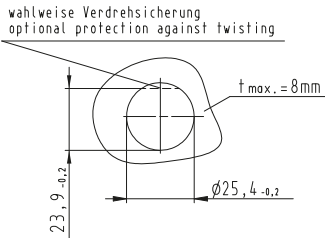
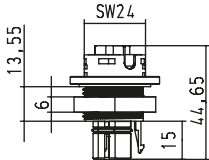
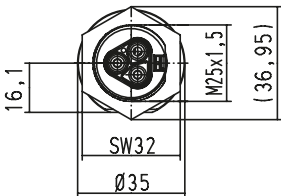
| Application | Coding | Color        |
|-------------|--------|--------------|
| 250V        | L, N   | light gray   |
|             | —      | black        |
|             | —      | pebble gray  |
| ~50/-120V   | 1, 2   | signal brown |

| with spring clamp connection |                 |               | with screw connection <sup>1)</sup> |                 |                  |
|------------------------------|-----------------|---------------|-------------------------------------|-----------------|------------------|
| Wire                         | mm <sup>2</sup> | Ferrules      | Wire                                | mm <sup>2</sup> |                  |
| rigid                        | 0.5 – 2.5       |               | rigid                               |                 |                  |
| fine-stranded                | 0.5 – 1.5       | with ferrules | fine-stranded                       | 0.75 – 6.0      | without ferrules |
| stranded                     | 0.75 – 1.5      | with ferrules | stranded                            |                 | without ferrules |
| Term. poles                  | 2               |               | Term. poles                         | 1               |                  |
| Thread                       | M25 x 1.5       |               | Thread                              | M25 x 1.5       |                  |
| Gland                        | outside         |               | Gland                               | outside         |                  |
| Part No.                     |                 |               | Part No.                            |                 |                  |
| 96.021.1053.0                |                 |               | 96.021.5053.0                       |                 |                  |
| 96.021.1053.1                |                 |               | 96.021.5053.1                       |                 |                  |
| 96.021.1050.8                |                 |               | 96.021.5050.8                       |                 |                  |
| 96.021.1051.4                |                 |               | 96.021.5051.4                       |                 |                  |

Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from outside.  
With locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



| Application | Coding | Color        |
|-------------|--------|--------------|
| 250V        | N, L   | light gray   |
|             | —      | black        |
|             | —      | pebble gray  |
| ~50/-120V   | 1, 2   | signal brown |

| with spring clamp connection |                 |               | with screw connection <sup>1)</sup> |                          |                  |
|------------------------------|-----------------|---------------|-------------------------------------|--------------------------|------------------|
| Wire                         | mm <sup>2</sup> | Ferrules      | Wire                                | mm <sup>2</sup>          |                  |
| rigid                        | 0.5 – 2.5       |               | rigid                               |                          |                  |
| fine-stranded                | 0.5 – 1.5       | with ferrules | fine-stranded                       | 0.75 – 6.0 <sup>1)</sup> | without ferrules |
| stranded                     | 0.75 – 1.5      | with ferrules | stranded                            |                          | without ferrules |
| Term. poles                  | 2               |               | Term. poles                         | 1                        |                  |
| Thread                       | M25 x 1.5       |               | Thread                              | M25 x 1.5                |                  |
| Gland                        | outside         |               | Gland                               | outside                  |                  |
| Part No.                     |                 |               | Part No.                            |                          |                  |
| 96.022.1053.0                |                 |               | 96.022.5053.0                       |                          |                  |
| 96.022.1053.1                |                 |               | 96.022.5053.1                       |                          |                  |
| 96.022.1050.8                |                 |               | 96.022.5058.8                       |                          |                  |
| 96.022.1051.4                |                 |               | 96.022.5051.4                       |                          |                  |

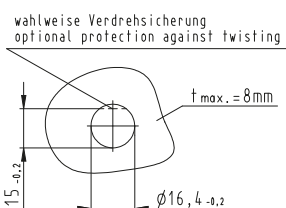
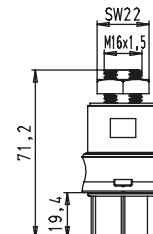
<sup>1)</sup> With wire protection available on request

# M16 device connector straight, modular

## Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



| Application | Coding | Color               |
|-------------|--------|---------------------|
| 250V        | L, N   | light gray<br>black |
| ~50/-120V   | +, -   | pebble gray         |
|             | 1, 2   | signal brown        |

### with spring clamp connection

| Wire          | mm <sup>2</sup> | Ferrules                       |
|---------------|-----------------|--------------------------------|
| rigid         | 0.5 – 2.5       |                                |
| fine-stranded | 0.5 – 1.5       | with ferrules<br>with ferrules |
| stranded      | 0.75 – 1.5      |                                |
| Term. poles   | 2               |                                |
| Thread        | M16 x 1.5       |                                |
| Gland         | inside          |                                |

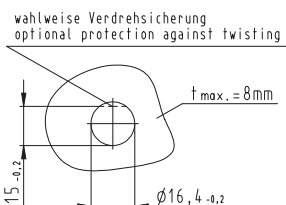
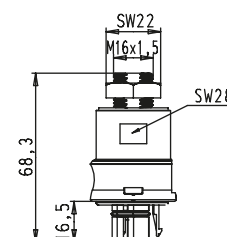
### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup> |                                      |
|---------------|-----------------|--------------------------------------|
| rigid         |                 |                                      |
| fine-stranded | 0.75 – 6.0      | without ferrules<br>without ferrules |
| stranded      |                 |                                      |
| Term. poles   | 1               |                                      |
| Thread        | M16 x 1.5       |                                      |
| Gland         | inside          |                                      |

## Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.  
With locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



| Application | Coding | Color               |
|-------------|--------|---------------------|
| 250V        | N, L   | light gray<br>black |
| ~50/-120V   | -, +   | pebble gray         |
|             | 1, 2   | signal brown        |

### with spring clamp connection

| Wire          | mm <sup>2</sup> | Ferrules                       |
|---------------|-----------------|--------------------------------|
| rigid         | 0.5 – 2.5       |                                |
| fine-stranded | 0.5 – 1.5       | with ferrules<br>with ferrules |
| stranded      | 0.75 – 1.5      |                                |
| Term. poles   | 2               |                                |
| Thread        | M16 x 1.5       |                                |
| Gland         | inside          |                                |

### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup> |                                      |
|---------------|-----------------|--------------------------------------|
| rigid         |                 |                                      |
| fine-stranded | 0.75 – 6.0      | without ferrules<br>without ferrules |
| stranded      |                 |                                      |
| Term. poles   | 1               |                                      |
| Thread        | M16 x 1.5       |                                      |
| Gland         | inside          |                                      |

<sup>1)</sup> With wire protection available on request

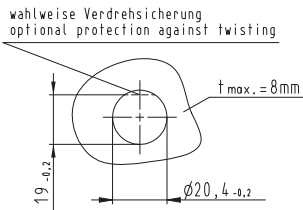
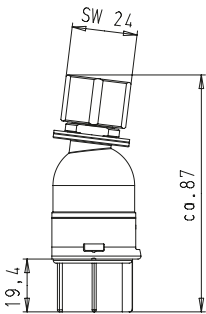






M16 device connector  
angled 7°, modular

Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.  
With locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.

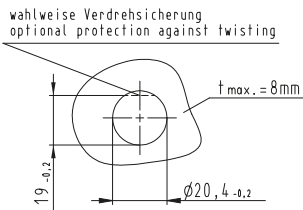
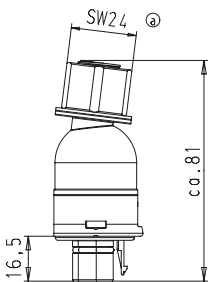






| Application |  |  | Coding   |  |  | Color        |  |  | Part No.      |  |  |
|-------------|--|--|--|--|--|--------------|--|--|---------------|--|--|
| 250V        |  |  |  L, N |  |  | light gray   |  |  | 96.025.2153.0 |  |  |
|             |  |  |  +, - |  |  | black        |  |  | 96.025.2153.1 |  |  |
|             |  |  |       |  |  | pebble gray  |  |  |               |  |  |
| ~50/-120V   |  |  |  1, 2 |  |  | signal brown |  |  | 96.025.2151.4 |  |  |

Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.  
With locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



| Application |  |  | Coding   |  |  | Color        |  |  | Part No.      |  |  |
|-------------|--|--|--|--|--|--------------|--|--|---------------|--|--|
| 250V        |  |  |  N, L |  |  | light gray   |  |  | 96.026.2153.0 |  |  |
|             |  |  |       |  |  | black        |  |  | 96.026.2153.1 |  |  |
|             |  |  |       |  |  | pebble gray  |  |  | 96.026.2150.8 |  |  |
| ~50/-120V   |  |  |  1, 2 |  |  | signal brown |  |  | 96.026.2151.4 |  |  |

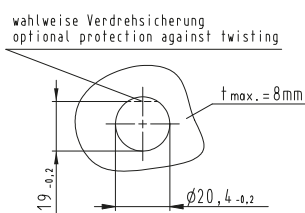
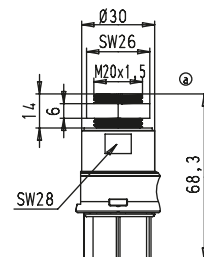
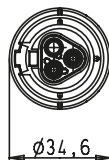
<sup>1)</sup> With wire protection available on request

## M20 device connector straight, modular

### Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



| Application | Coding | Color        |
|-------------|--------|--------------|
| 250V        | L, N   | light gray   |
|             | +, -   | black        |
| ~50/-120V   | 1, 2   | signal brown |

#### with spring clamp connection

| Wire          | mm <sup>2</sup> | Ferrules      |
|---------------|-----------------|---------------|
| rigid         | 0.5 – 2.5       |               |
| fine-stranded | 0.5 – 1.5       | with ferrules |
| stranded      | 0.75 – 1.5      | with ferrules |
| Term. poles   | 2               |               |
| Thread        | M20 x 1.5       |               |
| Gland         | inside          |               |

#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup> |                  |
|---------------|-----------------|------------------|
| rigid         |                 |                  |
| fine-stranded | 0.75 – 6.0      | without ferrules |
| stranded      |                 | without ferrules |
| Term. poles   | 1               |                  |
| Thread        | M20 x 1.5       |                  |
| Gland         | inside          |                  |

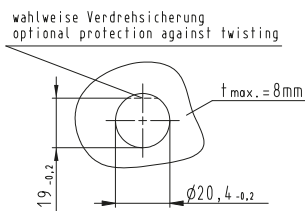
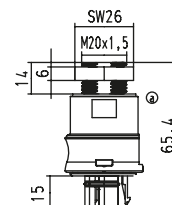
| Part No.      |
|---------------|
| 96.021.2053.0 |
| 96.021.2053.1 |
| 96.021.2051.4 |

| Part No.      |
|---------------|
| 96.021.6053.0 |
| 96.021.6053.1 |
| 96.021.6050.8 |
| 96.021.6051.4 |

### Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.  
With locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



| Application | Coding | Color        |
|-------------|--------|--------------|
| 250V        | L, N   | light gray   |
|             | +, -   | black        |
| ~50/-120V   | 1, 2   | signal brown |

#### with spring clamp connection

| Wire          | mm <sup>2</sup> | Ferrules      |
|---------------|-----------------|---------------|
| rigid         | 0.5 – 2.5       |               |
| fine-stranded | 0.5 – 1.5       | with ferrules |
| stranded      | 0.75 – 1.5      | with ferrules |
| Term. poles   | 2               |               |
| Thread        | M20 x 1.5       |               |
| Gland         | inside          |               |

#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup> |                  |
|---------------|-----------------|------------------|
| rigid         |                 |                  |
| fine-stranded | 0.75 – 6.0      | without ferrules |
| stranded      |                 | without ferrules |
| Term. poles   | 1               |                  |
| Thread        | M20 x 1.5       |                  |
| Gland         | inside          |                  |

| Part No.      |
|---------------|
| 96.022.2053.0 |
| 96.022.2053.1 |
| 96.022.2051.4 |

| Part No.      |
|---------------|
| 96.022.6053.0 |
| 96.022.6053.1 |
| 96.022.6050.8 |
| 96.022.6051.4 |

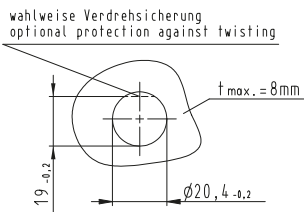
<sup>1)</sup> With wire protection available on request

M20 device connector  
angled 90°, modular

Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. 90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



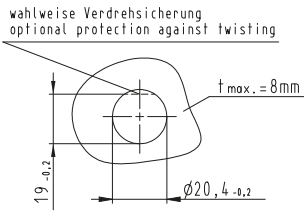
| Application | Coding | Color               |
|-------------|--------|---------------------|
| 250V        | L, N   | light gray<br>black |
| ~50/-120V   | +, -   | pebble gray         |
|             | 1, 2   | signal brown        |

| with spring clamp connection |                 |               | with screw connection <sup>1)</sup> |                 |                  |
|------------------------------|-----------------|---------------|-------------------------------------|-----------------|------------------|
| Wire                         | mm <sup>2</sup> | Ferrules      | Wire                                | mm <sup>2</sup> |                  |
| rigid                        | 0.5 – 2.5       |               | rigid                               |                 |                  |
| fine-stranded                | 0.5 – 1.5       | with ferrules | fine-stranded                       | 0.75 – 6.0      | without ferrules |
| stranded                     | 0.75 – 1.5      | with ferrules | stranded                            |                 | without ferrules |
| Term. poles                  | 2               |               | Term. poles                         | 1               |                  |
| Thread                       | M20 x 1.5       |               | Thread                              | M20 x 1.5       |                  |
| Gland                        | inside          |               | Gland                               | inside          |                  |
| Part No.                     |                 |               | Part No.                            |                 |                  |
| 96.023.2053.0                |                 |               | 96.023.6053.0                       |                 |                  |
| 96.023.2053.1                |                 |               | 96.023.6053.1                       |                 |                  |
| 96.023.2050.8                |                 |               | 96.023.6050.8                       |                 |                  |
| 96.023.2051.4                |                 |               | 96.023.6051.4                       |                 |                  |

Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. With locking device. 90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



| Application | Coding | Color               |
|-------------|--------|---------------------|
| 250V        | L, N   | light gray<br>black |
| ~50/-120V   | +, -   | pebble gray         |
|             | 1, 2   | signal brown        |

| with spring clamp connection |                 |               | with screw connection <sup>1)</sup> |                 |                  |
|------------------------------|-----------------|---------------|-------------------------------------|-----------------|------------------|
| Wire                         | mm <sup>2</sup> | Ferrules      | Wire                                | mm <sup>2</sup> |                  |
| rigid                        | 0.5 – 2.5       |               | rigid                               |                 |                  |
| fine-stranded                | 0.5 – 1.5       | with ferrules | fine-stranded                       | 0.75 – 6.0      | without ferrules |
| stranded                     | 0.75 – 1.5      | with ferrules | stranded                            |                 | without ferrules |
| Term. poles                  | 2               |               | Term. poles                         | 1               |                  |
| Thread                       | M20 x 1.5       |               | Thread                              | M20 x 1.5       |                  |
| Gland                        | inside          |               | Gland                               | inside          |                  |
| Part No.                     |                 |               | Part No.                            |                 |                  |
| 96.024.2053.0                |                 |               | 96.024.6053.0                       |                 |                  |
| 96.024.2053.1                |                 |               | 96.024.6053.1                       |                 |                  |
| 96.024.2050.8                |                 |               | 96.024.6050.8                       |                 |                  |
| 96.024.2051.4                |                 |               | 96.024.6051.4                       |                 |                  |

<sup>1)</sup> With wire protection available on request

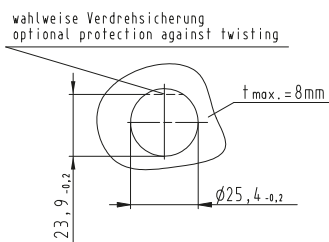
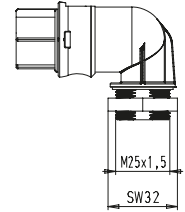
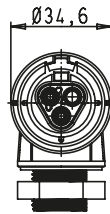





## M25 device connector angled 90°, modular

### Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. 90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



| Application | Coding   | Color               |
|-------------|--|---------------------|
| 250V        |  L, N | light gray<br>black |
| ~50/-120V   |  +, - | pebble gray         |
|             |  1, 2 | signal brown        |

#### with spring clamp connection

| Wire          | mm <sup>2</sup> | Ferrules                       |
|---------------|-----------------|--------------------------------|
| rigid         | 0.5 – 2.5       |                                |
| fine-stranded | 0.5 – 1.5       | with ferrules<br>with ferrules |
| stranded      | 0.75 – 1.5      |                                |
| Term. poles   | 2               |                                |
| Thread        | M25 x 1.5       |                                |
| Gland         | inside          |                                |

#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup> |                                      |
|---------------|-----------------|--------------------------------------|
| rigid         |                 |                                      |
| fine-stranded | 0.75 – 6.0      | without ferrules<br>without ferrules |
| stranded      |                 |                                      |
| Term. poles   | 1               |                                      |
| Thread        | M25 x 1.5       |                                      |
| Gland         | inside          |                                      |

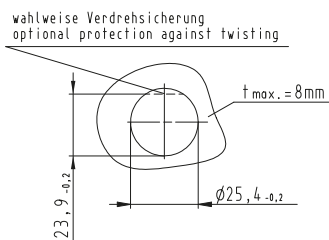
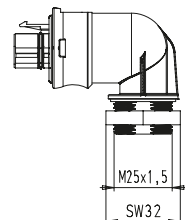
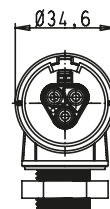
| Part No.      |
|---------------|
| 96.023.2253.0 |
| 96.023.2253.1 |
| 96.023.2250.8 |
| 96.023.2251.4 |




| Part No.      |
|---------------|
| 96.023.6253.0 |
| 96.023.6253.1 |
| 96.023.6250.8 |
| 96.023.6251.4 |

### Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. With locking device. 90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



| Application | Coding   | Color               |
|-------------|--|---------------------|
| 250V        |  L, N | light gray<br>black |
| ~50/-120V   |  +, - | pebble gray         |
|             |  1, 2 | signal brown        |

#### with spring clamp connection

| Wire          | mm <sup>2</sup> | Ferrules                       |
|---------------|-----------------|--------------------------------|
| rigid         | 0.5 – 2.5       |                                |
| fine-stranded | 0.5 – 1.5       | with ferrules<br>with ferrules |
| stranded      | 0.75 – 1.5      |                                |
| Term. poles   | 2               |                                |
| Thread        | M25 x 1.5       |                                |
| Gland         | inside          |                                |

#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup> |                                      |
|---------------|-----------------|--------------------------------------|
| rigid         |                 |                                      |
| fine-stranded | 0.75 – 6.0      | without ferrules<br>without ferrules |
| stranded      |                 |                                      |
| Term. poles   | 1               |                                      |
| Thread        | M25 x 1.5       |                                      |
| Gland         | inside          |                                      |

| Part No.      |
|---------------|
| 96.024.2253.0 |
| 96.024.2253.1 |
| 96.024.2250.8 |
| 96.024.2251.4 |

| Part No.      |
|---------------|
| 96.024.6253.0 |
| 96.024.6253.1 |
| 96.024.6250.8 |
| 96.024.6251.4 |

<sup>1)</sup> With wire protection available on request

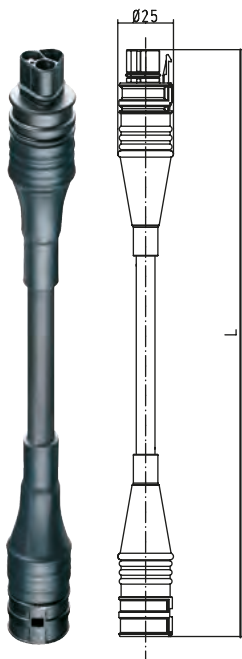


## Cable assemblies

### Cable 2 x 1.5 mm<sup>2</sup>; 16 A

| Rated values        |                  |                  | Pull relief          |  | shrinkage tube |
|---------------------|------------------|------------------|----------------------|--|----------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock            |  | integrated     |
| Sheath strip length | (open cable end) | 35 mm            | Color cable          |  | black          |
| Wire strip length   | (open cable end) | 9 mm             | Color shrinkage tube |  | black          |

#### Connection cables female – male



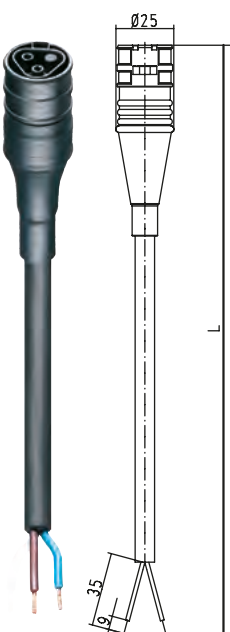
2-pole connectors – one pole is not configured.



| Cable  | Length m | Part No.      | Part No.      | Part No.   |
|--|----------|---------------|---------------|------------|
| <b>PVC cable</b><br><b>H05VV-F</b><br><br>containing halogen | 1        | 96.222.1000.1 | 96.222.1002.4 | on request |
|  | 2        | 96.222.2000.1 | 96.222.2002.4 |            |
|  | 3        | 96.222.3000.1 | 96.222.3002.4 |            |
|  | 4        | 96.222.4000.1 | 96.222.4002.4 |            |
|  | 5        | 96.222.5000.1 | 96.222.5002.4 |            |
|  | 6        | 96.222.6000.1 | 96.222.6002.4 |            |
|  | 7        | 96.222.7000.1 | 96.222.7002.4 |            |
|  | 8        | 96.222.8000.1 | 96.222.8002.4 |            |

| Cable  | Length m | Part No.      | Part No.      | Part No.   |
|--|----------|---------------|---------------|------------|
| <b>Rubber-sheathed cable</b><br><b>H07RN-F</b><br><br>containing halogen | 1        | 96.222.1030.1 | 96.222.1032.4 | on request |
|  | 2        | 96.222.2030.1 | 96.222.2032.4 |            |
|  | 3        | 96.222.3030.1 | 96.222.3032.4 |            |
|  | 4        | 96.222.4030.1 | 96.222.4032.4 |            |
|  | 5        | 96.222.5030.1 | 96.222.5032.4 |            |
|  | 6        | 96.222.6030.1 | 96.222.6032.4 |            |
|  | 7        | 96.222.7030.1 | 96.222.7032.4 |            |
|  | 8        | 96.222.8030.1 | 96.222.8032.4 |            |

#### Connection cables female – free end



2-pole connectors – one pole is not configured.



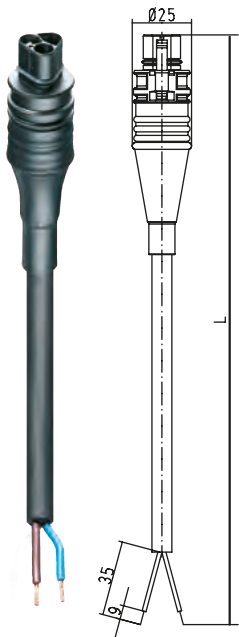
| Cable  | Length m | Part No.      | Part No.      | Part No.   |
|--|----------|---------------|---------------|------------|
| <b>PVC cable</b><br><b>H05VV-F</b><br><br>containing halogen | 1        | 96.222.1003.1 | 96.222.1007.4 | on request |
|  | 2        | 96.222.2003.1 | 96.222.2007.4 |            |
|  | 3        | 96.222.3003.1 | 96.222.3007.4 |            |
|  | 4        | 96.222.4003.1 | 96.222.4007.4 |            |
|  | 5        | 96.222.5003.1 | 96.222.5007.4 |            |
|  | 6        | 96.222.6003.1 | 96.222.6007.4 |            |
|  | 7        | 96.222.7003.1 | 96.222.7007.4 |            |
|  | 8        | 96.222.8003.1 | 96.222.8007.4 |            |




| Cable  | Length m | Part No.      | Part No.      | Part No.   |
|--|----------|---------------|---------------|------------|
| <b>Rubber-sheathed cable</b><br><b>H07RN-F</b><br><br>containing halogen | 1        | 96.222.1033.1 | 96.222.1037.4 | on request |
|  | 2        | 96.222.2033.1 | 96.222.2037.4 |            |
|  | 3        | 96.222.3033.1 | 96.222.3037.4 |            |
|  | 4        | 96.222.4033.1 | 96.222.4037.4 |            |
|  | 5        | 96.222.5033.1 | 96.222.5037.4 |            |
|  | 6        | 96.222.6033.1 | 96.222.6037.4 |            |
|  | 7        | 96.222.7033.1 | 96.222.7037.4 |            |
|  | 8        | 96.222.8033.1 | 96.222.8037.4 |            |



Cable assemblies  
Cable 2 x 1.5 mm<sup>2</sup>; 16 A

Connection cables male – free end



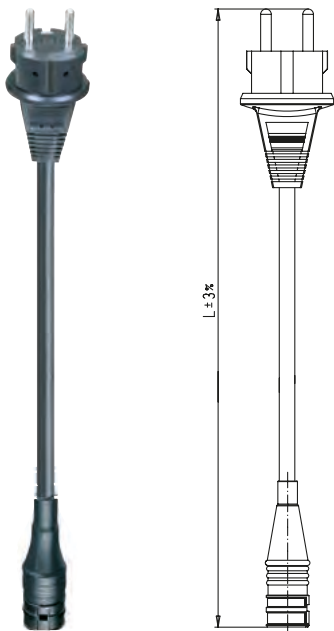
| 250V<br>black  | ~50/-120V<br>signal brown  | ~50/-120V<br>pebble gray   |
|--|--|--|
|  N = BU<br>L = BN |  1 = BU<br>2 = BN |  - = BU<br>+ = BN |

| Cable  | Length m | Part No.      | Part No.      | Part No.   |
|--|----------|---------------|---------------|------------|
| <b>PVC cable<br/>H05VV-F</b><br><br>containing halogen             | 1        | 96.222.1004.1 | 96.222.1008.4 | on request |
|  | 2        | 96.222.2004.1 | 96.222.2008.4 |            |
|  | 3        | 96.222.3004.1 | 96.222.3008.4 |            |
|  | 4        | 96.222.4004.1 | 96.222.4008.4 |            |
|  | 5        | 96.222.5004.1 | 96.222.5008.4 |            |
|  | 6        | 96.222.6004.1 | 96.222.6008.4 |            |
|  | 7        | 96.222.7004.1 | 96.222.7008.4 |            |
|  | 8        | 96.222.8004.1 | 96.222.8008.4 |            |
| Cable  | Length m | Part No.      | Part No.      | Part No.   |
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br><br>containing halogen | 1        | 96.222.1034.1 | 96.222.1038.4 | on request |
|  | 2        | 96.222.2034.1 | 96.222.2038.4 |            |
|  | 3        | 96.222.3034.1 | 96.222.3038.4 |            |
|  | 4        | 96.222.4034.1 | 96.222.4038.4 |            |
|  | 5        | 96.222.5034.1 | 96.222.5038.4 |            |
|  | 6        | 96.222.6034.1 | 96.222.6038.4 |            |
|  | 7        | 96.222.7034.1 | 96.222.7038.4 |            |
|  | 8        | 96.222.8034.1 | 96.222.8038.4 |            |

2-pole connectors – one pole is not configured.

Power Connection cable

Male: CEE 7/17 unearthed plug – female: **RST**®

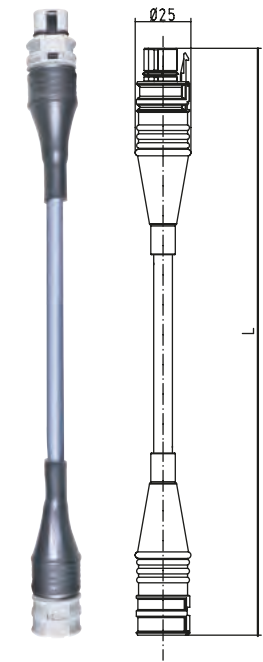


| 250V<br>black  |          |               |
|--|----------|---------------|
| Cable  | Length m | Part No..     |
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 1.5      | 99.708.0000.7 |
|  |          |               |
|  |          |               |
|  |          |               |

Cable assemblies  
Cable 2 x 1.5 mm<sup>2</sup>; 16 A

| Rated values        |                  |                  | Pull relief          |  | shrinkage tube |
|---------------------|------------------|------------------|----------------------|--|----------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock            |  | integrated     |
| Sheath strip length | (open cable end) | 35 mm            | Color cable          |  | gray           |
| Wire strip length   | (open cable end) | 9 mm             | Color shrinkage tube |  | black          |

Connection cables female – male

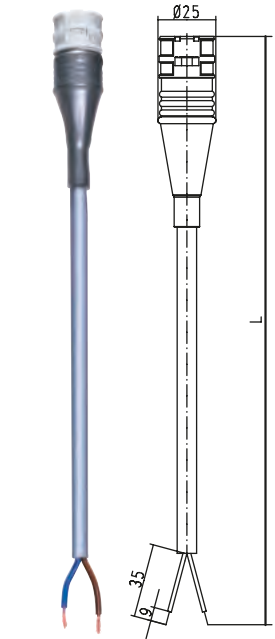


2-pole connectors – one pole is not configured.



| Cable   | Length m | Part No.      | Part No.      |
|---|----------|---------------|---------------|
| PVC cable<br>Ölflex Classic 100<br>containing halogen | 1        | 96.222.1092.8 | 96.222.1092.4 |
|   | 2        | 96.222.2092.8 | 96.222.2092.4 |
|   | 3        | 96.222.3092.8 | 96.222.3092.4 |
|   | 4        | 96.222.4092.8 | 96.222.4092.4 |
|   | 5        | 96.222.5092.8 | 96.222.5092.4 |
|   | 6        | 96.222.6092.8 | 96.222.6092.4 |
|   | 7        | 96.222.7092.8 | 96.222.7092.4 |
|   | 8        | 96.222.8092.8 | 96.222.8092.4 |

Connection cables female – free end



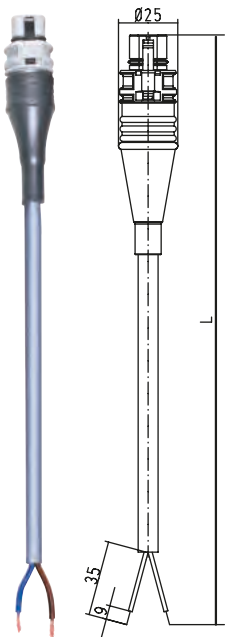
2-pole connectors – one pole is not configured.



| Cable   | Length m | Part No.      | Part No.      |
|---|----------|---------------|---------------|
| PVC cable<br>Ölflex Classic 100<br>containing halogen | 1        | 96.222.1097.8 | 96.222.1097.4 |
|   | 2        | 96.222.2097.8 | 96.222.2097.4 |
|   | 3        | 96.222.3097.8 | 96.222.3097.4 |
|   | 4        | 96.222.4097.8 | 96.222.4097.4 |
|   | 5        | 96.222.5097.8 | 96.222.5097.4 |
|   | 6        | 96.222.6097.8 | 96.222.6097.4 |
|   | 7        | 96.222.7097.8 | 96.222.7097.4 |
|   | 8        | 96.222.8097.8 | 96.222.8097.4 |

Cable assemblies  
Cable 2 x 1.5 mm<sup>2</sup>; 16 A

Connection cables male – free end



2-pole connectors – one pole is not configured.

~50/-120V  
pebble gray



~50/-120V  
signal brown



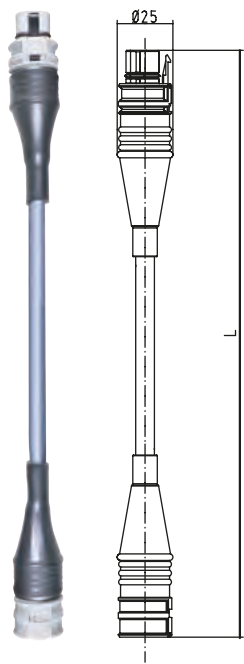
| Cable   | Length m | Part No.      | Part No.      |
|---|----------|---------------|---------------|
| <b>PVC cable</b><br><b>Ölflex Classic 100</b><br><br>containing halogen | 1        | 96.222.1098.8 | 96.222.1098.4 |
|   | 2        | 96.222.2098.8 | 96.222.2098.4 |
|   | 3        | 96.222.3098.8 | 96.222.3098.4 |
|   | 4        | 96.222.4098.8 | 96.222.4098.4 |
|   | 5        | 96.222.5098.8 | 96.222.5098.4 |
|   | 6        | 96.222.6098.8 | 96.222.6098.4 |
|   | 7        | 96.222.7098.8 | 96.222.7098.4 |
|   | 8        | 96.222.8098.8 | 96.222.8098.4 |



Cable assemblies  
Cable 2 x 2.5 mm<sup>2</sup>; 20 A

| Rated values        |                  |                  | Pull relief          |  | shrinkage tube |
|---------------------|------------------|------------------|----------------------|--|----------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock            |  | integrated     |
| Sheath strip length | (open cable end) | 35 mm            | Color cable          |  | gray           |
| Wire strip length   | (open cable end) | 9 mm             | Color shrinkage tube |  | black          |

Connection cables female – male

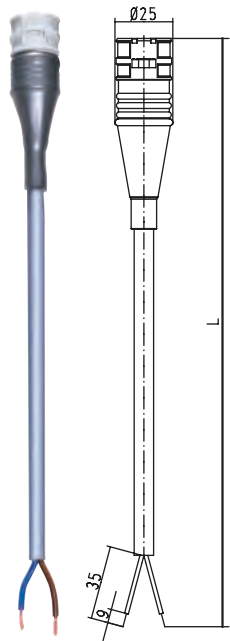


2-pole connectors – one pole is not configured.



| Cable   | Length m | Part No.      | Part No.      |
|---|----------|---------------|---------------|
| <b>PVC cable</b><br><b>Ölflex Classic 100</b><br><br>containing halogen | 1        | 96.223.1092.8 | 96.223.1092.4 |
|   | 2        | 96.223.2092.8 | 96.223.2092.4 |
|   | 3        | 96.223.3092.8 | 96.223.3092.4 |
|   | 4        | 96.223.4092.8 | 96.223.4092.4 |
|   | 5        | 96.223.5092.8 | 96.223.5092.4 |
|   | 6        | 96.223.6092.8 | 96.223.6092.4 |
|   | 7        | 96.223.7092.8 | 96.223.7092.4 |
|   | 8        | 96.223.8092.8 | 96.223.8092.4 |

Connection cables female – free end



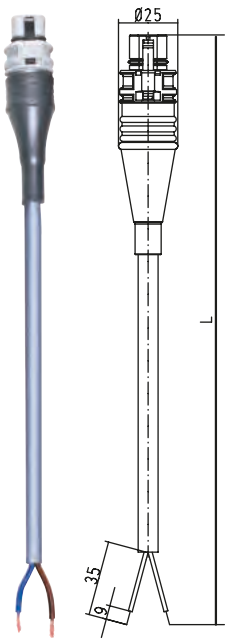
2-pole connectors – one pole is not configured.



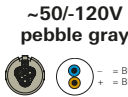
| Cable   | Length m | Part No.      | Part No.      |
|---|----------|---------------|---------------|
| <b>PVC cable</b><br><b>Ölflex Classic 100</b><br><br>containing halogen | 1        | 96.223.1097.8 | 96.223.1097.4 |
|   | 2        | 96.223.2097.8 | 96.223.2097.4 |
|   | 3        | 96.223.3097.8 | 96.223.3097.4 |
|   | 4        | 96.223.4097.8 | 96.223.4097.4 |
|   | 5        | 96.223.5097.8 | 96.223.5097.4 |
|   | 6        | 96.223.6097.8 | 96.223.6097.4 |
|   | 7        | 96.223.7097.8 | 96.223.7097.4 |
|   | 8        | 96.223.8097.8 | 96.223.8097.4 |

Cable assemblies  
Cable 2 x 2.5 mm<sup>2</sup>; 20 A

Connection cables male – free end



2-pole connectors – one pole is not configured.




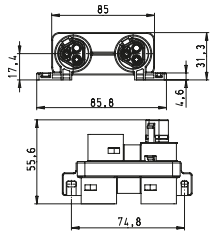
| Cable   | Length m | Part No.      | Part No.      |
|---|----------|---------------|---------------|
| PVC cable<br>Ölflex Classic 100<br><br>containing halogen | 1        | 96.223.1098.8 | 96.223.1098.4 |
|   | 2        | 96.223.2098.8 | 96.223.2098.4 |
|   | 3        | 96.223.3098.8 | 96.223.3098.4 |
|   | 4        | 96.223.4098.8 | 96.223.4098.4 |
|   | 5        | 96.223.5098.8 | 96.223.5098.4 |
|   | 6        | 96.223.6098.8 | 96.223.6098.4 |
|   | 7        | 96.223.7098.8 | 96.223.7098.4 |
|   | 8        | 96.223.8098.8 | 96.223.8098.4 |

# Distribution block

**Distribution block 1I/3O (parallel connection), for protection class II, AS-i or LEDs**


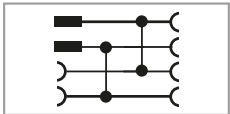
Interlock

Yes

**with fastening option**

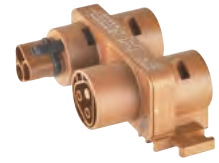
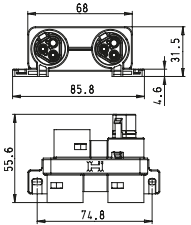
| Color          | Application | Pole marking | Input | Outputs | Part No.      |
|----------------|-------------|--------------|-------|---------|---------------|
| ■ black        | 250V        | L, N         | 1     | 3       | 96.020.0153.1 |
| ■ light grey   | 250V        | L, N         | 1     | 3       | 96.020.0153.0 |
| ■ pebble gray  | ~50/-120V   | +, -         | 1     | 3       | 96.020.0150.8 |
| ■ signal brown | ~50/-120V   | 1, 2         | 1     | 3       | 96.020.0151.4 |

**without fastening option**

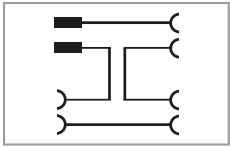
| Color          | Application | Pole marking | Input | Outputs | Part No.      |
|----------------|-------------|--------------|-------|---------|---------------|
| ■ black        | 250V        | L, N         | 1     | 3       | 96.020.0253.1 |
| ■ light grey   | 250V        | L, N         | 1     | 3       | 96.020.0253.0 |
| ■ pebble gray  | ~50/-120V   | +, -         | 1     | 3       | 96.020.0250.8 |
| ■ signal brown | ~50/-120V   | 1, 2         | 1     | 3       | 96.020.0251.4 |


**Distribution block 1 I/3 O (series connection) for power LEDs**

**with fastening option**

| Color          | Application | Pole marking | Input | Outputs | Part No.      |
|----------------|-------------|--------------|-------|---------|---------------|
| ■ signal brown | ~50/-120V   | 1, 2         | 1     | 3       | 99.910.0000.7 |



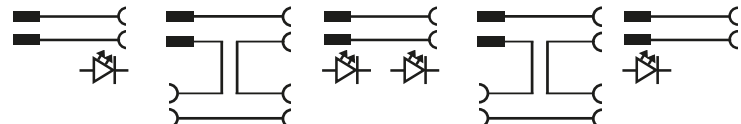


**jumper plug**

| Color          | Application | Pole marking | Part No.      |
|----------------|-------------|--------------|---------------|
| ■ signal brown | ~50/-120V   | 1, 2         | 99.537.0000.7 |

For jumpering od unused slots on the series distribution unit

e.g. circuit diagrams





Distribution unit

|  |                     |                         |                              |
|--|---------------------|-------------------------|------------------------------|
| <b>RST compact distribution unit 1I/20</b> |                     | Fitted as required with | M25 device connectors 2-pole |
| Dimensions                                 | 104 x 162 x 57.2 mm | Pre-wired with          | 2.5 mm² (halogen free)       |
|  |                     | Mounting option         | Yes                          |



Circuit diagram

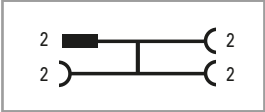


| Color   | Input      | Outputs    | Part No.      |
|---------|------------|------------|---------------|
| ■ black | 1, RST20i2 | 2, RST20i2 | 99.942.0000.7 |

|  |                     |                         |                              |
|--|---------------------|-------------------------|------------------------------|
| <b>Compact distribution unit 1I/30</b> |                     | Fitted as required with | M25 device connectors 2-pole |
| Dimensions                             | 104 x 162 x 57.2 mm | Pre-wired with          | 2.5 mm² (halogen free)       |
|  |                     | Mounting option         | Yes                          |



Circuit diagram

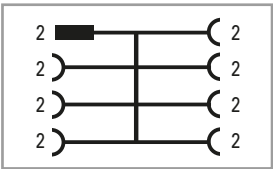


| Color        | Input      | Outputs    | Part No.      |
|--------------|------------|------------|---------------|
| ■ light gray | 1, RST20i2 | 3, RST20i2 | 99.990.0000.7 |
| ■ black      | 1, RST20i2 | 3, RST20i2 | upon request  |

|                                      |                   |                         |                              |
|--------------------------------------|-------------------|-------------------------|------------------------------|
| <b>Multi distribution unit 1I/70</b> |                   | Fitted as required with | M25 device connectors 2-pole |
| Dimensions                           | 104 x 162 x 96 mm | Pre-wired with          | 2,5 mm² (halogen free)       |
|                                      |                   | Fuses                   | 6.3 or 10A can be integrated |



Circuit diagram



| Color          | Input      | Outputs    | Part No.      |
|----------------|------------|------------|---------------|
| ■ signal brown | 1, RST20i2 | 7, RST20i2 | 99.946.0000.7 |
| ■ black        | 1, RST20i2 | 7, RST20i2 | 99.988.0000.7 |

## Connector for pole socket, straight

For cables Ø 6 - 10 mm and Illumination cable 13.3 x 5.3

### Male connector


Unmounted with screwed cable gland.  
Without locking slide Safety Clip.

Sheath stripping and insulation removal  
lengths refer to Technical data.



#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>          |
|---------------|--------------------------|
| rigid         |                          |
| fine-stranded | 0.75 – 6.0 <sup>2)</sup> |
| stranded      |                          |

| Application | Coding  | Ø cable mm   | Color              |
|-------------|---|--|--------------------|
| 250V        |  L, N | 6 – 10<br>for illumination cable 13.3 x 5.3<br>H05RNH2-F2 x 1.5 <sup>2</sup> | black<br><br>black |

#### Part No.

99.592.0000.7

99.593.0000.7

## Cable assembly for pole socket

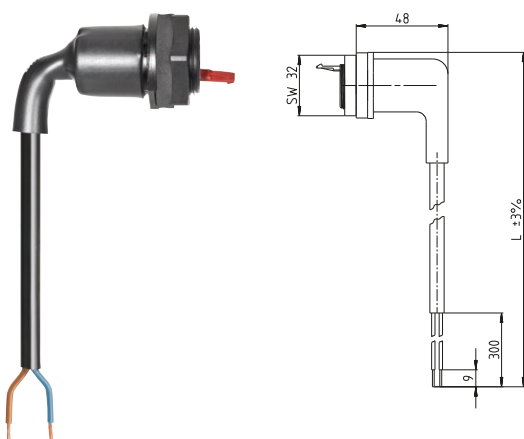
Cable 2 x 1.5 mm<sup>2</sup>; 16 A

### Rated values

|                     |                  |
|---------------------|------------------|
| Wire ends           | ultrason. welded |
| Sheath strip length | 30 mm            |
| Wire strip length   | 9 mm             |

|                      |                |
|----------------------|----------------|
| Pull relief          | shrinkage tube |
| Interlock            | Integrated     |
| Color cable          | black          |
| Color shrinkage tube | black          |

### Connection cables female - free end



250V  
black



| Cable  | Length m | Part No.      |
|--|----------|---------------|
| PVC cable<br>H05VV-F<br><br>containing halogen | 1        | 99.504.0000.7 |
|  | 2        | 99.505.0000.7 |
|  | 3        | 99.506.0000.7 |
|  | 4        | 99.507.0000.7 |
|  | 5        | 99.508.0000.7 |
|  | 6        | 99.511.0000.7 |
|  | 9        | 99.534.0000.7 |

2-pole connectors – one pole is not  
configured.

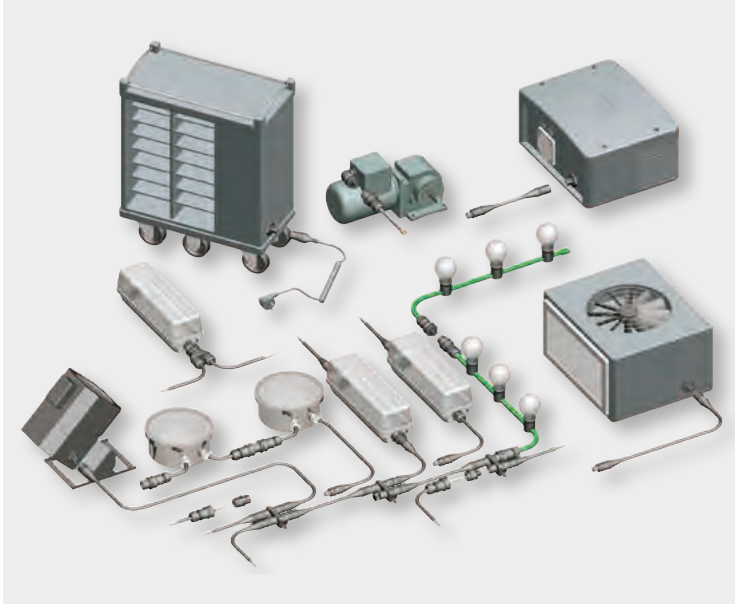






## Standard variant for network applications – polyphase systems, switching applications 250 V and low voltage

### Application example













































































### General

With the 3-pole connectors, there are four available variants: Three versions for applications up to 250/400V (e.g. general network applications, switching applications, applications for multiphase systems) and a version for extra-low voltages up to ~50/-120V. All connectors are mechanically coded. This means that only associated pairs of male and female can be connected with the correct polarity. You therefore have the security of a clear separation of different applications without having to redo any incorrect connections.

The color of the connectors indicates the links that belong together.

### Coding

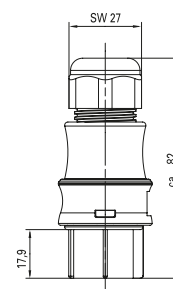
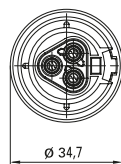
| For daily updates visit the website at <a href="http://eshop.wieland-electric.com">http://eshop.wieland-electric.com</a> .<br>Assembly instructions and other technical information can be found in the Technical Data or in eShop. |   |                                |                       |                            | Application  | 250V  | 250/400V  | 250/400V  | ~50/-120V   |
|---|---|--------------------------------|-----------------------|----------------------------|--|---|---|---|---|
|   |   |                                |                       |                            | Mechanical coding  | L, N,  | 1, 2,  | 1, 2, 3   | 1, 2,  |
|   |   |                                |                       |                            |  |        |        |  |   |
| Name  | Description   | Connection style               | Strain relief housing | Connection points per pole | light gray   | black   | leaf green  | light blue  | signal brown  |
| Connector   | 1 x cable entry   | Screw<br>Spring clamp<br>Crimp | yes                   | 1                          |   |        |        |  |        |
|   | 2 x cable entry   | Screw<br>Spring clamp<br>Crimp | yes                   | 2                          |   |        |        |   |   |
| Distribution units  | Distribution block 1I/30                                |                                |                       |                            |   |        |        |  |        |
|   | RST compact distribution unit / multi-distribution unit |                                |                       |                            |   |        |        |  |        |
|   | Individual distribution box                             |                                |                       |                            |   |        |        |  |        |
| Device connectors   | M16 device connector, modular, straight                 |                                |                       |                            |   |        |        |  |        |
|   | M16 device connector, modular, angled 7°                |                                |                       |                            |   |        |        |  |        |
|   | M25 device connector, standard                          |                                |                       |                            |   |        |        |  |        |
|   | M20 device connector, standard                          |                                |                       |                            |   |        |        |  |        |
|   | M20 device connector, modular, straight                 |                                |                       |                            |   |        |        |  |        |
|   | M25 device connector, modular, angled                   |                                |                       |                            |   |        |        |  |        |
|   |   |                                |                       |                            |  |   |   |   |   |
| Cable assemblies  | Connection cable Male – Free end                        | pre-assembled                  | pre-assembled         | pre-assembled              |   |        |        |   |        |
|   | Connection cable Female – Free end                      | pre-assembled                  | pre-assembled         | pre-assembled              |   |        |        |   |        |
|   | Extension cable Male – Female                           | pre-assembled                  | pre-assembled         | pre-assembled              |   |        |        |   |        |
|   | Connection cable Schuko – Female                        | pre-assembled                  | pre-assembled         | pre-assembled              |   |        |   |   |   |

# Connectors, straight for cables Ø 6 – 10 mm and 10 – 14 mm

## Female connector

Unmounted with cable gland.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



| with spring clamp conn. |                 | with screw connection <sup>1)</sup> |                          | with crimp connection |                 |
|-------------------------|-----------------|-------------------------------------|--------------------------|-----------------------|-----------------|
| Wire                    | mm <sup>2</sup> | Wire                                | mm <sup>2</sup>          | Wire                  | mm <sup>2</sup> |
| rigid                   | 0.5 – 2.5       | rigid                               |                          | fine-stranded         | 0.75 – 4.0      |
| fine-stranded           | 0.5 – 1.5       | fine-stranded                       | 0.75 – 6.0 <sup>2)</sup> |                       |                 |
| stranded                | 0.75 – 1.5      | stranded                            |                          |                       |                 |

| Application | Coding | Cable diameter in mm | Color        | Part No.      | Part No.      | Part No.      |
|-------------|--------|----------------------|--------------|---------------|---------------|---------------|
| 250/400V    |        | 6 – 10               | light gray   | 96.031.0053.0 | 96.031.4053.0 | 96.131.0053.0 |
|             |        |                      | black        | 96.031.0053.1 | 96.031.4053.1 | 96.131.0053.1 |
|             |        | 10 – 14              | light gray   | 96.031.0153.0 | 96.031.4153.0 | 96.131.0153.0 |
|             |        |                      | black        | 96.031.0153.1 | 96.031.4153.1 | 96.131.0153.1 |
| ~50/-120V   |        | 6 – 10               | leaf green   | 96.031.0055.7 | 96.031.4055.7 |               |
|             |        | 10 – 14              |              | 96.031.0155.7 | 96.031.4155.7 |               |
|             |        | 6 – 10               | light blue   | 96.031.0053.9 | 96.031.4053.9 |               |
|             |        | 10 – 14              |              | 96.031.0153.9 | 96.031.4153.9 |               |
| ~50/-120V   |        | 6 – 10               | signal-brown | 96.031.0051.4 | 96.031.4051.4 |               |
|             |        | 10 – 14              |              | 96.031.0151.4 | 96.031.4151.4 |               |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

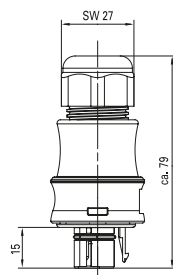
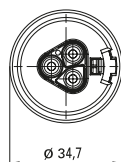
Fine-stranded and stranded wires **without** ferrules

Contacts separately under Accessories.

## Male connector

Unmounted with cable gland and locking device.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



| with spring clamp conn. |                 | with screw connection <sup>1)</sup> |                          | with crimp connection |                 |
|-------------------------|-----------------|-------------------------------------|--------------------------|-----------------------|-----------------|
| Wire                    | mm <sup>2</sup> | Wire                                | mm <sup>2</sup>          | Wire                  | mm <sup>2</sup> |
| rigid                   | 0.5 – 2.5       | rigid                               |                          | fine-stranded         | 0.75 – 4.0      |
| fine-stranded           | 0.5 – 1.5       | fine-stranded                       | 0.75 – 6.0 <sup>2)</sup> |                       |                 |
| stranded                | 0.75 – 1.5      | stranded                            |                          |                       |                 |

| Application | Coding | Cable diameter in mm | Color        | Part No.      | Part No.      | Part No.      |
|-------------|--------|----------------------|--------------|---------------|---------------|---------------|
| 250/400V    |        | 6 – 10               | light gray   | 96.032.0053.0 | 96.032.4053.0 | 96.132.0053.0 |
|             |        |                      | black        | 96.032.0053.1 | 96.032.4053.1 | 96.132.0053.1 |
|             |        | 10 – 14              | light gray   | 96.032.0153.0 | 96.032.4153.0 | 96.132.0153.0 |
|             |        |                      | black        | 96.032.0153.1 | 96.032.4153.1 | 96.132.0153.1 |
| ~50/-120V   |        | 6 – 10               | leaf green   | 96.032.0055.7 | 96.032.4055.7 |               |
|             |        | 10 – 14              |              | 96.032.0155.7 | 96.032.4155.7 |               |
|             |        | 6 – 10               | light blue   | 96.032.0053.9 | 96.032.4053.9 |               |
|             |        | 10 – 14              |              | 96.032.0153.9 | 96.032.4153.9 |               |
| ~50/-120V   |        | 6 – 10               | signal-brown | 96.032.0051.4 | 96.032.4051.4 |               |
|             |        | 10 – 14              |              | 96.032.0151.4 | 96.032.4151.4 |               |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

Contacts separately under Accessories.

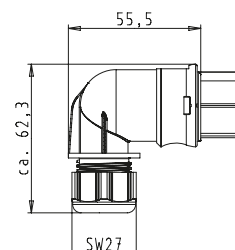
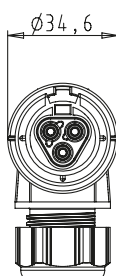


# Connectors, angled 90° for cables Ø 6 – 10 mm and 10 – 14 mm

## Female connector

Unmounted with cable gland.  
90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



### with spring clamp conn.






| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |

### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>          |
|---------------|--------------------------|
| rigid         |                          |
| fine-stranded | 0.75 – 6.0 <sup>2)</sup> |
| stranded      |                          |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |

| Application | Coding  | Cable diameter in mm | Color        | Part No.      | Part No.      | Part No.      |
|-------------|---|----------------------|--------------|---------------|---------------|---------------|
| 250/400V    |    | 6 – 10               | light gray   | 96.033.0053.0 | 96.033.4053.0 | 96.133.0053.0 |
|             |   | 10 – 14              | black        | 96.033.0053.1 | 96.033.4053.1 | 96.133.0053.1 |
|             |   | 6 – 10               | light gray   | 96.033.0153.0 | 96.033.4153.0 | 96.133.0153.0 |
|             |   | 10 – 14              | black        | 96.033.0153.1 | 96.033.4153.1 | 96.133.0153.1 |
| ~50/-120V   |  | 6 – 10               | leaf green   | 96.033.0055.7 | 96.033.4055.7 |               |
|             |   | 10 – 14              | leaf green   | 96.033.0155.7 | 96.033.4155.7 |               |
|             |  | 6 – 10               | light blue   | 96.033.0053.9 | 96.033.4053.9 |               |
|             |   | 10 – 14              | light blue   | 96.033.0153.9 | 96.033.4153.9 |               |
| ~50/-120V   |  | 6 – 10               | signal-brown | 96.033.0051.4 | 96.033.4051.4 |               |
|             |   | 10 – 14              | signal-brown | 96.033.0151.4 | 96.033.4151.4 |               |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

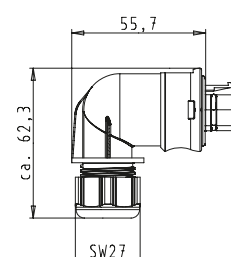
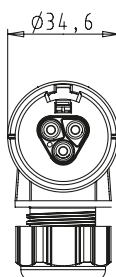
Fine-stranded and stranded wires **without** ferrules

Contacts separately under Accessories.

## Male connector

Unmounted with cable gland and locking device. 90° angle.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



### with spring clamp conn.






| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |

### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>          |
|---------------|--------------------------|
| rigid         |                          |
| fine-stranded | 0.75 – 6.0 <sup>2)</sup> |
| stranded      |                          |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |

| Application | Coding  | Cable diameter in mm | Color        | Part No.      | Part No.      | Part No.      |
|-------------|---|----------------------|--------------|---------------|---------------|---------------|
| 250/400V    |  | 6 – 10               | light gray   | 96.034.0053.0 | 96.034.4053.0 | 96.134.0053.0 |
|             |   | 10 – 14              | black        | 96.034.0053.1 | 96.034.4053.1 | 96.134.0053.1 |
|             |  | 6 – 10               | light gray   | 96.034.0153.0 | 96.034.4153.0 | 96.134.0153.0 |
|             |   | 10 – 14              | black        | 96.034.0153.1 | 96.034.4153.1 | 96.134.0153.1 |
| ~50/-120V   |  | 6 – 10               | leaf green   | 96.034.0055.7 | 96.034.4055.7 |               |
|             |   | 10 – 14              | leaf green   | 96.034.0155.7 | 96.034.4155.7 |               |
|             |  | 6 – 10               | light blue   | 96.034.0053.9 | 96.034.4053.9 |               |
|             |   | 10 – 14              | light blue   | 96.034.0153.9 | 96.034.4153.9 |               |
| ~50/-120V   |  | 6 – 10               | signal-brown | 96.034.0051.4 | 96.034.4051.4 |               |
|             |   | 10 – 14              | signal-brown | 96.034.0151.4 | 96.034.4151.4 |               |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

Contacts separately under Accessories.

<sup>1)</sup> With wire protection available on request

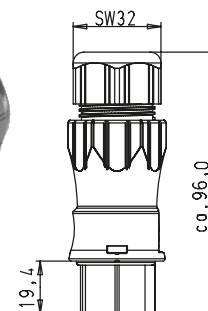
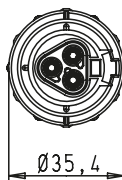
<sup>2)</sup> With 6.0 mm<sup>2</sup> wires the pull and bending forces at the connector must be taken into consideration and compensated by suitable measures if required

## Connectors, straight for cables Ø 13 – 18 mm

### Female connector

Unmounted with cable gland.

See Technical Data for sheath and insulation strip lengths.



#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>          |                  |
|---------------|--------------------------|------------------|
| rigid         |                          |                  |
| fine-stranded | 0.75 – 6.0 <sup>2)</sup> | without ferrules |
| stranded      |                          | without ferrules |

#### with crimp connection

| Wire          | mm <sup>2</sup> |  |
|---------------|-----------------|--|
| fine-stranded | 0.75 – 4.0      |  |

| Application | Coding  | Cable diameter in mm | Color               |
|-------------|---------|----------------------|---------------------|
| 250/400V    | L, N,   | 13 – 18              | light gray<br>black |
|             | 1, 2,   | 13 – 18              | leaf green          |
|             | 2, 1, 3 | 13 – 18              | light blue          |

| Part No.      |
|---------------|
| 96.031.4553.0 |
| 96.031.4553.1 |
| 96.031.4555.7 |
| 96.031.4553.9 |

| Part No.      |
|---------------|
| 96.131.4553.0 |
| 96.131.4553.1 |

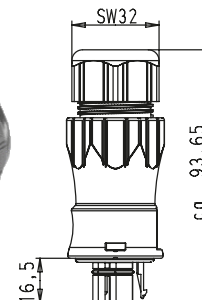
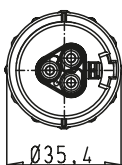
Fine-stranded and stranded wires **without** ferrules

Contacts separately under Accessories.

### Male connector

Unmounted with cable gland and locking device.

See Technical Data for sheath and insulation strip lengths.



#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>          |                  |
|---------------|--------------------------|------------------|
| rigid         |                          |                  |
| fine-stranded | 0.75 – 6.0 <sup>2)</sup> | without ferrules |
| stranded      |                          | without ferrules |

#### with crimp connection

| Wire          | mm <sup>2</sup> |  |
|---------------|-----------------|--|
| fine-stranded | 0.75 – 4.0      |  |

| Application | Coding  | Cable diameter in mm | Color               |
|-------------|---------|----------------------|---------------------|
| 250/400V    | N, L,   | 13 – 18              | light gray<br>black |
|             | 2, 1,   | 13 – 18              | leaf green          |
|             | 2, 1, 3 | 13 – 18              | light blue          |

| Part No.      |
|---------------|
| 96.032.4553.0 |
| 96.032.4553.1 |
| 96.032.4555.7 |
| 96.032.4553.9 |

| Part No.      |
|---------------|
| 96.132.4553.0 |
| 96.132.4553.1 |

Fine-stranded and stranded wires **without** ferrules

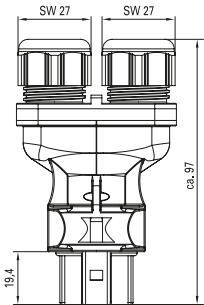
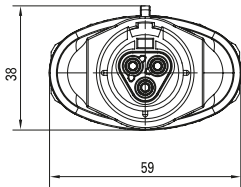
Contacts separately under Accessories.

Splitter connector, straight  
for cables Ø 6 – 10 mm and 10 – 14 mm

Female connector

Unmounted with cable gland.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.






with spring clamp connection

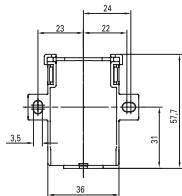
| Leitungen     | mm <sup>2</sup> |               |
|---------------|-----------------|---------------|
| rigid         | 0.5 – 2.5       |               |
| fine-stranded | 0.5 – 1.5       | with ferrules |
| stranded      | 0.75 – 1.5      | with ferrules |

with screw connection<sup>1)</sup>

| Leitungen     | mm <sup>2</sup> |  |
|---------------|-----------------|--|
| rigid         |                 |  |
| fine-stranded | 0.75 – 2.5      |  |
| stranded      |                 |  |

| Application  | Coding  | Cable diameter in mm | Color      | Part No.   | Part No.      |
|--|---|----------------------|------------|--|---------------|
| 250/400V   |    | 6 – 10               | light gray | 96.031.0253.0  | 96.031.4253.0 |
|  |   | 10 – 14              | black      | 96.031.0253.1  | 96.031.4253.1 |
|  |  | 6 – 10               | light gray | 96.031.0353.0  | 96.031.4353.0 |
|  |   | 10 – 14              | black      | 96.031.0353.1  | 96.031.4353.1 |
|  |  | 6 – 10               | leaf green | 96.031.0255.7  | 96.031.4255.7 |
|  |   | 10 – 14              | black      | 96.031.0355.7  | 96.031.4355.7 |
|  |   |                      | light blue | 96.031.0353.9  |               |
| Fine-stranded and stranded wires <b>only with</b> ferrules (see accessories) |   |                      |            | Fine-stranded and stranded wires <b>without</b> ferrules |               |

Mounting plate for splitter connectors



| Color | Part No.      |
|-------|---------------|
| gray  | 01.006.1553.0 |
| black | 01.006.1553.1 |

<sup>1)</sup> With wire protection available on request



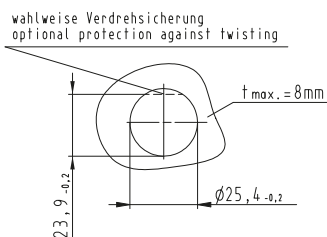
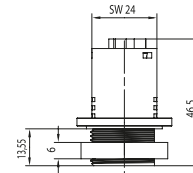
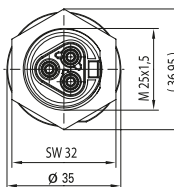
# M25 device connector straight, standard

## Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from outside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.

For the spacer rings for unlocking the device connectors, see Accessories.



### with spring clamp conn.

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |
| Term. poles   | 2               |
| Thread        | M25 x 1.5       |
| Gland         | outside         |

### with screw connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         |                 |
| fine-stranded | 0.75 – 6.0      |
| stranded      |                 |
| Term. poles   | 1               |
| Thread        | M25 x 1.5       |
| Gland         | outside         |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M25 x 1.5       |
| Gland         | outside         |

| Application | Coding  | Color               |
|-------------|---------|---------------------|
| 250/400V    | L, N, ⊕ | light gray<br>black |
|             | 1, 2, ⊕ | leaf green          |
|             | 1, 2, 3 | light blue          |
| ~50/-120V   | 1, 2, ⊕ | signal brown        |

| Part No.      |
|---------------|
| 96.031.1053.0 |
| 96.031.1053.1 |
| 96.031.1055.7 |
| 96.031.1053.9 |
| 96.031.1051.4 |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

| Part No.      |
|---------------|
| 96.031.5053.0 |
| 96.031.5053.1 |
| 96.031.5055.7 |
| 96.031.5053.9 |
| 96.031.5051.4 |

Fine-stranded and stranded wires **without** ferrules

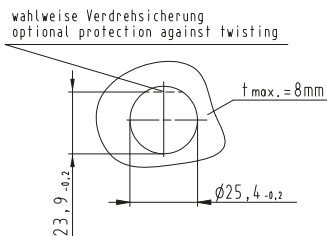
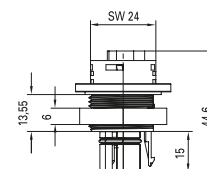
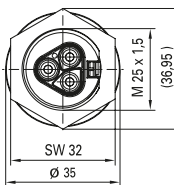
| Part No.      |
|---------------|
| 96.131.1053.0 |
| 96.131.1053.1 |
| 96.131.1055.7 |

Contacts separately under Accessories.

## Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from outside. With locking device.

See the Technical Data for insulation strip lengths.



### with spring clamp conn.

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |
| Term. poles   | 2               |
| Thread        | M25 x 1.5       |
| Gland         | outside         |

### with screw connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         |                 |
| fine-stranded | 0.75 – 6.0      |
| stranded      |                 |
| Term. poles   | 1               |
| Thread        | M25 x 1.5       |
| Gland         | outside         |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M25 x 1.5       |
| Gland         | outside         |

| Application | Coding  | Color               |
|-------------|---------|---------------------|
| 250/400V    | N, L, ⊕ | light gray<br>black |
|             | 2, 1, ⊕ | leaf green          |
|             | 2, 1, 3 | light blue          |
| ~50/-120V   | 2, 1, ⊕ | signal brown        |

| Part No.      |
|---------------|
| 96.032.1053.0 |
| 96.032.1053.1 |
| 96.032.1055.7 |
| 96.032.1053.9 |
| 96.032.1051.4 |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

| Part No.      |
|---------------|
| 96.032.5053.0 |
| 96.032.5053.1 |
| 96.032.5055.7 |
| 96.032.5053.9 |
| 96.032.5051.4 |

Fine-stranded and stranded wires **without** ferrules

| Part No.      |
|---------------|
| 96.132.1053.0 |
| 96.132.1053.1 |
| 96.132.1055.7 |

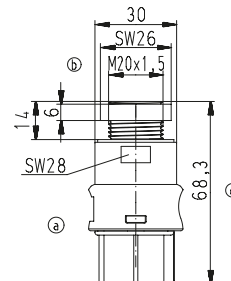
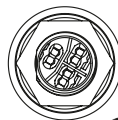
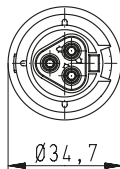
Contacts separately under Accessories.

# M20 device connector straight, modular

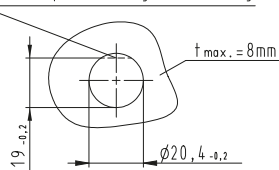
## Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



wahlweise Verdrehsicherung  
optional protection against twisting



### with spring clamp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |
| Term. poles   | 2               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

### with screw connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         |                 |
| fine-stranded | 0.75 – 6.0      |
| stranded      |                 |
| Term. poles   | 1               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

| Application | Coding  | Color               |
|-------------|---------|---------------------|
| 250/400V    | L, N, ⊕ | light gray<br>black |
|             | 1, 2, ⊕ | leaf green          |
|             | 1, 2, 3 | light blue          |
| ~50/-120V   | 1, 2, ⊕ | signal brown        |

| Part No.      |
|---------------|
| 96.031.2053.0 |
| 96.031.2053.1 |
| 96.031.2055.7 |
| 96.031.2053.9 |
| 96.031.2051.4 |

| Part No.      |
|---------------|
| 96.031.6053.0 |
| 96.031.6053.1 |
| 96.031.6055.7 |
| 96.031.6053.9 |
| 96.031.6051.4 |

| Part No.      |
|---------------|
| 96.131.2053.0 |
| 96.131.2053.1 |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

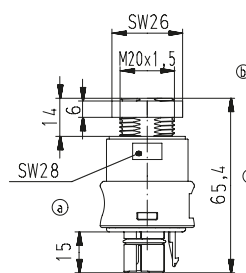
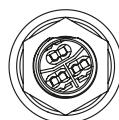
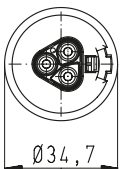
Fine-stranded and stranded wires **without** ferrules

Contacts separately under Accessories.

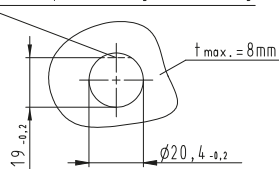
## Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. With locking device.

See the Technical Data for insulation strip lengths.



wahlweise Verdrehsicherung  
optional protection against twisting



### with spring clamp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |
| Term. poles   | 2               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

### with screw connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         |                 |
| fine-stranded | 0.75 – 6.0      |
| stranded      |                 |
| Term. poles   | 1               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

| Application | Coding  | Color               |
|-------------|---------|---------------------|
| 250/400V    | N, L, ⊕ | light gray<br>black |
|             | 2, 1, ⊕ | leaf green          |
|             | 2, 1, 3 | light blue          |
| ~50/-120V   | 2, 1, ⊕ | signal brown        |

| Part No.      |
|---------------|
| 96.032.2053.0 |
| 96.032.2053.1 |
| 96.032.2055.7 |
| 96.032.2053.9 |
| 96.032.2051.4 |

| Part No.      |
|---------------|
| 96.032.6053.0 |
| 96.032.6053.1 |
| 96.032.6055.7 |
| 96.032.6053.9 |
| 96.032.6051.4 |

| Part No.      |
|---------------|
| 96.132.2053.0 |
| 96.132.2053.1 |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

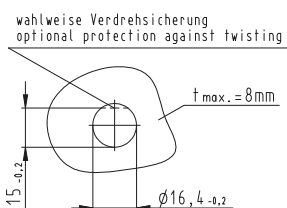
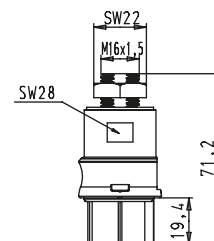
Contacts separately under Accessories.

# M16 device connector straight, modular

## Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



### with spring clamp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |
| Term. poles   | 2               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

### with screw connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         |                 |
| fine-stranded | 0.75 – 6.0      |
| stranded      |                 |
| Term. poles   | 1               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

| Application | Coding  | Color               |
|-------------|---------|---------------------|
| 250/400V    | L, N, ⊕ | light gray<br>black |
|             | 1, 2, ⊕ | leaf green          |
|             | 1, 2, 3 | light blue          |
| ~50/-120V   | 1, 2, ⊕ | signal brown        |

| Part No.      |
|---------------|
| 96.031.2153.0 |
| 96.031.2153.1 |
| 96.031.2155.7 |
| 96.031.2153.9 |
| 96.031.2151.4 |

| Part No.      |
|---------------|
| 96.031.6153.0 |
| 96.031.6153.1 |
| 96.031.6155.7 |
| 96.031.6153.9 |
| 96.031.6151.4 |

| Part No.      |
|---------------|
| 96.131.2153.0 |
| 96.131.2153.1 |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

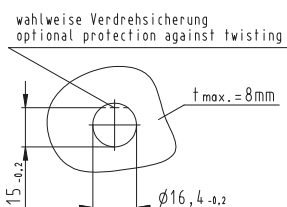
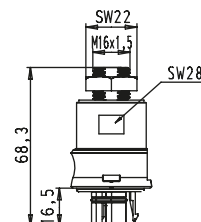
Fine-stranded and stranded wires **without** ferrules

Contacts separately under Accessories.

## Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.  
With locking device.

See the Technical Data for insulation strip lengths.



### with spring clamp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |
| Term. poles   | 2               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

### with screw connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         |                 |
| fine-stranded | 0.75 – 6.0      |
| stranded      |                 |
| Term. poles   | 1               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

| Application | Coding  | Color               |
|-------------|---------|---------------------|
| 250/400V    | N, L, ⊕ | light gray<br>black |
|             | 2, 1, ⊕ | leaf green          |
|             | 2, 1, 3 | light blue          |
| ~50/-120V   | 2, 1, ⊕ | signal brown        |

| Part No.      |
|---------------|
| 96.032.2153.0 |
| 96.032.2153.1 |
| 96.032.2155.7 |
| 96.032.2153.9 |
| 96.032.2151.4 |

| Part No.      |
|---------------|
| 96.032.6153.0 |
| 96.032.6153.1 |
| 96.032.6155.7 |
| 96.032.6153.9 |
| 96.032.6151.4 |

| Part No.      |
|---------------|
| 96.132.2153.0 |
| 96.132.2153.1 |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

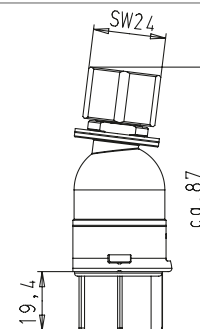
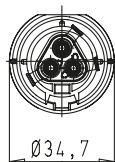
Contacts separately under Accessories.

# M16 device connector angled 7°, modular

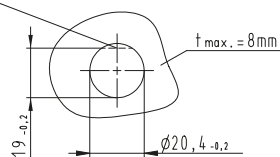
## Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. Angled 7°, thread M16.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



wahlweise Verdrehsicherung  
optional protection against twisting



### with spring clamp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |
| Term. poles   | 2               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

### with screw connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         |                 |
| fine-stranded | 0.75 – 6.0      |
| stranded      |                 |
| Term. poles   | 1               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

| Application | Coding  | Color               |
|-------------|---------|---------------------|
| 250/400V    | L, N, ⊕ | light gray<br>black |
|             | 1, 2, ⊕ | leaf green          |
|             | 1, 2, 3 | light blue          |
| ~50/-120V   | 1, 2, ⊕ | signal brown        |

| Part No.      |
|---------------|
| 96.035.2153.0 |
| 96.035.2153.1 |
| 96.035.2155.7 |
| 96.035.2153.9 |
| 96.035.2151.4 |

| Part No.      |
|---------------|
| 96.035.6153.0 |
| 96.035.6153.1 |
| 96.035.6155.7 |
| 96.035.6153.9 |
| 96.035.6151.4 |

| Part No.      |
|---------------|
| 96.135.2153.0 |
| 96.135.2153.1 |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

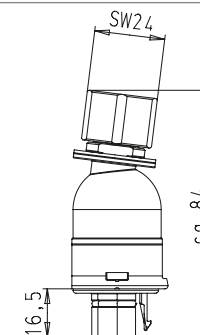
Fine-stranded and stranded wires **without** ferrules

Contacts separately under Accessories.

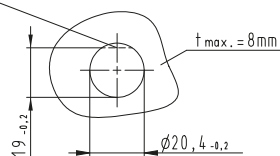
## Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. With locking device. Angled 7°, thread M16.

See the Technical Data for insulation strip lengths.



wahlweise Verdrehsicherung  
optional protection against twisting



### with spring clamp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |
| Term. poles   | 2               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

### with screw connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         |                 |
| fine-stranded | 0.75 – 6.0      |
| stranded      |                 |
| Term. poles   | 1               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

| Application | Coding  | Color               |
|-------------|---------|---------------------|
| 250/400V    | N, L, ⊕ | light gray<br>black |
|             | 2, 1, ⊕ | leaf green          |
|             | 2, 1, 3 | light blue          |
| ~50/-120V   | 2, 1, ⊕ | signal brown        |

| Part No.      |
|---------------|
| 96.036.2153.0 |
| 96.036.2153.1 |
| 96.036.2155.7 |
| 96.036.2153.9 |
| 96.036.2151.4 |

| Part No.      |
|---------------|
| 96.036.6153.0 |
| 96.036.6153.1 |
| 96.036.6155.7 |
| 96.036.6153.9 |
| 96.036.6151.4 |

| Part No.      |
|---------------|
| 96.136.2153.0 |
| 96.136.2153.1 |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

Contacts separately under Accessories.

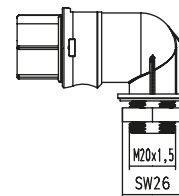
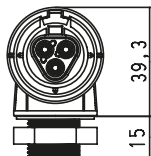


# M20 device connector angled 90°, modular

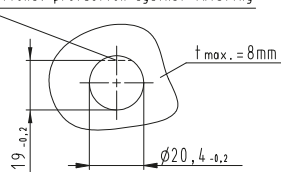
## Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



wahlweise Verdrehsicherung  
optional protection against twisting



### with spring clamp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |
| Term. poles   | 2               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

### with screw connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         |                 |
| fine-stranded | 0.75 – 6.0      |
| stranded      |                 |
| Term. poles   | 1               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

| Application | Coding  | Color               |
|-------------|---------|---------------------|
| 250/400V    | L, N, ⊕ | light gray<br>black |
|             | 1, 2, ⊕ | leaf green          |
|             | 1, 2, 3 | light blue          |
| ~50/-120V   | 1, 2, ⊕ | signal brown        |

| Part No.      |
|---------------|
| 96.033.2053.0 |
| 96.033.2053.1 |
| 96.033.2055.7 |
| 96.033.2053.9 |
| 96.033.2051.4 |

| Part No.      |
|---------------|
| 96.033.6053.0 |
| 96.033.6053.1 |
| 96.033.6055.7 |
| 96.033.6053.9 |
| 96.033.6051.4 |

| Part No.      |
|---------------|
| 96.133.2053.0 |
| 96.133.2053.1 |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

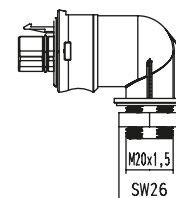
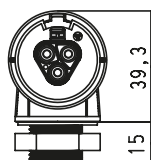
Fine-stranded and stranded wires **without** ferrules

Contacts separately under Accessories.

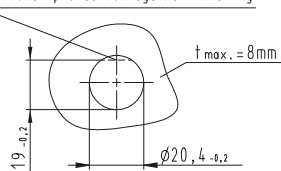
## Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. With locking device.

See the Technical Data for insulation strip lengths.



wahlweise Verdrehsicherung  
optional protection against twisting



### with spring clamp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |
| Term. poles   | 2               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

### with screw connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         |                 |
| fine-stranded | 0.75 – 6.0      |
| stranded      |                 |
| Term. poles   | 1               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

| Application | Coding  | Color               |
|-------------|---------|---------------------|
| 250/400V    | N, L, ⊕ | light gray<br>black |
|             | 2, 1, ⊕ | leaf green          |
|             | 2, 1, 3 | light blue          |
| ~50/-120V   | 2, 1, ⊕ | signal brown        |

| Part No.      |
|---------------|
| 96.034.2053.0 |
| 96.034.2053.1 |
| 96.034.2055.7 |
| 96.034.2053.9 |
| 96.034.2051.4 |

| Part No.      |
|---------------|
| 96.034.6053.0 |
| 96.034.6053.1 |
| 96.034.6055.7 |
| 96.034.6053.9 |
| 96.034.6051.4 |

| Part No.      |
|---------------|
| 96.134.2053.0 |
| 96.134.2053.1 |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

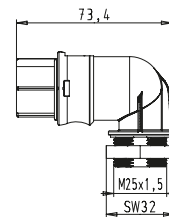
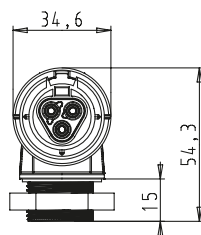
Contacts separately under Accessories.

# M25 device connector angled 90°, modular

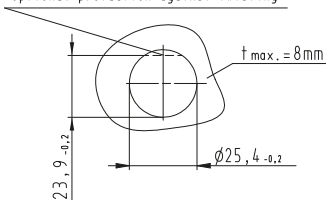
## Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

See the Technical Data for insulation strip lengths as well as the ferrules to be used.



wahlweise Verdrehsicherung  
optional protection against twisting



### with spring clamp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |
| Term. poles   | 2               |
| Thread        | M25 x 1.5       |
| Gland         | inside          |

### with screw connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         |                 |
| fine-stranded | 0.75 – 6.0      |
| stranded      |                 |
| Term. poles   | 1               |
| Thread        | M25 x 1.5       |
| Gland         | inside          |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M25 x 1.5       |
| Gland         | inside          |

| Application | Coding  | Color               |
|-------------|---------|---------------------|
| 250/400V    | L, N, ⊕ | light gray<br>black |
|             | 1, 2, ⊕ | leaf green          |
|             | 1, 2, 3 | light blue          |
| ~50/-120V   | 1, 2, ⊕ | signal brown        |

| Part No.      |
|---------------|
| 96.033.2253.0 |
| 96.033.2253.1 |
| 96.033.2255.7 |
| 96.033.2253.9 |
| 96.033.2251.4 |

| Part No.      |
|---------------|
| 96.033.6253.0 |
| 96.033.6253.1 |
| 96.033.6255.7 |
| 96.033.6253.9 |
| 96.033.6251.4 |

| Part No.      |
|---------------|
| 96.133.2253.0 |
| 96.133.2253.1 |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

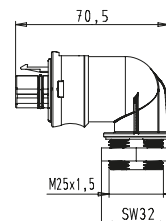
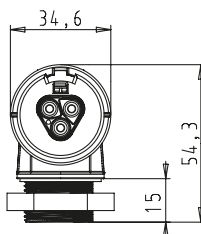
Fine-stranded and stranded wires **without** ferrules

Contacts separately under Accessories.

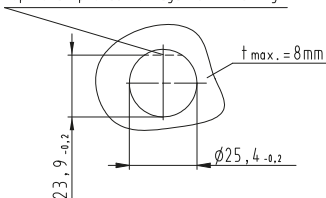
## Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. With locking device.

See the Technical Data for insulation strip lengths.



wahlweise Verdrehsicherung  
optional protection against twisting



### with spring clamp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         | 0.5 – 2.5       |
| fine-stranded | 0.5 – 1.5       |
| stranded      | 0.75 – 1.5      |
| Term. poles   | 2               |
| Thread        | M25 x 1.5       |
| Gland         | inside          |

### with screw connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| rigid         |                 |
| fine-stranded | 0.75 – 6.0      |
| stranded      |                 |
| Term. poles   | 1               |
| Thread        | M25 x 1.5       |
| Gland         | inside          |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M25 x 1.5       |
| Gland         | inside          |

| Application | Coding  | Color               |
|-------------|---------|---------------------|
| 250/400V    | N, L, ⊕ | light gray<br>black |
|             | 2, 1, ⊕ | leaf green          |
|             | 2, 1, 3 | light blue          |
| ~50/-120V   | 2, 1, ⊕ | signal brown        |

| Part No.      |
|---------------|
| 96.034.2253.0 |
| 96.034.2253.1 |
| 96.034.2255.7 |
| 96.034.2253.9 |
| 96.034.2251.4 |

| Part No.      |
|---------------|
| 96.034.6253.0 |
| 96.034.6253.1 |
| 96.034.6255.7 |
| 96.034.6253.9 |
| 96.034.6251.4 |

| Part No.      |
|---------------|
| 96.134.2253.0 |
| 96.134.2253.1 |

Fine-stranded and stranded wires **only with** ferrules (see accessories)

Fine-stranded and stranded wires **without** ferrules

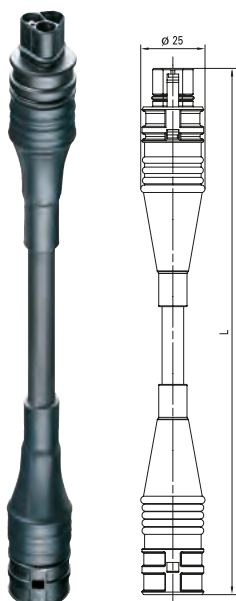
Contacts separately under Accessories.

# Cable assemblies

## Cable 3 x 1.5 mm<sup>2</sup>; 16 A

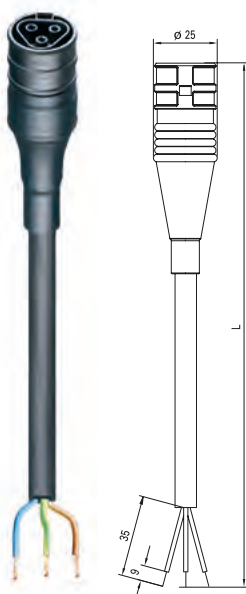
| Rated values        |                  |                  | Pull relief          |            | shrinkage tube |
|---------------------|------------------|------------------|----------------------|------------|----------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock            | integrated |                |
| Sheath strip length | (open cable end) | 35 mm            | Color cable          | black      |                |
| Wire strip length   | (open cable end) | 9 mm             | Color shrinkage tube | black      |                |

### Connection cables female – male



|   |          | 250V<br>black |  | 250/400V<br>leaf green |  | 250/400V<br>light blue |  |
|---|----------|---------------|--|------------------------|--|------------------------|--|
|   |          |               |  |                        |  |                        |  |
| Cable   | Length m | Part No.      |  | Part No.               |  | Part No.               |  |
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen                            | 1        | 96.232.1000.1 |  | 96.232.1001.7          |  |                        |  |
|   | 2        | 96.232.2000.1 |  | 96.232.2001.7          |  |                        |  |
|   | 3        | 96.232.3000.1 |  | 96.232.3001.7          |  |                        |  |
|   | 4        | 96.232.4000.1 |  | 96.232.4001.7          |  |                        |  |
|   | 5        | 96.232.5000.1 |  | 96.232.5001.7          |  |                        |  |
|   | 6        | 96.232.6000.1 |  | 96.232.6001.7          |  |                        |  |
|   | 7        | 96.232.7000.1 |  | 96.232.7001.7          |  |                        |  |
|   | 8        | 96.232.8000.1 |  | 96.232.8001.7          |  |                        |  |
| Cable   | Length m | Part No.      |  | Part No.               |  | Part No.               |  |
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen                | 1        | 96.232.1030.1 |  | 96.232.1031.7          |  | 96.232.1010.9          |  |
|   | 2        | 96.232.2030.1 |  | 96.232.2031.7          |  | 96.232.2010.9          |  |
|   | 3        | 96.232.3030.1 |  | 96.232.3031.7          |  | 96.232.3010.9          |  |
|   | 4        | 96.232.4030.1 |  | 96.232.4031.7          |  | 96.232.4010.9          |  |
|   | 5        | 96.232.5030.1 |  | 96.232.5031.7          |  | 96.232.5010.9          |  |
|   | 6        | 96.232.6030.1 |  | 96.232.6031.7          |  | 96.232.6010.9          |  |
|   | 7        | 96.232.7030.1 |  | 96.232.7031.7          |  | 96.232.7010.9          |  |
|   | 8        | 96.232.8030.1 |  | 96.232.8031.7          |  | 96.232.8010.9          |  |
| Cable   | Length m | Part No.      |  |                        |  |                        |  |
| <b>Rubber-sheathed cable<br/>H07RN-F<br/>enhanced version</b><br>halogen-free | 1        | 96.232.1050.1 |  |                        |  |                        |  |
|   | 2        | 96.232.2050.1 |  |                        |  |                        |  |
|   | 3        | 96.232.3050.1 |  |                        |  |                        |  |
|   | 4        | 96.232.4050.1 |  |                        |  |                        |  |
|   | 5        | 96.232.5050.1 |  |                        |  |                        |  |
|   | 6        | 96.232.6050.1 |  |                        |  |                        |  |
|   | 7        | 96.232.7050.1 |  |                        |  |                        |  |
|   | 8        | 96.232.8050.1 |  |                        |  |                        |  |

### Connection cables female – free end

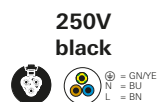
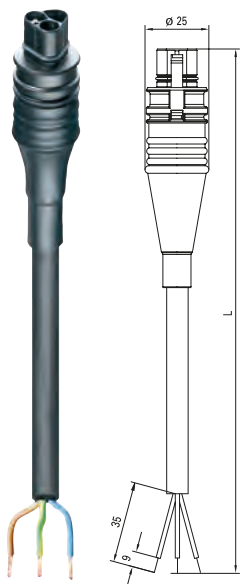


|   |          | 250 V<br>black |  | 250/400V<br>leaf green |  | 250/400V<br>light blue |  |
|---|----------|----------------|--|------------------------|--|------------------------|--|
|   |          |                |  |                        |  |                        |  |
| Cable   | Length m | Part No.       |  | Part No.               |  | Part No.               |  |
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen                            | 1        | 96.232.1003.1  |  | 96.232.1005.7          |  |                        |  |
|   | 2        | 96.232.2003.1  |  | 96.232.2005.7          |  |                        |  |
|   | 3        | 96.232.3003.1  |  | 96.232.3005.7          |  |                        |  |
|   | 4        | 96.232.4003.1  |  | 96.232.4005.7          |  |                        |  |
|   | 5        | 96.232.5003.1  |  | 96.232.5005.7          |  |                        |  |
|   | 6        | 96.232.6003.1  |  | 96.232.6005.7          |  |                        |  |
|   | 7        | 96.232.7003.1  |  | 96.232.7005.7          |  |                        |  |
|   | 8        | 96.232.8003.1  |  | 96.232.8005.7          |  |                        |  |
| Cable   | Length m | Part No.       |  | Part No.               |  | Part No.               |  |
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen                | 1        | 96.232.1033.1  |  | 96.232.1035.7          |  | on request             |  |
|   | 2        | 96.232.2033.1  |  | 96.232.2035.7          |  |                        |  |
|   | 3        | 96.232.3033.1  |  | 96.232.3035.7          |  |                        |  |
|   | 4        | 96.232.4033.1  |  | 96.232.4035.7          |  |                        |  |
|   | 5        | 96.232.5033.1  |  | 96.232.5035.7          |  |                        |  |
|   | 6        | 96.232.6033.1  |  | 96.232.6035.7          |  |                        |  |
|   | 7        | 96.232.7033.1  |  | 96.232.7035.7          |  |                        |  |
|   | 8        | 96.232.8033.1  |  | 96.232.8035.7          |  |                        |  |
| Cable   | Length m | Part No.       |  |                        |  |                        |  |
| <b>Rubber-sheathed cable<br/>H07RN-F<br/>enhanced version</b><br>halogen-free | 1        | 96.232.1053.1  |  |                        |  |                        |  |
|   | 2        | 96.232.2053.1  |  |                        |  |                        |  |
|   | 3        | 96.232.3053.1  |  |                        |  |                        |  |
|   | 4        | 96.232.4053.1  |  |                        |  |                        |  |
|   | 5        | 96.232.5053.1  |  |                        |  |                        |  |
|   | 6        | 96.232.6053.1  |  |                        |  |                        |  |
|   | 7        | 96.232.7053.1  |  |                        |  |                        |  |
|   | 8        | 96.232.8053.1  |  |                        |  |                        |  |

## Cable assemblies

### Cable 3 x 1.5 mm<sup>2</sup>; 16 A

#### Connection cables male – free end



| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 1        | 96.232.1004.1 | 96.232.1006.7 |
|  | 2        | 96.232.2004.1 | 96.232.2006.7 |
|  | 3        | 96.232.3004.1 | 96.232.3006.7 |
|  | 4        | 96.232.4004.1 | 96.232.4006.7 |
|  | 5        | 96.232.5004.1 | 96.232.5006.7 |
|  | 6        | 96.232.6004.1 | 96.232.6006.7 |
|  | 7        | 96.232.7004.1 | 96.232.7006.7 |
|  | 8        | 96.232.8004.1 | 96.232.8006.7 |

| Cable  | Length m | Part No.      | Part No.      | Part No.   |
|--|----------|---------------|---------------|------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 1        | 96.232.1034.1 | 96.232.1036.7 | on request |
|  | 2        | 96.232.2034.1 | 96.232.2036.7 |            |
|  | 3        | 96.232.3034.1 | 96.232.3036.7 |            |
|  | 4        | 96.232.4034.1 | 96.232.4036.7 |            |
|  | 5        | 96.232.5034.1 | 96.232.5036.7 |            |
|  | 6        | 96.232.6034.1 | 96.232.6036.7 |            |
|  | 7        | 96.232.7034.1 | 96.232.7036.7 |            |
|  | 8        | 96.232.8034.1 | 96.232.8036.7 |            |

| Cable   | Length m | Part No.      |
|---|----------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F<br/>enhanced version</b><br>halogen-free | 1        | 96.232.1054.1 |
|   | 2        | 96.232.2054.1 |
|   | 3        | 96.232.3054.1 |
|   | 4        | 96.232.4054.1 |
|   | 5        | 96.232.5054.1 |
|   | 6        | 96.232.6054.1 |
|   | 7        | 96.232.7054.1 |
|   | 8        | 96.232.8054.1 |

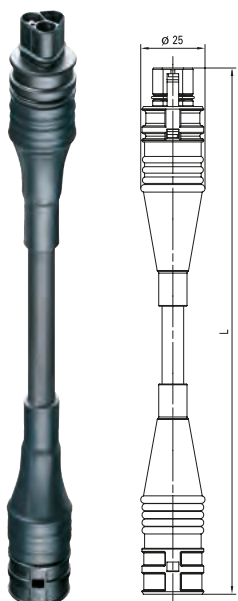




## Cable assemblies

### Cable 3 x 2.5 mm<sup>2</sup>; 20 A

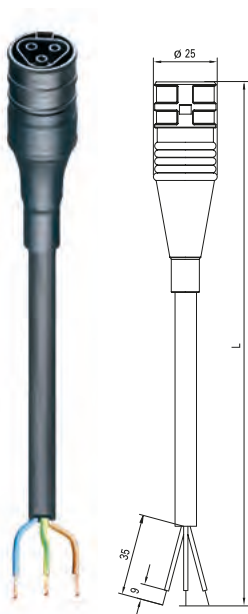
| Rated values        |                  |                  | Pull relief          |  | shrinkage tube |
|---------------------|------------------|------------------|----------------------|--|----------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock            |  | integrated     |
| Sheath strip length | (open cable end) | 35 mm            | Color cable          |  | black          |
| Wire strip length   | (open cable end) | 9 mm             | Color shrinkage tube |  | black          |



#### Connection cables female – male



|   |          | 250V<br>black  |  | 250/400V<br>leaf green  |  |
|---|----------|--|--|---|--|
|   |          |  |  |  |  |
| Cable   | Length m | Part No.   |  | Part No.  |  |
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen                            | 1        | 96.233.1000.1  |  | 96.233.1001.7   |  |
|   | 2        | 96.233.2000.1  |  | 96.233.2001.7   |  |
|   | 3        | 96.233.3000.1  |  | 96.233.3001.7   |  |
|   | 4        | 96.233.4000.1  |  | 96.233.4001.7   |  |
|   | 5        | 96.233.5000.1  |  | 96.233.5001.7   |  |
|   | 6        | 96.233.6000.1  |  | 96.233.6001.7   |  |
|   | 7        | 96.233.7000.1  |  | 96.233.7001.7   |  |
|   | 8        | 96.233.8000.1  |  | 96.233.8001.7   |  |
| Cable   | Length m | Part No.   |  | Part No.  |  |
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen                | 1        | 96.233.1030.1  |  | 96.233.1031.7   |  |
|   | 2        | 96.233.2030.1  |  | 96.233.2031.7   |  |
|   | 3        | 96.233.3030.1  |  | 96.233.3031.7   |  |
|   | 4        | 96.233.4030.1  |  | 96.233.4031.7   |  |
|   | 5        | 96.233.5030.1  |  | 96.233.5031.7   |  |
|   | 6        | 96.233.6030.1  |  | 96.233.6031.7   |  |
|   | 7        | 96.233.7030.1  |  | 96.233.7031.7   |  |
|   | 8        | 96.233.8030.1  |  | 96.233.8031.7   |  |
| Cable   | Length m | Part No.   |  |   |  |
| <b>Rubber-sheathed cable<br/>H07RN-F<br/>enhanced version</b><br>halogen-free | 1        | 96.233.1050.1  |  |   |  |
|   | 2        | 96.233.2050.1  |  |   |  |
|   | 3        | 96.233.3050.1  |  |   |  |
|   | 4        | 96.233.4050.1  |  |   |  |
|   | 5        | 96.233.5050.1  |  |   |  |
|   | 6        | 96.233.6050.1  |  |   |  |
|   | 7        | 96.233.7050.1  |  |   |  |
|   | 8        | 96.233.8050.1  |  |   |  |

#### Connection cables female – free end

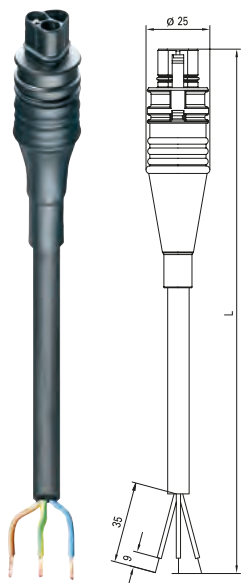


|   |          | 250V<br>black  |  | 250/400V<br>leaf green  |  |
|---|----------|--|--|---|--|
|   |          |  |  |  |  |
| Cable   | Length m | Part No.   |  | Part No.  |  |
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen                            | 1        | 96.233.1003.1  |  | 96.233.1005.7   |  |
|   | 2        | 96.233.2003.1  |  | 96.233.2005.7   |  |
|   | 3        | 96.233.3003.1  |  | 96.233.3005.7   |  |
|   | 4        | 96.233.4003.1  |  | 96.233.4005.7   |  |
|   | 5        | 96.233.5003.1  |  | 96.233.5005.7   |  |
|   | 6        | 96.233.6003.1  |  | 96.233.6005.7   |  |
|   | 7        | 96.233.7003.1  |  | 96.233.7005.7   |  |
|   | 8        | 96.233.8003.1  |  | 96.233.8005.7   |  |
| Cable   | Length m | Part No.   |  | Part No.  |  |
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen                | 1        | 96.233.1033.1  |  | 96.233.1035.7   |  |
|   | 2        | 96.233.2033.1  |  | 96.233.2035.7   |  |
|   | 3        | 96.233.3033.1  |  | 96.233.3035.7   |  |
|   | 4        | 96.233.4033.1  |  | 96.233.4035.7   |  |
|   | 5        | 96.233.5033.1  |  | 96.233.5035.7   |  |
|   | 6        | 96.233.6033.1  |  | 96.233.6035.7   |  |
|   | 7        | 96.233.7033.1  |  | 96.233.7035.7   |  |
|   | 8        | 96.233.8033.1  |  | 96.233.8035.7   |  |
| Cable   | Length m | Part No.   |  |   |  |
| <b>Rubber-sheathed cable<br/>H07RN-F<br/>enhanced version</b><br>halogen-free | 1        | 96.233.1053.1  |  |   |  |
|   | 2        | 96.233.2053.1  |  |   |  |
|   | 3        | 96.233.3053.1  |  |   |  |
|   | 4        | 96.233.4053.1  |  |   |  |
|   | 5        | 96.233.5053.1  |  |   |  |
|   | 6        | 96.233.6053.1  |  |   |  |
|   | 7        | 96.233.7053.1  |  |   |  |
|   | 8        | 96.233.8053.1  |  |   |  |

## Cable assemblies

### Cable 3 x 2.5 mm<sup>2</sup>; 20 A

#### Connection cables male – free end



250V  
black



250/400V  
leaf green



| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 1        | 96.233.1004.1 | 96.233.1006.7 |
|  | 2        | 96.233.2004.1 | 96.233.2006.7 |
|  | 3        | 96.233.3004.1 | 96.233.3006.7 |
|  | 4        | 96.233.4004.1 | 96.233.4006.7 |
|  | 5        | 96.233.5004.1 | 96.233.5006.7 |
|  | 6        | 96.233.6004.1 | 96.233.6006.7 |
|  | 7        | 96.233.7004.1 | 96.233.7006.7 |
|  | 8        | 96.233.8004.1 | 96.233.8006.7 |

| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 1        | 96.233.1034.1 | 96.233.1036.7 |
|  | 2        | 96.233.2034.1 | 96.233.2036.7 |
|  | 3        | 96.233.3034.1 | 96.233.3036.7 |
|  | 4        | 96.233.4034.1 | 96.233.4036.7 |
|  | 5        | 96.233.5034.1 | 96.233.5036.7 |
|  | 6        | 96.233.6034.1 | 96.233.6036.7 |
|  | 7        | 96.233.7034.1 | 96.233.7036.7 |
|  | 8        | 96.233.8034.1 | 96.233.8036.7 |

| Cable   | Length m | Part No.      |
|---|----------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F<br/>enhanced version</b><br>halogen-free | 1        | 96.233.1054.1 |
|   | 2        | 96.233.2054.1 |
|   | 3        | 96.233.3054.1 |
|   | 4        | 96.233.4054.1 |
|   | 5        | 96.233.5054.1 |
|   | 6        | 96.233.6054.1 |
|   | 7        | 96.233.7054.1 |
|   | 8        | 96.233.8054.1 |

Cable assemblies  
Cable 3 x 1.5 mm<sup>2</sup>; 20 A

| Rated values        |                  |                  | Pull relief          | shrinkage tube |
|---------------------|------------------|------------------|----------------------|----------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock            | integrated     |
| Sheath strip length | (open cable end) | 35 mm            | Color cable          | black          |
| Wire strip length   | (open cable end) | 9 mm             | Color shrinkage tube | black          |

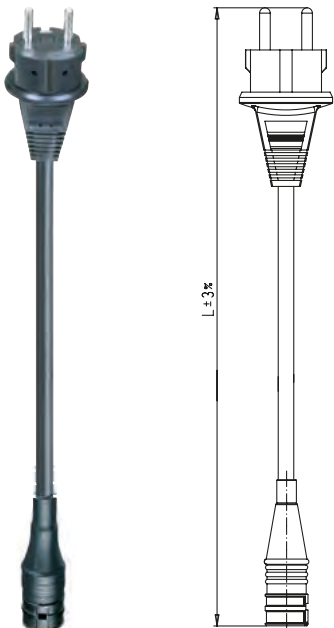
Power Connection cable  
RST 20i3 male – Schuko coupling



250V  
black

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| Rubber-sheathed cable<br>H07RN-F<br>containing halogen | 0.5      | 99.719.0000.7 |
|  | 1        |               |
|  | 2        | Other lengths |
|  | 3        | on request    |
|  | 4        |               |
|  | 5        |               |

Power Connection cable  
Male: Schuko plug – female: **RST**®



250V  
gray

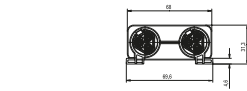
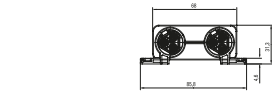
| Cable                                      | Length m | Part No.      |
|--|----------|---------------|
| PVC cable<br>H05VV-F<br>containing halogen | 1.5      | 99.714.0000.7 |
|  | 2.5      | 99.715.0000.7 |
|  |          |               |

250V  
black

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| Rubber-sheathed cable<br>H07RN-F<br>containing halogen | 1.5      | 99.712.0000.7 |
|  | 2.5      | 99.713.0000.7 |
|  | 4        | 99.716.0000.7 |
|  | 5        | 99.718.0000.7 |
|  | 8        | 99.717.0000.7 |

Distribution units

|                          |           |     |
|--------------------------|-----------|-----|
| Distribution block 11/30 | Interlock | Yes |
|--------------------------|-----------|-----|



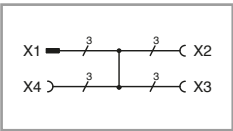
with fastening option

| Color          | Application | Pole marking | Input | Outputs | Part No.      |
|----------------|-------------|--------------|-------|---------|---------------|
| ■ black        | 250V        | L, N, PE     | 1     | 3       | 96.030.0153.1 |
| ■ light grey   | 250V        | L, N, PE     | 1     | 3       | 96.030.0153.0 |
| ■ leaf green   | 250/400V    | 1, 2, PE     | 1     | 3       | 96.030.0155.7 |
| ■ signal brown | ~50/-120V   | 1, 2, PE     | 1     | 3       | 96.030.0151.4 |

without fastening option

| Color          | Application | Pole marking | Input | Outputs | Part No.      |
|----------------|-------------|--------------|-------|---------|---------------|
| ■ black        | 250V        | L, N, PE     | 1     | 3       | 96.030.0253.1 |
| ■ light grey   | 250V        | L, N, PE     | 1     | 3       | 96.030.0253.0 |
| ■ leaf green   | 250/400V    | 1, 2, PE     | 1     | 3       | 96.030.0255.7 |
| ■ signal brown | ~50/-120V   | 1, 2, PE     | 1     | 3       | 96.030.0251.4 |

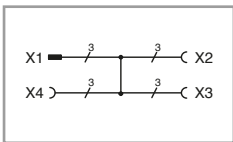
Circuit diagram



|                                     |  |   |
|-------------------------------------|--|---|
| RST compact distribution unit 11/30 | fitted as required with pre-wired with Mounting option | M25 device connectors 3-pole 2.5 mm <sup>2</sup> (halogen free) Yes |
| Dimensions                          | 104 x 162 x 57.2 mm                                    |   |



Circuit diagram

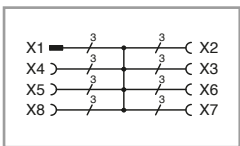


| Color   | Application | Pole marking | Input      | Outputs    | Part No.      |
|---------|-------------|--------------|------------|------------|---------------|
| ■ black |             |              | 1, RST20i3 | 3, RST20i3 | 99.906.0000.7 |

|                                   |   |  |
|-----------------------------------|---|--|
| RST multi-distribution unit 11/70 | fitted as required with pre-wired with Fuse | M25 device connectors 3-pole 2.5 mm <sup>2</sup> (halogen free) 6.3 or 10A can be integrated |
| Dimensions                        | 104 x 162 x 96 mm                           |  |



Circuit diagram



| Color   | Application | Pole marking | Input      | Outputs    | Part No.      |
|---------|-------------|--------------|------------|------------|---------------|
| ■ black |             |              | 1, RST20i3 | 7, RST20i3 | 99.929.0000.7 |



Connector for pole socket, straight  
For cables Ø 6 - 10 mm

Male connector

Unmounted with screwed cable gland.  
Without locking slide Safety Clip.

Sheath stripping and insulation removal  
lengths refer to Technical data.

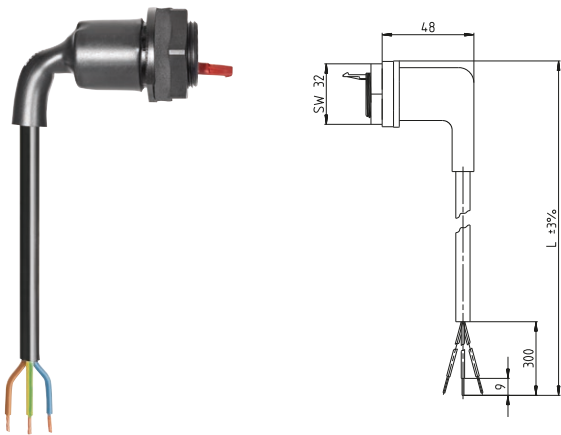


| with screw connection <sup>1)</sup> |                          |
|-------------------------------------|--------------------------|
| Wire                                | mm <sup>2</sup>          |
| rigid                               | 0.75 – 6,0 <sup>2)</sup> |
| fine-stranded                       |                          |
| stranded                            |                          |
| Part No.                            |                          |
| 99.594.0000.7                       |                          |

Cable assembly for pole socket  
Cable 3 x 1.5 mm<sup>2</sup>; 16 A

| Rated values        |                  | Pull relief          | shrinkage tube |
|---------------------|------------------|----------------------|----------------|
| Wire ends           | ultrason. welded | Interlock            | Integrated     |
| Sheath strip length | 30 mm            | Color cable          | black          |
| Wire strip length   | 9 mm             | Color shrinkage tube | black          |

Connection cables female - free end



250V  
black



| Cable  | Length m | Part No.      |
|--|----------|---------------|
| PVC cable<br>H05VV-F<br><br>containing halogen | 1        | 99.513.0000.7 |
|  | 2        | 99.514.0000.7 |
|  | 3        | 99.515.0000.7 |
|  | 4        | 99.516.0000.7 |
|  | 5        | 99.517.0000.7 |
|  | 6        | 99.518.0000.7 |
|  | 8        | 99.535.0000.7 |
|  | 9        | 99.533.0000.7 |



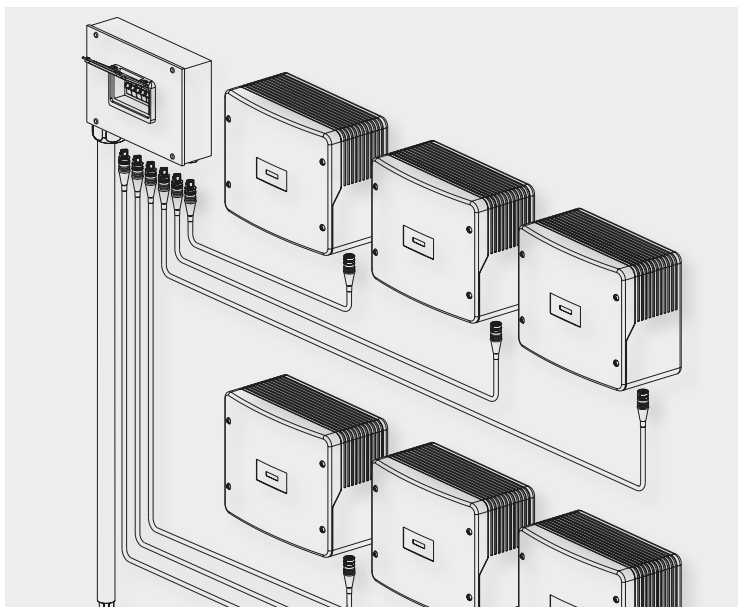






## Solar applications for systems up to 32 A for single-phase power 3-pole

### Application example



### General

The system is specially adapted to the requirements of solar technology. The connectors can be loaded with a maximum of 32 A on two contacts (L, N) and are used for single-phase power with ENS.

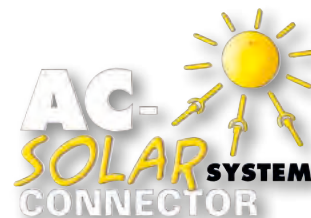
Special distribution boxes are used to bundle the electrical power of up to 6 inverters and thus complete the system.

These connectors have their own mechanical coding.

This means that only associated pairs of male and female can be connected with the correct polarity. This ensures a clear separation from the connectors of the other product series.

### Features:

- Fast mounting through easy handling
- UV-resistant
- Rated current up to 32A (with 6.0 mm<sup>2</sup>)
- Cross-sections up to 6 mm<sup>2</sup>
- Degree of protection IP66/68 (3m; 2h) /69



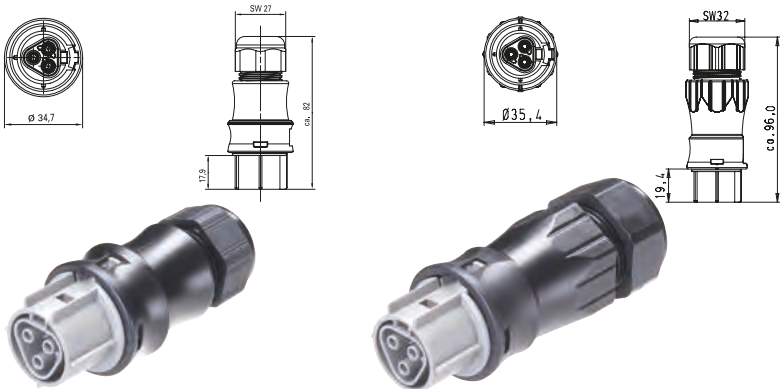
### Coding

|   |                                    |                  |                       |                            |               |
|---|------------------------------------|------------------|-----------------------|----------------------------|---------------|
| For daily updates visit the website at <a href="http://eshop.wieland-electric.com">http://eshop.wieland-electric.com</a> .<br>Assembly instructions and other technical information can be found in the Technical Data or in eShop. |                                    |                  |                       | Application                | 250V          |
|   |                                    |                  |                       | Mechanical coding          | L, N, ⊕<br>   |
| Name  | Description                        | Connection style | Strain relief housing | Connection points per pole | concrete gray |
| Connector   | 1 x cable entry                    | Screw            | yes                   | 1                          | ✓             |
| Distribution unit   | Distribution box RST RAN Solar     |                  |                       |                            | ✓             |
|   | Distribution box RST Solar         |                  |                       |                            | ✓             |
| Device connectors   | M25 device connector, standard     |                  |                       |                            | ✓             |
| Cable assemblies  | Connection cable Male – Free end   | pre-assembled    | pre-assembled         | pre-assembled              | ✓             |
|   | Connection cable Female – Free end | pre-assembled    | pre-assembled         | pre-assembled              | ✓             |
|   | Extension cable Male – Female      | pre-assembled    | pre-assembled         | pre-assembled              | ✓             |



Connectors, 25A, straight  
for cables Ø 10 – 14 mm and 13 – 18 mm  
(up to 32A with 6.0 mm²)

Female connector




with screw connection  
for cables Ø 10 – 14 mm

|               |                         |                  |
|---------------|-------------------------|------------------|
| Wire          | mm²                     |                  |
| solid         | up to 6.0 <sup>1)</sup> |                  |
| fine-stranded |                         | without ferrules |

with screw connection  
for cables Ø 13 – 18 mm

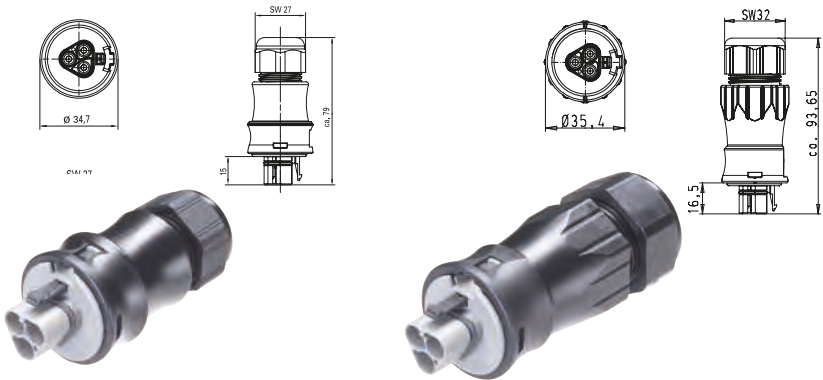
|               |                         |                  |
|---------------|-------------------------|------------------|
| Wire          | mm²                     |                  |
| solid         | up to 6.0 <sup>1)</sup> |                  |
| fine-stranded |                         | without ferrules |

| Application | Coding  | Color         |
|-------------|---|---------------|
| 250V        |  L, N, ⊕ | concrete gray |

| Part No.      |
|---------------|
| 96.031.4154.3 |

| Part No.      |
|---------------|
| 96.031.4554.3 |

Male connector




with screw connection  
for cables Ø 10 – 14 mm

|                |                         |                  |
|----------------|-------------------------|------------------|
| Wire           | mm²                     |                  |
| solid          | up to 6.0 <sup>1)</sup> |                  |
| fine-stranded  |                         | without ferrules |
| Locking device | yes                     |                  |

with screw connection  
for cables Ø 13 – 18 mm

|                |                         |                  |
|----------------|-------------------------|------------------|
| Wire           | mm²                     |                  |
| solid          | up to 6.0 <sup>1)</sup> |                  |
| fine-stranded  |                         | without ferrules |
| Locking device | yes                     |                  |

| Application | Coding  | Color         |
|-------------|---|---------------|
| 250V        |  L, N, ⊕ | concrete gray |

| Part No.      |
|---------------|
| 96.032.4154.3 |

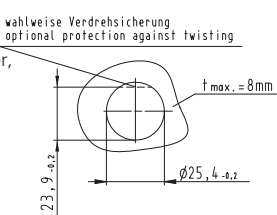
| Part No.      |
|---------------|
| 96.032.4554.3 |

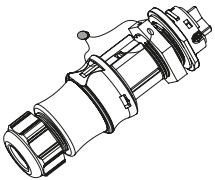
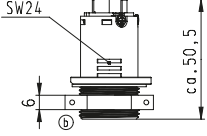
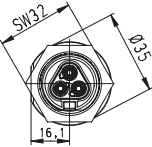

<sup>1)</sup> With 6.0 mm² wires the pull and bending forces at the connector must be taken into consideration and compensated by suitable measures if required


M25 device connector, 25 A  
straight (up to 32A with 6.0 mm²)

**Female connector**  
With sealing option

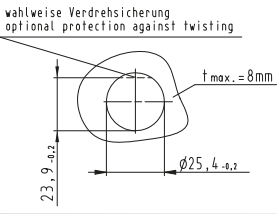
For spacer rings for unlocking the device connector, see Accessories.

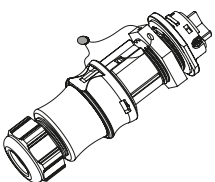
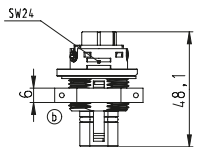
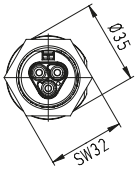






| Application | Coding  | Color         | Part No.      |
|-------------|---|---------------|---------------|
| 250V        |  L, N, ⊕ | concrete gray | 96.031.5054.3 |

**Male connector**  
With sealing option





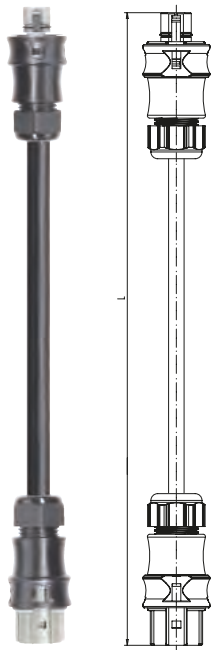
| Application | Coding  | Color         | Part No.      |
|-------------|---|---------------|---------------|
| 250V        |  L, N, ⊕ | concrete gray | 96.032.5054.3 |

## Cable assemblies

### Cable 3 x 4.0 mm<sup>2</sup>; 25 A

| Rated values        |                  |                  | Connection type of cable |  | Gland nut  |
|---------------------|------------------|------------------|--------------------------|--|------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock                |  | integrated |
| Sheath strip length | (open cable end) | 35 mm            | Color cable              |  | black      |
| Wire strip length   | (open cable end) | 9 mm             | Color handle shell       |  | black      |

#### Connection cables female – male



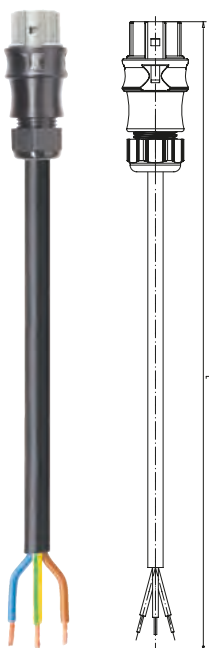
**250V**  
**concrete gray**



| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>PVC cable</b><br><b>H05VV-F</b><br>containing halogen | 1.0      | 96.834.1000.3 |
|  | 1.5      | 96.834.1500.3 |
|  | 2.0      | 96.834.2000.3 |
|  | 2.5      | 96.834.2500.3 |
|  | 3.0      | 96.834.3000.3 |
|  | 3.5      | 96.834.3500.3 |
|  | 4.0      | 96.834.4000.3 |

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>Rubber-sheathed cable</b><br><b>H07RN-F</b><br>containing halogen | 1.0      | 96.834.1030.3 |
|  | 1.5      | 96.834.1530.3 |
|  | 2.0      | 96.834.2030.3 |
|  | 2.5      | 96.834.2530.3 |
|  | 3.0      | 96.834.3030.3 |
|  | 3.5      | 96.834.3530.3 |
|  | 4.0      | 96.834.4030.3 |

#### Connection cables female – free end



**250V**  
**concrete gray**



| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>PVC cable</b><br><b>H05VV-F</b><br>containing halogen | 1.0      | 96.834.1003.3 |
|  | 1.5      | 96.834.1503.3 |
|  | 2.0      | 96.834.2003.3 |
|  | 2.5      | 96.834.2503.3 |
|  | 3.0      | 96.834.3003.3 |
|  | 3.5      | 96.834.3503.3 |
|  | 4.0      | 96.834.4003.3 |

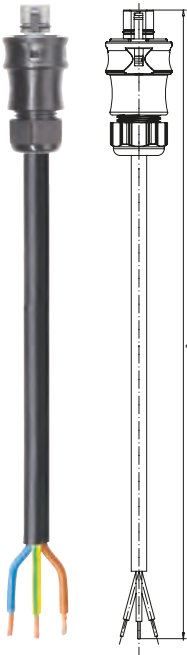
Cable diameter 11.2 mm ± 0.2  
According to VDE 0281/T5 and VDE 0288/T4

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>Rubber-sheathed cable</b><br><b>H07RN-F</b><br>containing halogen | 1.0      | 96.834.1033.3 |
|  | 1.5      | 96.834.1533.3 |
|  | 2.0      | 96.834.2033.3 |
|  | 2.5      | 96.834.2533.3 |
|  | 3.0      | 96.834.3033.3 |
|  | 3.5      | 96.834.3533.3 |
|  | 4.0      | 96.834.4033.3 |

Cable diameter 13.4 mm ± 0.3  
According to VDE 0281/T5 and VDE 0288/T4

Cable assemblies  
Cable 3 x 4.0 mm<sup>2</sup>; 25 A

Connection cables male – free end



250V  
concrete gray



⊕ = GN/VE  
N = BU  
L = BN

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br><br>containing halogen | 1.0      | 96.834.1004.3 |
|  | 1.5      | 96.834.1504.3 |
|  | 2.0      | 96.834.2004.3 |
|  | 2.5      | 96.834.2504.3 |
|  | 3.0      | 96.834.3004.3 |
|  | 3.5      | 96.834.3504.3 |
|  | 4.0      | 96.834.4004.3 |

Cable diameter 11.2 mm ± 0.2  
According to VDE 0281/T5 and VDE 0288/T4

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br><br>containing halogen | 1.0      | 96.834.1034.3 |
|  | 1.5      | 96.834.1534.3 |
|  | 2.0      | 96.834.2034.3 |
|  | 2.5      | 96.834.2534.3 |
|  | 3.0      | 96.834.3034.3 |
|  | 3.5      | 96.834.3534.3 |
|  | 4.0      | 96.834.4034.3 |

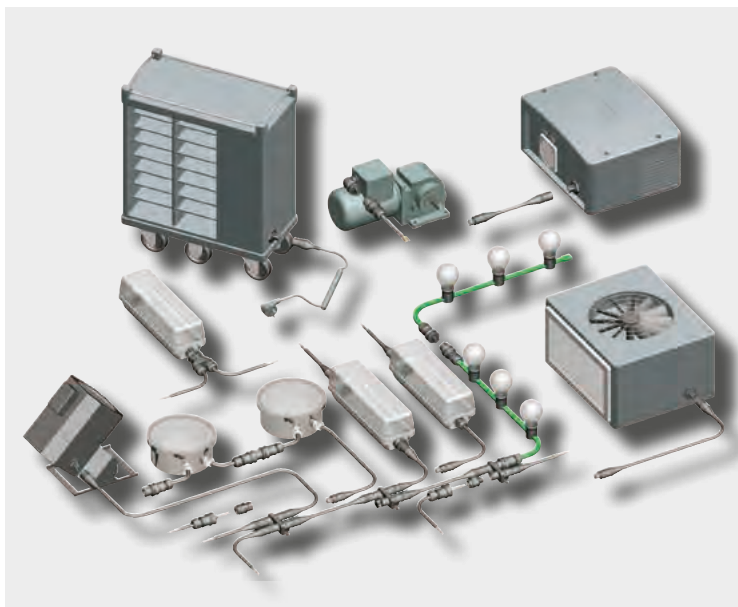
Cable diameter 13.4 mm ± 0.3  
According to VDE 0281/T5 and VDE 0288/T4





## 2 versions for connecting electrical drives or for routing AS-i and extra-low voltages up to ~50/-120V

### Application example



### General

The four pole connector is based on the 5-pole variation with one pole not configured.

There are two mechanical codings. The black or light grey coding for applications up to 250/400V (e.g. connection of electrical drives) and the brown coding for extra-low voltages, for example for joint routing of the AS Interface and the 24V auxiliary voltage.

They are mechanically coded. This means that only associated pairs of male and female can be connected with the correct polarity. This ensures a clear separation from the connectors of the other product series.

### Coding

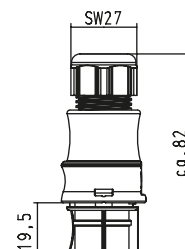
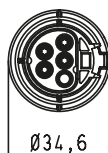
| For daily updates visit the website at <a href="http://eshop.wieland-electric.com">http://eshop.wieland-electric.com</a> .<br>Assembly instructions and other technical information can be found in the Technical Data or in eShop. |  |                  |                       |                            | Application       |            | 250/400V     | ~50/-120V  |
|---|--|------------------|-----------------------|----------------------------|-------------------|------------|--------------|------------|
|   |  |                  |                       |                            | Mechanical coding |            | 1, 2, 3, ⊕   | 1, 2, 3, 4 |
| Name  | Description  | Connection style | Strain relief housing | Connection points per pole | light gray        | black      | signal brown |            |
| Connector   | 1 x cable entry  | Screw Crimp      | yes                   | 1                          | ✓                 | ✓          | ✓            |            |
|   | 2 x cable entry  | Screw            | yes                   | 1                          | ✓                 | ✓          | ✓            |            |
| Distribution units  | RST compact distribution unit/ multi-distribution unit |                  |                       |                            | on request        | on request | on request   |            |
|   | Individual distribution box                            |                  |                       |                            | on request        | on request | on request   |            |
| Device connectors   | M16 device connector, modular, straight                |                  |                       |                            | ✓                 | ✓          | ✓            |            |
|   | M16 device connector, modular, angled 7°               |                  |                       |                            | ✓                 | ✓          | ✓            |            |
|   | M25 device connector, standard                         |                  |                       |                            | ✓                 | ✓          | ✓            |            |
|   | M20 device connector, standard                         |                  |                       |                            | ✓                 | ✓          | ✓            |            |
|   | M20 device connector, modular, straight                |                  |                       |                            | ✓                 | ✓          | ✓            |            |
|   | M25 device connector, modular, angled                  |                  |                       |                            | ✓                 | ✓          | ✓            |            |
| Cable assemblies  | Connection cable Male – Free end                       | pre-assembled    | pre-assembled         | pre-assembled              | ✓                 | ✓          | ✓            |            |
|   | Connection cable Female – Free end                     | pre-assembled    | pre-assembled         | pre-assembled              | ✓                 | ✓          | ✓            |            |
|   | Extension cable Male – Female                          | pre-assembled    | pre-assembled         | pre-assembled              | ✓                 | ✓          | ✓            |            |
|   | Extension cable Male – Female                          | pre-assembled    | pre-assembled         | pre-assembled              | ✓                 | ✓          | ✓            |            |

## Connectors, straight for cables Ø 6 – 10 mm and 10 – 14 mm

### Female connector

Unmounted with cable gland.  
Crimp contacts separately available under  
Accessories.

See Technical Data for sheath and insulation strip  
lengths.





#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>  |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |

#### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |

| Application | Coding   | Cable diameter in mm             | Color               | Part No.                       | Part No.                       |
|-------------|--|----------------------------------|---------------------|--------------------------------|--------------------------------|
| 250/400V    |  1, 2, 3, ⊕  | 6 – 10                           | light gray<br>black | 96.041.4053.0<br>96.041.4053.1 | 96.141.0053.0<br>96.141.0053.1 |
|             |  | 10 – 14                          | light gray<br>black | 96.041.4153.0<br>96.041.4153.1 | 96.141.0153.0<br>96.141.0153.1 |
| ~50/-120V   |  1, 2, 3, 4 | 6 – 10<br>1 x AS-i profile cable | signal brown        | 96.041.4051.4<br>96.041.4951.4 |                                |

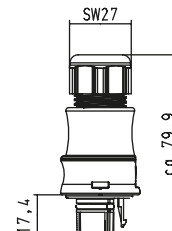
Contacts separately under Accessories, see following  
pages.

### Male connector

Unmounted with cable gland and locking device.

Crimp contacts separately available under  
Accessories.

See Technical Data for sheath and insulation strip  
lengths.



#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>  |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |

#### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |

| Application | Coding   | Cable diameter in mm             | Color               | Part No.                       | Part No.                       |
|-------------|--|----------------------------------|---------------------|--------------------------------|--------------------------------|
| 250/400V    |  1, 2, 3, ⊕ | 6 – 10                           | light gray<br>black | 96.042.4053.0<br>96.042.4053.1 | 96.142.0053.0<br>96.142.0053.1 |
|             |  | 10 – 14                          | light gray<br>black | 96.042.4153.0<br>96.042.4153.1 | 96.142.0153.0<br>96.142.0153.1 |
| ~50/-120V   |  1, 2, 3, 4 | 6 – 10<br>1 x AS-i profile cable | signal brown        | 96.042.4051.4<br>96.042.4951.4 |                                |

Contacts separately under Accessories, see following  
pages.

<sup>1)</sup> With wire protection available on request

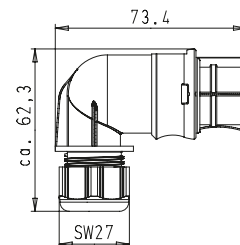
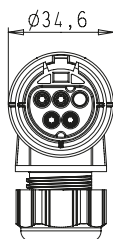
## Connectors, angled 90° for cables Ø 6 – 10 mm and 10 – 14 mm

### Female connector

Unmounted with cable gland.  
90° angle.

Crimp contacts separately available under  
Accessories.

See Technical Data for sheath and insulation strip  
lengths.






#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>  |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |

#### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |

| Application | Coding  | Cable diameter in mm | Color                  |
|-------------|---|----------------------|------------------------|
| 250/400V    |   | 1, 2, 3, ⊕           | 6 – 10                 |
|             |   |                      | light gray<br>black    |
| ~50/-120V   |  | 1, 2, 3, 4           | 10 – 14                |
|             |   |                      | light gray<br>black    |
| ~50/-120V   |  | 1, 2, 3, 4           | 6 – 10                 |
|             |   |                      | signal brown           |
|             |   |                      | 1 x AS-i profile cable |
|             |   |                      | 2 x AS-i profile cable |

| Part No.      |
|---------------|
| 96.043.4053.0 |
| 96.043.4053.1 |
| 96.043.4153.0 |
| 96.043.4153.1 |
| 96.043.4051.4 |
| 96.043.4951.4 |
| 96.043.4851.4 |

| Part No.      |
|---------------|
| 96.143.0053.0 |
| 96.143.0053.1 |
| 96.143.0153.0 |
| 96.143.0153.1 |

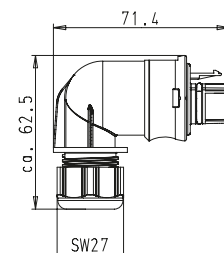
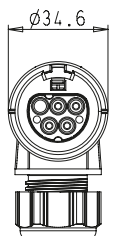
Contacts separately under Accessories, see following  
pages.

### Male connector

Unmounted with cable gland and locking device.  
90° angle.

Crimp contacts separately available under  
Accessories.

See Technical Data for sheath and insulation strip  
lengths.






#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>  |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |

#### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |

| Application | Coding  | Cable diameter in mm | Color                  |
|-------------|---|----------------------|------------------------|
| 250/400V    |  | 1, 2, 3, ⊕           | 6 – 10                 |
|             |   |                      | light gray<br>black    |
| ~50/-120V   |  | 1, 2, 3, 4           | 10 – 14                |
|             |   |                      | light gray<br>black    |
| ~50/-120V   |  | 1, 2, 3, 4           | 6 – 10                 |
|             |   |                      | signal brown           |
|             |   |                      | 1 x AS-i profile cable |
|             |   |                      | 2 x AS-i profile cable |

| Part No.      |
|---------------|
| 96.044.4053.0 |
| 96.044.4053.1 |
| 96.044.4153.0 |
| 96.044.4153.1 |
| 96.044.4051.4 |
| 96.044.4951.4 |
| 96.044.4851.4 |

| Part No.      |
|---------------|
| 96.144.0053.0 |
| 96.144.0053.1 |
| 96.144.0153.0 |
| 96.144.0153.1 |

Contacts separately under Accessories, see following  
pages.

<sup>1)</sup> With wire protection available on request



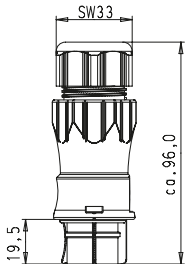
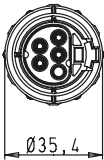
Connectors, straight  
for cables Ø 13 – 18 mm


Female connector

Unmounted with cable gland.

Crimp contacts separately available under Accessories.

See Technical Data for sheath and insulation strip lengths.



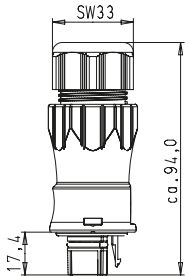
| with screw connection <sup>1)</sup>                         |   |                      |                     | with crimp connection          |                                |
|---|---|----------------------|---------------------|--------------------------------|--------------------------------|
| Wire  |   | mm²                  |                     | Wire                           | mm²                            |
| rigid   |   |                      |                     | fine-stranded                  | 0.75 – 4.0                     |
| fine-stranded   |   | up to 4.0            |                     |                                |                                |
| stranded  |   | without ferrules     |                     |                                |                                |
| Application   | Coding  | Cable diameter in mm | Color               | Part No.                       | Part No.                       |
| 250/400V  |  1, 2, 3, ⊕ | 13 – 18              | light gray<br>black | 96.041.4553.0<br>96.041.4553.1 | 96.141.0553.0<br>96.141.0553.1 |
| Contacts separately under Accessories, see following pages. |   |                      |                     |                                |                                |


Male connector

Unmounted with cable gland and locking device.

Crimp contacts separately available under Accessories.

See Technical Data for sheath and insulation strip lengths.



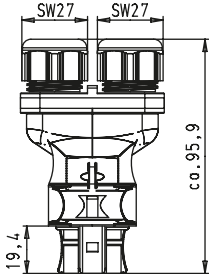
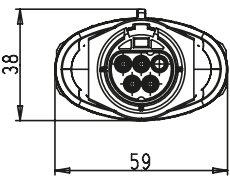
| with screw connection <sup>1)</sup>                         |  |                      |                     | with crimp connection          |                                |
|---|--|----------------------|---------------------|--------------------------------|--------------------------------|
| Wire  |  | mm2                  |                     | Wire                           | mm²                            |
| rigid   |  |                      |                     | fine-stranded                  | 0.75 – 4.0                     |
| fine-stranded   |  | 0.75 – 4.0           |                     |                                |                                |
| stranded  |  | without ferrules     |                     |                                |                                |
| Application   | Coding   | Cable diameter in mm | Color               | Part No.                       | Part No.                       |
| 250/400V  |  1, 2, 3, ⊕ | 13 – 18              | light gray<br>black | 96.042.4553.0<br>96.042.4553.1 | 96.142.0553.0<br>96.142.0553.1 |
| Contacts separately under Accessories, see following pages. |  |                      |                     |                                |                                |

<sup>1)</sup> With wire protection available on request

Splitter connector, straight  
for cables Ø 6 – 10 mm and 10 –14 mm

Female connector

Unmounted with cable glands.  
See Technical Data for sheath and insulation strip lengths.

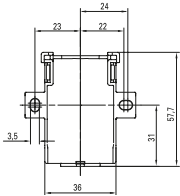


with screw connection<sup>1)</sup>

|               |                  |
|---------------|------------------|
| Wire          | mm <sup>2</sup>  |
| rigid         |                  |
| fine-stranded | 0.75 – 1.5       |
| stranded      | without ferrules |

| Application | Coding | Cable diameter in mm | Color               | Part No.                       |
|-------------|--------|----------------------|---------------------|--------------------------------|
| 250/400V    |        | 6 – 10               | light gray<br>black | 96.041.4253.0<br>96.041.4253.1 |
|             |        | 10 – 14              | light gray<br>black | 96.041.4353.0<br>96.041.4353.1 |

Mounting plate for splitter connectors



| Color | Part No.      |
|-------|---------------|
| gray  | 01.006.1553.0 |
| black | 01.006.1553.1 |

<sup>1)</sup> With wire protection available on request

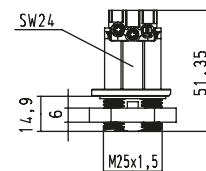
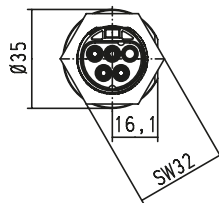
## M25 device connector straight, standard

### Female connector

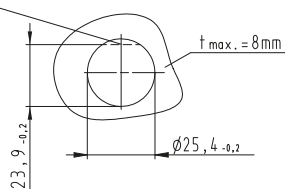
Correct positioning guaranteed due to flattened thread. Fastening with screws from outside.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.  
For spacer rings for unlocking the device connector, see Accessories.



wahlweise Verdrehsicherung  
optional protection against twisting





#### with screw connection

| Wire          | mm <sup>2</sup>  |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |
| Term. poles   | 1                |
| Thread        | M25 x 1.5        |
| Gland         | outside          |

#### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M25 x 1.5       |
| Gland         | outside         |

| Application | Coding   | Color               |
|-------------|--|---------------------|
| 250/400V    |  1, 2, 3, 4 | light gray<br>black |
| ~50/-120V   |  1, 2, 3, 4 | signal brown        |

| Part No.                       |
|--------------------------------|
| 96.041.5053.0<br>96.041.5053.1 |
| 96.041.5051.4                  |

| Part No.                       |
|--------------------------------|
| 96.141.1053.0<br>96.141.1053.1 |

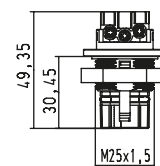
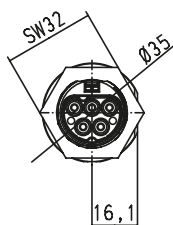
Contacts separately under Accessories, see following pages.

### Male connector

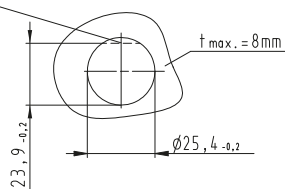
Correct positioning guaranteed due to flattened thread. Fastening with screws from outside.  
With locking device.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.



wahlweise Verdrehsicherung  
optional protection against twisting





#### with screw connection

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Term. poles    | 1                |
| Thread         | M25 x 1.5        |
| Gland          | outside          |
| Locking device | yes              |

#### with crimp connection

| Wire           | mm <sup>2</sup> |
|----------------|-----------------|
| fine-stranded  | 0.75 – 4.0      |
| Term. poles    | 1               |
| Thread         | M25 x 1.5       |
| Gland          | outside         |
| Locking device | yes             |

| Application | Coding   | Color               |
|-------------|--|---------------------|
| 250/400V    |  1, 2, 3, 4 | light gray<br>black |
| ~50/-120V   |  1, 2, 3, 4 | signal brown        |

| Part No.                       |
|--------------------------------|
| 96.042.5053.0<br>96.042.5053.1 |
| 96.042.5051.4                  |

| Part No.                       |
|--------------------------------|
| 96.142.1053.0<br>96.142.1053.1 |

Contacts separately under Accessories, see following pages.

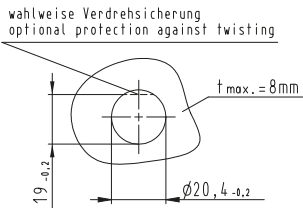
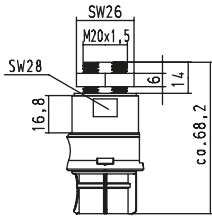
M20 device connector  
straight, modular

Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.





with screw connection

|               |                  |
|---------------|------------------|
| Wire          | mm²              |
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |
| Term. poles   | 1                |
| Thread        | M20 x 1.5        |
| Gland         | inside           |

with crimp connection

|               |            |
|---------------|------------|
| Wire          | mm²        |
| fine-stranded | 0.75 – 4.0 |
| Term. poles   | 1          |
| Thread        | M20 x 1.5  |
| Gland         | inside     |

| Application | Coding   | Color               |
|-------------|--|---------------------|
| 250/400V    |  1, 2, 3, 4 | light gray<br>black |
| ~50/-120V   |  1, 2, 3, 4 | signal brown        |

| Part No.  |
|---|
| 96.041.6053.0<br>96.041.6053.1<br>96.041.6051.4 |

| Part No.                       |
|--------------------------------|
| 96.141.2053.0<br>96.141.2053.1 |

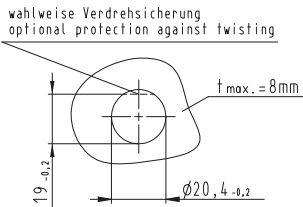
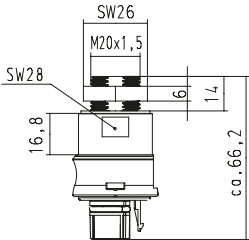
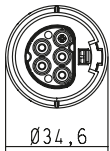
Contacts separately under Accessories, see following pages.

Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.  
With locking device.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.





with screw connection

|                |                  |
|----------------|------------------|
| Leitungen      | mm²              |
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Term. poles    | 1                |
| Thread         | M20 x 1.5        |
| Gland          | inside           |
| Locking device | yes              |

with crimp connection

|                |            |
|----------------|------------|
| Leitungen      | mm²        |
| fine-stranded  | 0.75 – 4.0 |
| Term. poles    | 1          |
| Thread         | M20 x 1.5  |
| Gland          | inside     |
| Locking device | yes        |

| Application | Coding   | Color               |
|-------------|--|---------------------|
| 250/400V    |  1, 2, 3, 4 | light gray<br>black |
| ~50/-120V   |  1, 2, 3, 4 | signal brown        |

| Part No.  |
|---|
| 96.042.6053.0<br>96.042.6053.1<br>96.042.6051.4 |

| Part No.                       |
|--------------------------------|
| 96.142.2053.0<br>96.142.2053.1 |

Contacts separately under Accessories, see following pages.



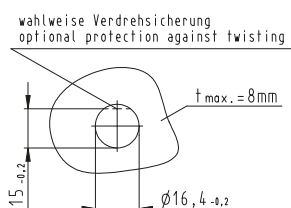
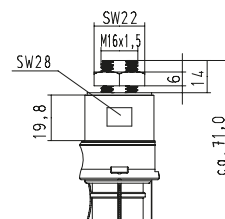
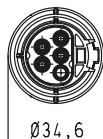
# M16 device connector straight, modular

## Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.





### with screw connection

| Wire          | mm <sup>2</sup>  |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |
| Term. poles   | 1                |
| Thread        | M16 x 1.5        |
| Gland         | inside           |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

| Application | Coding   | Color               |
|-------------|--|---------------------|
| 250/400V    |  1, 2, 3, 4 | light gray<br>black |
| ~50/-120V   |  1, 2, 3, 4 | signal brown        |

| Part No.                       |
|--------------------------------|
| 96.041.6153.0<br>96.041.6153.1 |
| 96.041.6151.4                  |

| Part No.                       |
|--------------------------------|
| 96.141.2153.0<br>96.141.2153.1 |

Contacts separately under Accessories, see following pages.

## Male connector

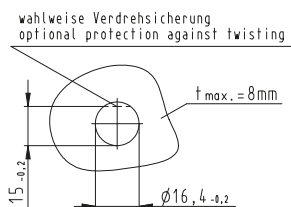
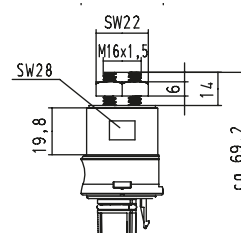
Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

With locking device.

Wire strip lengthn siehe unter Technical data.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.





### with screw connection

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Term. poles    | 1                |
| Thread         | M16 x 1.5        |
| Gland          | inside           |
| Locking device | yes              |

### with crimp connection

| Wire           | mm <sup>2</sup> |
|----------------|-----------------|
| fine-stranded  | 0.75 – 4.0      |
| Term. poles    | 1               |
| Thread         | M16 x 1.5       |
| Gland          | inside          |
| Locking device | yes             |

| Application | Coding   | Color               |
|-------------|--|---------------------|
| 250/400V    |  1, 2, 3, 4 | light gray<br>black |
| ~50/-120V   |  1, 2, 3, 4 | signal brown        |

| Part No.                       |
|--------------------------------|
| 96.042.6153.0<br>96.042.6153.1 |
| 96.042.6151.4                  |

| Part No.                       |
|--------------------------------|
| 96.142.2153.0<br>96.142.2153.1 |

Contacts separately under Accessories, see following pages.

<sup>1)</sup> With wire protection available on request

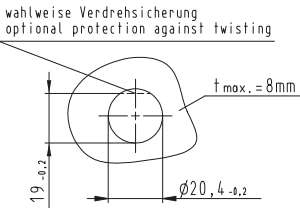
M16 device connector  
angled 7°, modular

Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. Angled 7°, thread M16.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.





with screw connection

|               |                  |
|---------------|------------------|
| Wire          | mm²              |
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |
| Term. poles   | 1                |
| Thread        | M16 x 1.5        |
| Gland         | inside           |

with crimp connection

|               |            |
|---------------|------------|
| Wire          | mm²        |
| fine-stranded | 0.75 – 4.0 |
| Term. poles   | 1          |
| Thread        | M16 x 1.5  |
| Gland         | inside     |

| Application | Coding   | Color               |
|-------------|--|---------------------|
| 250/400V    |  1, 2, 3, 4 | light gray<br>black |
| ~50/-120V   |  1, 2, 3, 4 | signal brown        |

| Part No.                       |
|--------------------------------|
| 96.045.6153.0<br>96.045.6153.1 |
| 96.045.6151.4                  |

| Part No.                       |
|--------------------------------|
| 96.145.2153.0<br>96.145.2153.1 |

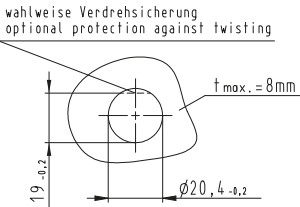
Contacts separately under Accessories, see following pages.

Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. Angled 7°, thread M16. With locking device.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.





with screw connection

|                |                  |
|----------------|------------------|
| Wire           | mm²              |
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Term. poles    | 1                |
| Thread         | M16 x 1.5        |
| Gland          | inside           |
| Locking device | yes              |

with crimp connection

|                |            |
|----------------|------------|
| Wire           | mm²        |
| fine-stranded  | 0.75 – 4.0 |
| Term. poles    | 1          |
| Thread         | M16 x 1.5  |
| Gland          | inside     |
| Locking device | yes        |

| Application | Coding   | Color               |
|-------------|--|---------------------|
| 250/400V    |  1, 2, 3, 4 | light gray<br>black |
| ~50/-120V   |  1, 2, 3, 4 | signal brown        |

| Part No.                       |
|--------------------------------|
| 96.046.6153.0<br>96.046.6153.1 |
| 96.046.6151.4                  |

| Part No.                       |
|--------------------------------|
| 96.146.2153.0<br>96.146.2153.1 |

Contacts separately under Accessories, see following pages.

<sup>1)</sup> With wire protection available on request

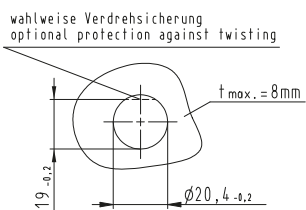
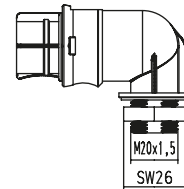
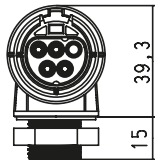
## M20 device connector angled 90°, modular

### Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.  
Angled 90°, thread M20.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.





#### with screw connection

|               |                  |
|---------------|------------------|
| Wire          | mm <sup>2</sup>  |
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |
| Term. poles   | 1                |
| Thread        | M20 x 1.5        |
| Gland         | inside           |

#### with crimp connection

|               |                 |
|---------------|-----------------|
| Wire          | mm <sup>2</sup> |
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

| Application | Coding   | Color               |
|-------------|--|---------------------|
| 250/400V    |  1, 2, 3, 4 | light gray<br>black |
| ~50/-120V   |  1, 2, 3, 4 | signal brown        |

| Part No.                       |
|--------------------------------|
| 96.043.6053.0<br>96.043.6053.1 |
| 96.043.6051.4                  |

| Part No.                       |
|--------------------------------|
| 96.143.2053.0<br>96.143.2053.1 |

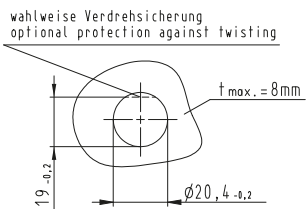
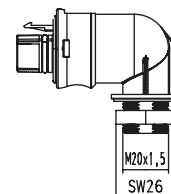
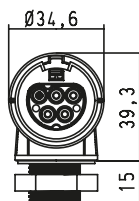
Contacts separately under Accessories, see following pages.

### Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.  
Angled 90°, thread M20.  
With locking device.

Crimp contacts separately available under Accessories-

See the Technical Data for insulation strip lengths.





#### with screw connection

|                |                  |
|----------------|------------------|
| Wire           | mm <sup>2</sup>  |
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Term. poles    | 1                |
| Thread         | M20 x 1.5        |
| Gland          | inside           |
| Locking device | yes              |

#### with crimp connection

|                |                 |
|----------------|-----------------|
| Wire           | mm <sup>2</sup> |
| fine-stranded  | 0.75 – 4.0      |
| Term. poles    | 1               |
| Thread         | M20 x 1.5       |
| Gland          | inside          |
| Locking device | yes             |

| Application | Coding   | Color               |
|-------------|--|---------------------|
| 250/400V    |  1, 2, 3, 4 | light gray<br>black |
| ~50/-120V   |  1, 2, 3, 4 | signal brown        |

| Part No.                       |
|--------------------------------|
| 96.044.6053.0<br>96.044.6053.1 |
| 96.044.6051.4                  |

| Part No.                       |
|--------------------------------|
| 96.144.2053.0<br>96.144.2053.1 |

Contacts separately under Accessories, see following pages.

<sup>1)</sup> With wire protection available on request

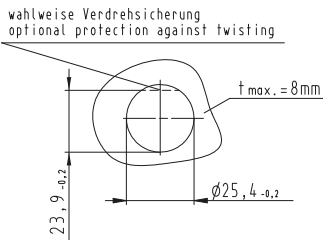
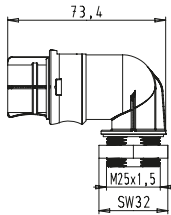
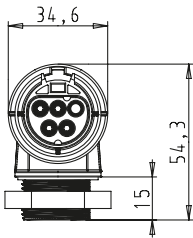
M25 device connector  
angled 90°, modular

Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.  
Angled 90°, thread M25.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.



with screw connection

|               |                  |
|---------------|------------------|
| Wire          | mm²              |
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |
| Term. poles   | 1                |
| Thread        | M25 x 1.5        |
| Gland         | inside           |

with crimp connection

|               |            |
|---------------|------------|
| Wire          | mm²        |
| fine-stranded | 0.75 – 4.0 |
| Term. poles   | 1          |
| Thread        | M25 x 1.5  |
| Gland         | inside     |

| Application | Coding     | Color               |
|-------------|------------|---------------------|
| 250/400V    | 1, 2, 3, 4 | light gray<br>black |
| ~50/-120V   | 1, 2, 3, 4 | signal brown        |

| Part No.                       |
|--------------------------------|
| 96.043.6253.0<br>96.043.6253.1 |
| 96.043.6251.4                  |

| Part No.                       |
|--------------------------------|
| 96.143.2253.0<br>96.143.2253.1 |

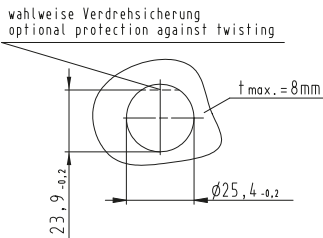
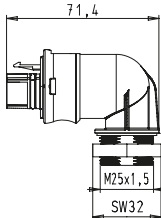
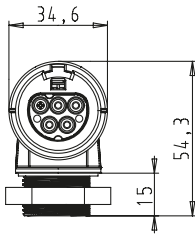
Contacts separately under Accessories, see following pages.

Male connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.  
Angled 90°, thread M25.  
With locking device.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.



with screw connection

|                |                  |
|----------------|------------------|
| Wire           | mm²              |
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Term. poles    | 1                |
| Thread         | M25 x 1.5        |
| Gland          | inside           |
| Locking device | yes              |

with crimp connection

|                |            |
|----------------|------------|
| Wire           | mm²        |
| fine-stranded  | 0.75 – 4.0 |
| Term. poles    | 1          |
| Thread         | M25 x 1.5  |
| Gland          | inside     |
| Locking device | yes        |

| Application | Coding     | Color               |
|-------------|------------|---------------------|
| 250/400V    | 1, 2, 3, 4 | light gray<br>black |
| ~50/-120V   | 1, 2, 3, 4 | signal brown        |

| Part No.                       |
|--------------------------------|
| 96.044.6253.0<br>96.044.6253.1 |
| 96.044.6251.4                  |

| Part No.                       |
|--------------------------------|
| 96.144.2253.0<br>96.144.2253.1 |

Contacts separately under Accessories, see following pages.

<sup>1)</sup> With wire protection available on request

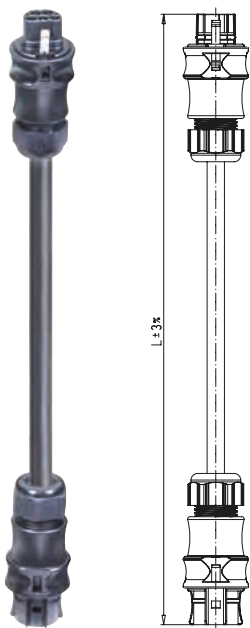


## Cable assemblies

### Cable 4 x 1.5 mm<sup>2</sup>; 16 A

| Rated values        |                  |                  | Pull relief        | Gland nut  |
|---------------------|------------------|------------------|--------------------|------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock          | integrated |
| Sheath strip length | (open cable end) | 35 mm            | Color cable        | black      |
| Wire strip length   | (open cable end) | 9 mm             | Color handle shell | black      |

#### Connection cables female – male



250/400V  
black

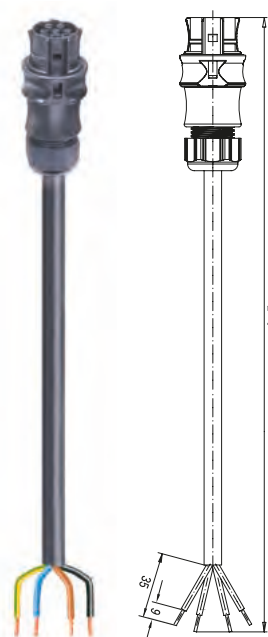


| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>PVC cable</b><br><b>H05VV-F</b><br>containing halogen | 1        | 96.442.1000.1 |
|  | 2        | 96.442.2000.1 |
|  | 3        | 96.442.3000.1 |
|  | 4        | 96.442.4000.1 |
|  | 5        | 96.442.5000.1 |
|  | 6        | 96.442.6000.1 |
|  | 7        | 96.442.7000.1 |
|  | 8        | 96.442.8000.1 |

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>Rubber-sheathed cable</b><br><b>H07RN-F</b><br>containing halogen | 1        | 96.442.1030.1 |
|  | 2        | 96.442.2030.1 |
|  | 3        | 96.442.3030.1 |
|  | 4        | 96.442.4030.1 |
|  | 5        | 96.442.5030.1 |
|  | 6        | 96.442.6030.1 |
|  | 7        | 96.442.7030.1 |
|  | 8        | 96.442.8030.1 |

4-pole cables - one pole is not configured

#### Connection cables female – free end



250/400V  
black



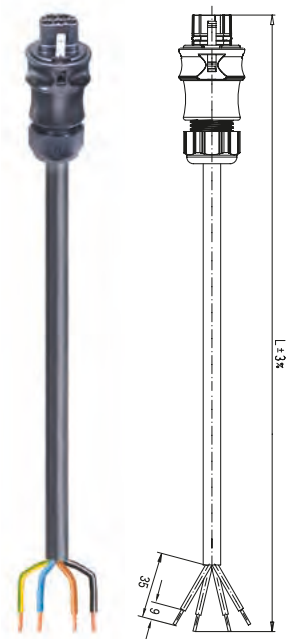
| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>PVC cable</b><br><b>H05VV-F</b><br>containing halogen | 1        | 96.442.1003.1 |
|  | 2        | 96.442.2003.1 |
|  | 3        | 96.442.3003.1 |
|  | 4        | 96.442.4003.1 |
|  | 5        | 96.442.5003.1 |
|  | 6        | 96.442.6003.1 |
|  | 7        | 96.442.7003.1 |
|  | 8        | 96.442.8003.1 |

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>Rubber-sheathed cable</b><br><b>H07RN-F</b><br>containing halogen | 1        | 96.442.1033.1 |
|  | 2        | 96.442.2033.1 |
|  | 3        | 96.442.3033.1 |
|  | 4        | 96.442.4033.1 |
|  | 5        | 96.442.5033.1 |
|  | 6        | 96.442.6033.1 |
|  | 7        | 96.442.7033.1 |
|  | 8        | 96.442.8033.1 |

4-pole cables - one pole is not configured

Cable assemblies  
Cable 4 x 1.5 mm<sup>2</sup>; 16 A

Connection cables male – free end



4-pole cables - one pole is not configured

250/400V  
black



| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>PVC cable</b><br><b>H05VV-F</b><br><br>containing halogen | 1        | 96.442.1004.1 |
|  | 2        | 96.442.2004.1 |
|  | 3        | 96.442.3004.1 |
|  | 4        | 96.442.4004.1 |
|  | 5        | 96.442.5004.1 |
|  | 6        | 96.442.6004.1 |
|  | 7        | 96.442.7004.1 |
|  | 8        | 96.442.8004.1 |

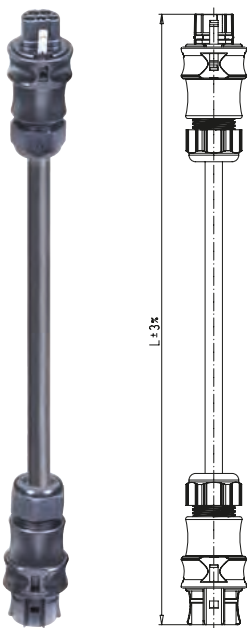
| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>Rubber-sheathed cable</b><br><b>H07RN-F</b><br><br>containing halogen | 1        | 96.442.1034.1 |
|  | 2        | 96.442.2034.1 |
|  | 3        | 96.442.3034.1 |
|  | 4        | 96.442.4034.1 |
|  | 5        | 96.442.5034.1 |
|  | 6        | 96.442.6034.1 |
|  | 7        | 96.442.7034.1 |
|  | 8        | 96.442.8034.1 |

## Cable assemblies

### Cable 4 x 2.5 mm<sup>2</sup>; 20 A

| Rated values        |                  |                  | Pull relief        | Gland nut  |
|---------------------|------------------|------------------|--------------------|------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock          | integrated |
| Sheath strip length | (open cable end) | 35 mm            | Color cable        | black      |
| Wire strip length   | (open cable end) | 9 mm             | Color handle shell | black      |

#### Connection cables female – male



250/400V  
black

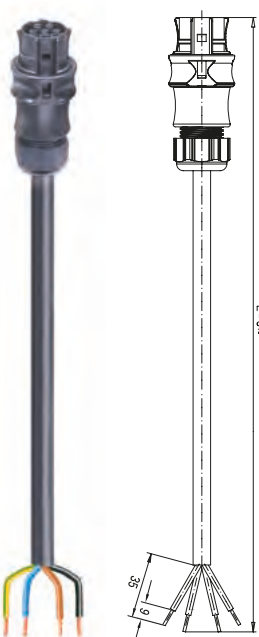


| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 1        | 96.443.1000.1 |
|  | 2        | 96.443.2000.1 |
|  | 3        | 96.443.3000.1 |
|  | 4        | 96.443.4000.1 |
|  | 5        | 96.443.5000.1 |
|  | 6        | 96.443.6000.1 |
|  | 7        | 96.443.7000.1 |
|  | 8        | 96.443.8000.1 |

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 1        | 96.443.1030.1 |
|  | 2        | 96.443.2030.1 |
|  | 3        | 96.443.3030.1 |
|  | 4        | 96.443.4030.1 |
|  | 5        | 96.443.5030.1 |
|  | 6        | 96.443.6030.1 |
|  | 7        | 96.443.7030.1 |
|  | 8        | 96.443.8030.1 |

4-pole cables - one pole is not configured

#### Connection cables female – free end



250/400V  
black



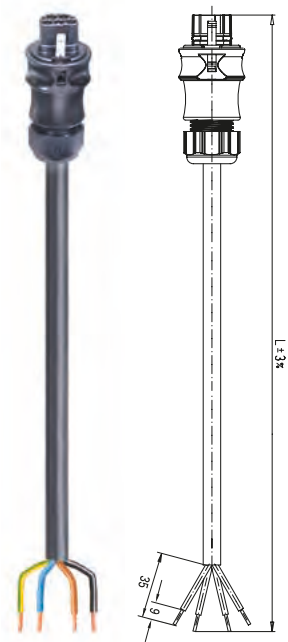
| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 1        | 96.443.1003.1 |
|  | 2        | 96.443.2003.1 |
|  | 3        | 96.443.3003.1 |
|  | 4        | 96.443.4003.1 |
|  | 5        | 96.443.5003.1 |
|  | 6        | 96.443.6003.1 |
|  | 7        | 96.443.7003.1 |
|  | 8        | 96.443.8003.1 |

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 1        | 96.443.1033.1 |
|  | 2        | 96.443.2033.1 |
|  | 3        | 96.443.3033.1 |
|  | 4        | 96.443.4033.1 |
|  | 5        | 96.443.5033.1 |
|  | 6        | 96.443.6033.1 |
|  | 7        | 96.443.7033.1 |
|  | 8        | 96.443.8033.1 |

4-pole cables - one pole is not configured

Cable assemblies  
Cable 4 x 2.5 mm<sup>2</sup>; 20 A

Connection cables male – free end



4-pole cables - one pole is not configured

250/400V  
black



⊕ = GN/YE  
1 = BN  
2 = BK  
3 = BU

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>PVC cable</b><br><b>H05VV-F</b><br><br>containing halogen | 1        | 96.443.1004.1 |
|  | 2        | 96.443.2004.1 |
|  | 3        | 96.443.3004.1 |
|  | 4        | 96.443.4004.1 |
|  | 5        | 96.443.5004.1 |
|  | 6        | 96.443.6004.1 |
|  | 7        | 96.443.7004.1 |
|  | 8        | 96.443.8004.1 |

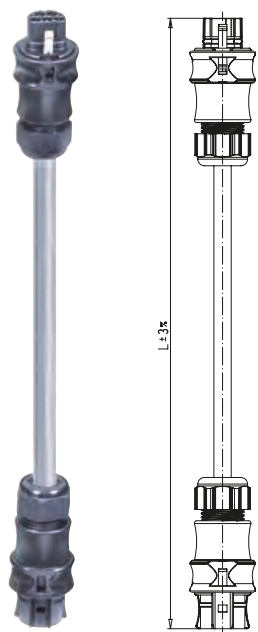
| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>Rubber-sheathed cable</b><br><b>H07RN-F</b><br><br>containing halogen | 1        | 96.443.1034.1 |
|  | 2        | 96.443.2034.1 |
|  | 3        | 96.443.3034.1 |
|  | 4        | 96.443.4034.1 |
|  | 5        | 96.443.5034.1 |
|  | 6        | 96.443.6034.1 |
|  | 7        | 96.443.7034.1 |
|  | 8        | 96.443.8034.1 |



Cable assemblies  
Cable 4 x 1.5 mm<sup>2</sup>; 16 A

| Rated values        |                  |                  | Pull relief        | Gland nut  |
|---------------------|------------------|------------------|--------------------|------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock          | integrated |
| Sheath strip length | (open cable end) | 35 mm            | Color cable        | grey       |
| Wire strip length   | (open cable end) | 9 mm             | Color handle shell | black      |

Connection cables female – male



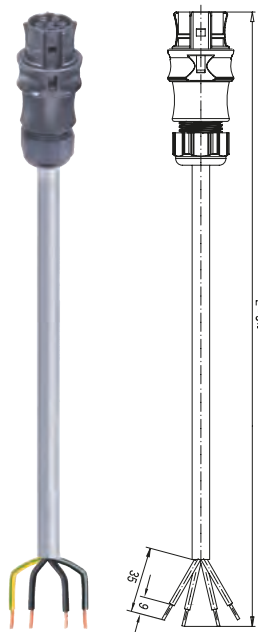
250/400V  
black

⊕ = GN/VE  
1 = BK 1  
2 = BK 2  
3 = BK 3

| Cable   | Length m | Part No.      |
|---|----------|---------------|
| <b>PVC cable</b><br><b>Ölflex Classic 100</b><br><br>containing halogen | 1        | 96.442.1080.1 |
|   | 2        | 96.442.2080.1 |
|   | 3        | 96.442.3080.1 |
|   | 4        | 96.442.4080.1 |
|   | 5        | 96.442.5080.1 |
|   | 6        | 96.442.6080.1 |
|   | 7        | 96.442.7080.1 |
|   | 8        | 96.442.8080.1 |

4-pole cables - one pole is not configured

Connection cables female – free end



250/400V  
black

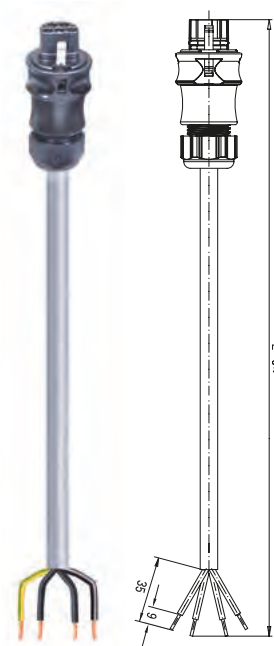
⊕ = GN/VE  
1 = BK 1  
2 = BK 2  
3 = BK 3

| Cable   | Length m | Part No.      |
|---|----------|---------------|
| <b>PVC cable</b><br><b>Ölflex Classic 100</b><br><br>containing halogen | 1        | 96.442.1083.1 |
|   | 2        | 96.442.2083.1 |
|   | 3        | 96.442.3083.1 |
|   | 4        | 96.442.4083.1 |
|   | 5        | 96.442.5083.1 |
|   | 6        | 96.442.6083.1 |
|   | 7        | 96.442.7083.1 |
|   | 8        | 96.442.8083.1 |

4-pole cables - one pole is not configured

Cable assemblies  
Cable 4 x 1.5 mm<sup>2</sup>; 16 A

Connection cables male – free end



4-pole cables - one pole is not configured

250/400V  
black



| Cable   | Length m | Part No.      |
|---|----------|---------------|
| <b>PVC cable</b><br><b>Ölflex Classic 100</b><br><br>containing halogen | 1        | 96.442.1084.1 |
|   | 2        | 96.442.2084.1 |
|   | 3        | 96.442.3084.1 |
|   | 4        | 96.442.4084.1 |
|   | 5        | 96.442.5084.1 |
|   | 6        | 96.442.6084.1 |
|   | 7        | 96.442.7084.1 |
|   | 8        | 96.442.8084.1 |

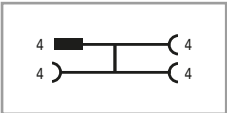
Distribution units

RST compact distribution unit

|                         |                              |                 |                     |
|-------------------------|------------------------------|-----------------|---------------------|
| Dimensions              | 104 x 162 x 57.2 mm          | Pre-wired with  | 2.5 mm <sup>2</sup> |
| Fitted as required with | M25 device connectors 4-pole | Mounting option | Yes                 |



Circuit diagram



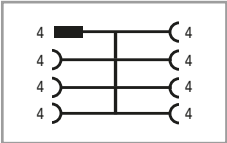
| Color   | Input      | Outputs    | Part No.      |
|---------|------------|------------|---------------|
| ■ black | 1, RST20i4 | 3, RST20i4 | 99.911.0000.7 |

RST multiple distribution unit

|                         |                              |                |                              |
|-------------------------|------------------------------|----------------|------------------------------|
| Dimensions              | 112 x 154 x 94 mm            | Pre-wired with | 2.5 mm <sup>2</sup>          |
| Fitted as required with | M25 device connectors 4-pole | Fuse           | 6.3 or 10A can be integrated |



Circuit diagram



| Color   | Input      | Outputs    | Part No.      |
|---------|------------|------------|---------------|
| ■ black | 1, RST20i4 | 4, RST20i4 | 99.935.0000.7 |
| ■ black | 1, RST20i4 | 5, RST20i4 | 99.916.0000.7 |
| ■ black | 1, RST20i4 | 7, RST20i4 | 99.936.0000.7 |

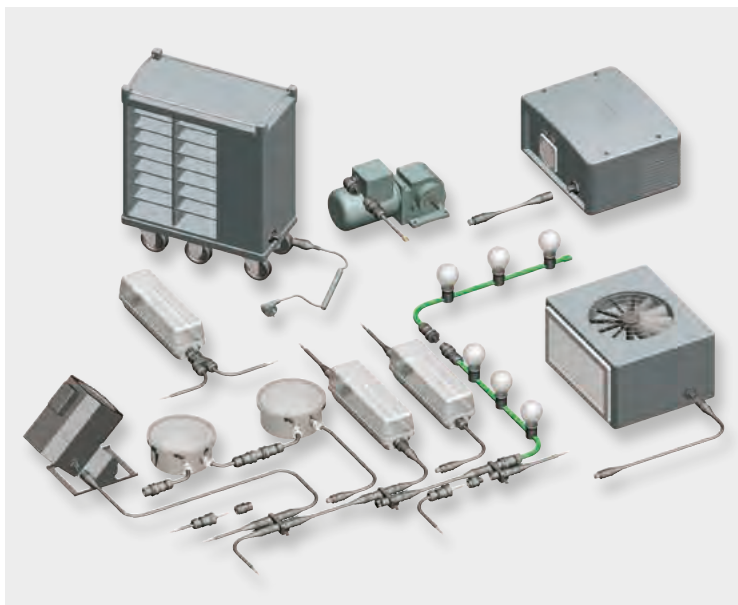






# General power applications, switching functions, power/dimming signals and low voltage

## Application example








## General

Four variations are available for applications up to 250/400 V (for example mains, switching functions, a version to combine power and dimming signals), as well as a version for low-voltage applications up to 50/120 V.

All connectors are mechanically coded. This means that only associated pairs of male and female can be connected with the correct polarity. You therefore have the security of a clear separation of different applications without having to redo any incorrect connections. The color of the connectors indicates the links that belong together.

## Coding

| For daily updates visit the website at <a href="http://eshop.wieland-electric.com">http://eshop.wieland-electric.com</a> .<br>Assembly instructions and other technical information can be found in the Technical Data or in eShop. |  |                    |                       |                            | Application  |            |   |   |   |   |
|---|--|--------------------|-----------------------|----------------------------|--|------------|---|---|---|---|
|   |  |                    |                       |                            | 250/400V   |            | 250V  | 250/400V  | 250/400V  | ~50/-120V   |
|   |  |                    |                       |                            | ⊕, N, 3, 2, 1  |            | L, N, ⊕, D1, D2   | 1,2,3, 4,5  | N, E, 1,2,3   | 1,2,3,4,5   |
|   |  |                    |                       |                            |  |            |  |  |  |  |
| Name  | Description  | Connection style   | Strain relief housing | Connection points per pole | light gray   | black      | turquoise   | light blue  | yellow  | signal brown  |
| Connector   | 1 x cable entry  | Screw Crimp        | yes                   | 1                          | ✓  | ✓          | ✓   | ✓   | ✓   | ✓   |
|   | 2 x cable entry  | Screw Spring clamp | yes                   | 1                          | ✓  | ✓          | ✓   | ✓   | ✓   | ✓   |
| Distribution units  | RST compact distribution unit/ multi-distribution unit |                    |                       |                            | on request   | on request | on request  | on request  | on request  | on request  |
|   | Individual distribution box                            |                    |                       |                            | on request   | on request | on request  | on request  | on request  | on request  |
| Device connectors   | M16 device connector, modular, straight                |                    |                       |                            | ✓  | ✓          | ✓   | ✓   |   | ✓   |
|   | M16 device connector, modular, angled 7°               |                    |                       |                            | ✓  | ✓          | ✓   | ✓   |   | ✓   |
|   | M25 device connector, standard                         |                    |                       |                            | ✓  | ✓          | ✓   | ✓   | ✓   | ✓   |
|   | M20 device connector, standard                         |                    |                       |                            | ✓  | ✓          | ✓   | ✓   |   | ✓   |
|   | M20 device connector, modular, straight                |                    |                       |                            | ✓  | ✓          | ✓   | ✓   |   | ✓   |
|   | M25 device connector, modular, angled                  |                    |                       |                            | ✓  | ✓          | ✓   | ✓   |   | ✓   |
| Cable assemblies  | Connection cable Male – Free end                       | pre-assembled      | pre-assembled         | pre-assembled              | ✓  | ✓          | ✓   | ✓   |   | ✓   |
|   | Connection cable Female – Free end                     | pre-assembled      | pre-assembled         | pre-assembled              | ✓  | ✓          | ✓   | ✓   |   | ✓   |
|   | Extension cable Male – Female                          | pre-assembled      | pre-assembled         | pre-assembled              | ✓  | ✓          | ✓   | ✓   |   | ✓   |
|   | Extension cable Male – Female                          | pre-assembled      | pre-assembled         | pre-assembled              | ✓  | ✓          | ✓   | ✓   |   | ✓   |

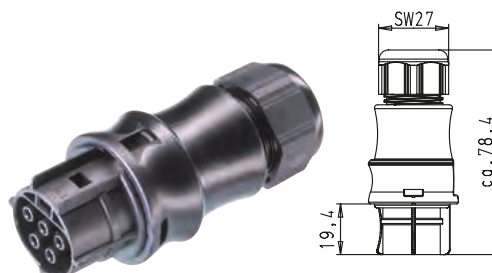
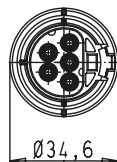
## Connectors, straight for cables Ø 6 – 10 mm and 10 – 14 mm

### Female connector

Unmounted with cable gland.

Crimp contacts separately available under Accessories.

See the Technical Data for sheath and insulation strip lengths.









#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>  |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |

#### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |

| Application | Coding   | Cable diameter in mm | Color      |
|-------------|--|----------------------|------------|
| 250/400V    |  ⊕, N, 3, 2, 1    | 6 – 10               | light gray |
|             |  | 10 – 14              | black      |
|             |  L, ⊕, N, D1, D2 | 6 – 10               | light gray |
|             |  | 10 – 14              | black      |
|             |  1, 2, 3, 4, 5  | 6 – 10               | turquoise  |
|             |  | 10 – 14              | black      |
| ~50/-120V   |  1, 2, 3, 4, 5  | 6 – 10               | light blue |
|             |  | 10 – 14              | black      |
| ~50/-120V   |  N, E, 1, 2, 3  | 6 – 10               | yellow     |
|             |  | 10 – 14              | black      |
| ~50/-120V   |  1, 2, 3, 4, 5  | 6 – 10               | signal     |
|             |  | 10 – 14              | brown      |

| Part No.      | Part No.      |
|---------------|---------------|
| 96.051.4053.0 | 96.151.0053.0 |
| 96.051.4053.1 | 96.151.0053.1 |
| 96.051.4153.0 | 96.151.0153.0 |
| 96.051.4153.1 | 96.151.0153.1 |
| 96.051.4053.6 | 96.151.0053.6 |
| 96.051.4153.6 | 96.151.0153.6 |
| 96.051.4053.9 | 96.151.0053.9 |
| 96.051.4153.9 | 96.151.0153.9 |
| 96.051.4053.2 |               |
| 96.051.4051.4 | 96.151.0051.4 |
| 96.051.4151.4 | 96.151.0151.4 |

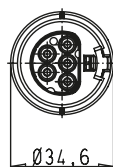
Contacts separately under Accessories, see following pages.

### Male connector

Unmounted with cable gland and locking device.

Crimp contacts separately available under Accessories.

See the Technical Data for sheath and insulation strip lengths.









#### with screw connection<sup>1)</sup>

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Locking device | yes              |

#### with crimp connection

| Wire           | mm <sup>2</sup> |
|----------------|-----------------|
| fine-stranded  | 0.75 – 4.0      |
| Locking device | yes             |

| Application | Coding  | Cable diameter in mm | Color      |
|-------------|---|----------------------|------------|
| 250/400V    |  ⊕, N, 3, 2, 1   | 6 – 10               | light gray |
|             |   | 10 – 14              | black      |
|             |  L, ⊕, N, D1, D2 | 6 – 10               | light gray |
|             |   | 10 – 14              | black      |
|             |  1, 2, 3, 4, 5   | 6 – 10               | turquoise  |
|             |   | 10 – 14              | black      |
| ~50/-120V   |  1, 2, 3, 4, 5   | 6 – 10               | light blue |
|             |   | 10 – 14              | black      |
| ~50/-120V   |  N, E, 1, 2, 3   | 6 – 10               | yellow     |
|             |   | 10 – 14              | black      |
| ~50/-120V   |  1, 2, 3, 4, 5   | 6 – 10               | signal     |
|             |   | 10 – 14              | brown      |

| Part No.      | Part No.      |
|---------------|---------------|
| 96.052.4053.0 | 96.152.0053.0 |
| 96.052.4053.1 | 96.152.0053.1 |
| 96.052.4153.0 | 96.152.0153.0 |
| 96.052.4153.1 | 96.152.0153.1 |
| 96.052.4053.6 | 96.152.0053.6 |
| 96.052.4153.6 | 96.152.0153.6 |
| 96.052.4053.9 | 96.152.0053.9 |
| 96.052.4153.9 | 96.152.0153.9 |
| 96.052.4053.2 |               |
| 96.052.4051.4 | 96.152.0051.4 |
| 96.052.4151.4 | 96.152.0151.4 |

Contacts separately under Accessories, see following pages.

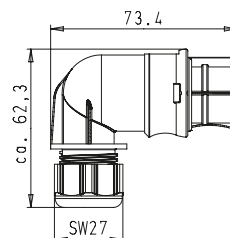
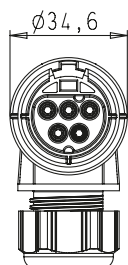
<sup>1)</sup> With wire protection available on request

## Connectors, angled 90° for cables Ø 6 – 10 mm and 10 – 14 mm

### Female connector

Unmounted with cable gland.  
90° angle.

See the Technical Data for sheath and insulation strip length as well as the ferrules to be used.



#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>  |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |

#### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |

| Application | Coding          | Cable diameter in mm | Color      |
|-------------|-----------------|----------------------|------------|
| 250/400V    | ⊕, N, 3, 2, 1   | 6 – 10               | light gray |
|             |                 | 10 – 14              | black      |
|             | L, ⊕, N, D1, D2 | 6 – 10               | light gray |
|             |                 | 10 – 14              | black      |
| ~50/-120V   | 1, 2, 3, 4, 5   | 6 – 10               | turquoise  |
|             |                 | 10 – 14              | turquoise  |
|             | 1, 2, 3, 4, 5   | 6 – 10               | light blue |
|             |                 | 10 – 14              | light blue |
| ~50/-120V   | 1, 2, 3, 4, 5   | 6 – 10               | signal     |
|             |                 | 10 – 14              | brown      |

| Part No.      |
|---------------|
| 96.053.4053.0 |
| 96.053.4053.1 |
| 96.053.4153.0 |
| 96.053.4153.1 |
| 96.053.4053.6 |
| 96.053.4153.6 |
| 96.053.4053.9 |
| 96.053.4153.9 |
| 96.053.4051.4 |
| 96.053.4151.4 |

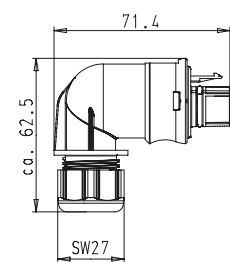
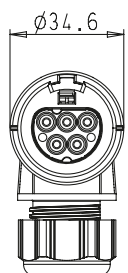
| Part No.      |
|---------------|
| 96.153.0053.0 |
| 96.153.0053.1 |
| 96.153.0153.0 |
| 96.153.0153.1 |
| 96.153.0053.6 |
| 96.153.0153.6 |
| 96.153.0053.9 |
| 96.153.0153.9 |
| 96.153.0051.4 |
| 96.153.0151.4 |

Contacts separately under Accessories, see following pages.

### Male connector

Unmounted with cable gland and locking device.  
90° angle.

See the Technical Data for sheath and insulation strip length as well as the ferrules to be used.



#### with screw connection<sup>1)</sup>

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Locking device | yes              |

#### with crimp connection

| Wire           | mm <sup>2</sup> |
|----------------|-----------------|
| fine-stranded  | 0.75 – 4.0      |
| Locking device | yes             |

| Application | Coding          | Cable diameter in mm | Color      |
|-------------|-----------------|----------------------|------------|
| 250/400V    | ⊕, N, 3, 2, 1   | 6 – 10               | light gray |
|             |                 | 10 – 14              | black      |
|             | L, ⊕, N, D1, D2 | 6 – 10               | light gray |
|             |                 | 10 – 14              | black      |
| ~50/-120V   | 1, 2, 3, 4, 5   | 6 – 10               | turquoise  |
|             |                 | 10 – 14              | turquoise  |
|             | 1, 2, 3, 4, 5   | 6 – 10               | light blue |
|             |                 | 10 – 14              | light blue |
| ~50/-120V   | 1, 2, 3, 4, 5   | 6 – 10               | signal     |
|             |                 | 10 – 14              | brown      |

| Part No.      |
|---------------|
| 96.054.4053.0 |
| 96.054.4053.1 |
| 96.054.4153.0 |
| 96.054.4153.1 |
| 96.054.4053.6 |
| 96.054.4153.6 |
| 96.054.4053.9 |
| 96.054.4153.9 |
| 96.054.4051.4 |
| 96.054.4151.4 |

| Part No.      |
|---------------|
| 96.154.0053.0 |
| 96.154.0053.1 |
| 96.154.0153.0 |
| 96.154.0153.1 |
| 96.154.0053.6 |
| 96.154.0153.6 |
| 96.154.0053.9 |
| 96.154.0153.9 |
| 96.154.0051.4 |
| 96.154.0151.4 |

Contacts separately under Accessories, see following pages.

<sup>1)</sup> With wire protection available on request



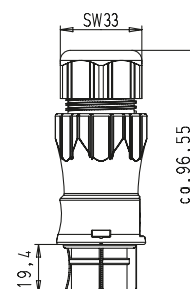
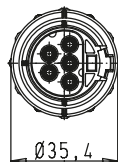
## Connectors, straight for cable Ø 13 – 18 mm

### Female connector

Unmounted with cable gland.

Crimp contacts separately available under Accessories.

See the Technical Data for sheath and insulation strip lengths.



#### with screw connection<sup>1)</sup>

| Wire          | mm <sup>2</sup>  |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |

#### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |

| Application | Coding          | Cable diameter in mm | Color               |
|-------------|-----------------|----------------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | 13 – 18              | light gray<br>black |
|             | L, ⊕, N, D1, D2 | 13 – 18              | turquoise           |
|             | 1, 2, 3, 4, 5   | 13 – 18              | light blue          |
|             | N, E, 1, 2, 3   | 13 – 18              | yellow              |
| ~50/-120V   | 1, 2, 3, 4, 5   | 13 – 18              | signal<br>brown     |

| Part No.      |
|---------------|
| 96.051.4553.0 |
| 96.051.4553.1 |
| 96.051.4553.6 |
| 96.051.4553.9 |
| 96.051.4553.2 |
| 96.051.4551.4 |

| Part No.      |
|---------------|
| 96.151.0553.0 |
| 96.151.0553.1 |
| 96.151.0553.6 |
| 96.151.0553.9 |
| 96.151.0551.4 |

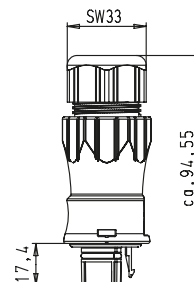
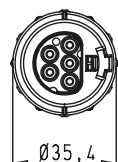
Contacts separately under Accessories, see following pages.

### Male connector

Unmounted with cable gland and locking device.

Crimp contacts separately available under Accessories.

See the Technical Data for sheath and insulation strip lengths.



#### with screw connection<sup>1)</sup>

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Locking device | yes              |

#### with crimp connection

| Wire           | mm <sup>2</sup> |
|----------------|-----------------|
| fine-stranded  | 0.75 – 4.0      |
| Locking device | yes             |

| Application | Coding          | Cable diameter in mm | Color               |
|-------------|-----------------|----------------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | 13 – 18              | light gray<br>black |
|             | L, ⊕, N, D1, D2 | 13 – 18              | turquoise           |
|             | 1, 2, 3, 4, 5   | 13 – 18              | light blue          |
|             | N, E, 1, 2, 3   | 13 – 18              | yellow              |
| ~50/-120V   | 1, 2, 3, 4, 5   | 13 – 18              | signal<br>brown     |

| Part No.      |
|---------------|
| 96.052.4553.0 |
| 96.052.4553.1 |
| 96.052.4553.6 |
| 96.052.4553.9 |
| 96.052.4553.2 |
| 96.052.4551.4 |

| Part No.      |
|---------------|
| 96.152.0553.0 |
| 96.152.0553.1 |
| 96.152.0553.6 |
| 96.152.0553.9 |
| 96.152.0551.4 |

Contacts separately under Accessories, see following pages.

<sup>1)</sup> With wire protection available on request

Splitter connector, straight  
for cables Ø 6 – 10 mm and 10 – 14 mm

Female connector

Unmounted with cable glands.  
See Technical Data for sheath and insulation strip lengths.

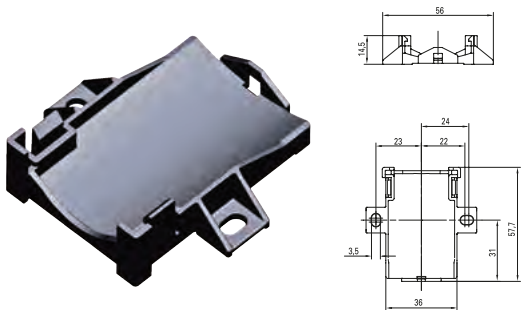


with screw connection<sup>1)</sup>

| Wire          | mm²              |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 1.5       |
| stranded      | without ferrules |

| Application | Coding                 | Cable diameter in mm | Color               | Part No.                       |
|-------------|------------------------|----------------------|---------------------|--------------------------------|
| 250/400V    | <br>⊕, N, 3,<br>2, 1   | 6 – 10               | light gray<br>black | 96.051.4253.0<br>96.051.4253.1 |
|             |                        | 10 – 14              | light gray<br>black | 96.051.4353.0<br>96.051.4353.1 |
|             | <br>L, ⊕, N,<br>D1, D2 | 6 – 10               | turquoise           | 96.051.4253.6<br>96.051.4353.6 |
|             |                        | 10 – 14              | turquoise           | 96.051.4253.9<br>96.051.4353.9 |
| ~50/-120V   | <br>1, 2, 3, 4, 5      | 6 – 10               | light blue          | 96.051.4251.4<br>96.051.4351.4 |
|             |                        | 10 – 14              | signal<br>brown     |                                |

Mounting plate for splitter connectors



| Color | Part No.      |
|-------|---------------|
| gray  | 01.006.1553.0 |
| black | 01.006.1553.1 |

<sup>1)</sup> With wire protection available on request

# M25 device connector straight, standard

## Female connector

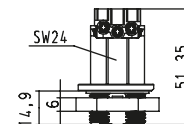
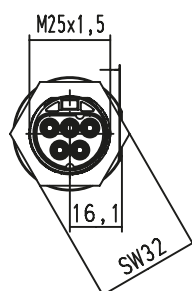
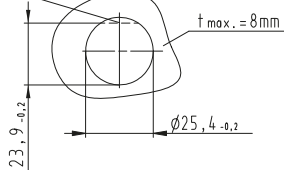
Correct positioning guaranteed due to flattened thread. Fastening with screws from outside.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.

For spacer rings for unlocking the device connector, see Accessories.

wahlweise Verdrehsicherung  
optional protection against twisting



### with screw connection

| Wire          | mm <sup>2</sup>  |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |
| Term. poles   | 1                |
| Thread        | M25 x 1.5        |
| Gland         | outside          |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M25 x 1.5       |
| Gland         | outside         |

Contacts separately under Accessories, see following pages.

| Application | Coding          | Color               |
|-------------|-----------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | light gray<br>black |
|             | L, ⊕, N, D1, D2 | turquoise           |
|             | 1, 2, 3, 4, 5   | light blue          |
|             | N, E, 1, 2, 3   | signal brown        |
| ~50/-120V   | 1, 2, 3, 4, 5   | yellow              |

| Part No.      |
|---------------|
| 96.051.5053.0 |
| 96.051.5053.1 |
| 96.051.5053.6 |
| 96.051.5053.9 |
| 96.051.5051.4 |

| Part No.      |
|---------------|
| 96.151.1053.0 |
| 96.151.1053.1 |
| 96.151.1053.6 |
| 96.151.1053.9 |
| 96.151.1053.2 |
| 96.151.1051.4 |

## Male connector

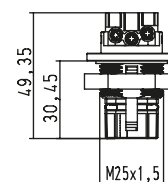
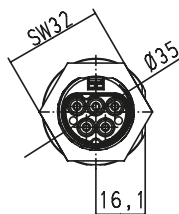
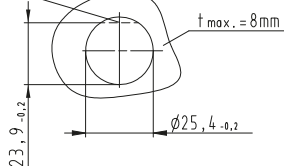
Correct positioning guaranteed due to flattened thread. With locking device.

Fastening with screws from outside.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.

wahlweise Verdrehsicherung  
optional protection against twisting



### with screw connection

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Term. poles    | 1                |
| Thread         | M25 x 1.5        |
| Gland          | outside          |
| Locking device | yes              |

### with crimp connection

| Wire           | mm <sup>2</sup> |
|----------------|-----------------|
| fine-stranded  | 0.75 – 4.0      |
| Term. poles    | 1               |
| Thread         | M25 x 1.5       |
| Gland          | outside         |
| Locking device | yes             |

Contacts separately under Accessories, see following pages.

| Application | Coding          | Color               |
|-------------|-----------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | light gray<br>black |
|             | L, ⊕, N, D1, D2 | turquoise           |
|             | 1, 2, 3, 4, 5   | light blue          |
|             | N, E, 1, 2, 3   | signal brown        |
| ~50/-120V   | 1, 2, 3, 4, 5   | yellow              |

| Part No.      |
|---------------|
| 96.052.5053.0 |
| 96.052.5053.1 |
| 96.052.5053.6 |
| 96.052.5053.9 |
| 96.052.5051.4 |

| Part No.      |
|---------------|
| 96.152.1053.0 |
| 96.152.1053.1 |
| 96.152.1053.6 |
| 96.152.1053.9 |
| 96.152.1053.2 |
| 96.152.1051.4 |

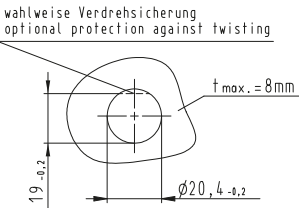
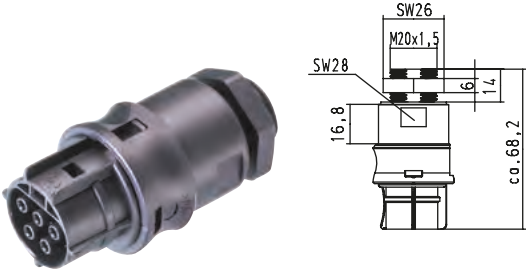
M20 device connector  
straight, modular

Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

Crimp contacts separately available under Accessories.

See the Technical Data for sheath and insulation strip lengths.



with screw connection

|               |                  |
|---------------|------------------|
| Wire          | mm <sup>2</sup>  |
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |
| Term. poles   | 1                |
| Thread        | M20 x 1.5        |
| Gland         | inside           |

with crimp connection

|               |                 |
|---------------|-----------------|
| Wire          | mm <sup>2</sup> |
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

| Application | Coding          | Color               |
|-------------|-----------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | light gray<br>black |
|             | L, ⊕, N, D1, D2 | turquoise           |
|             | 1, 2, 3, 4, 5   | light blue          |
| ~50/-120V   | 1, 2, 3, 4, 5   | signal brown        |

| Part No.      |
|---------------|
| 96.051.6053.0 |
| 96.051.6053.1 |
| 96.051.6053.6 |
| 96.051.6053.9 |
| 96.051.6051.4 |

| Part No.      |
|---------------|
| 96.151.2053.0 |
| 96.151.2053.1 |
| 96.151.2053.6 |
| 96.151.2053.9 |
| 96.151.2051.4 |

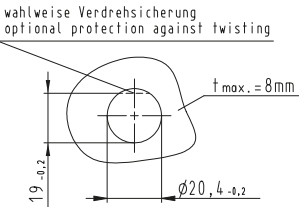
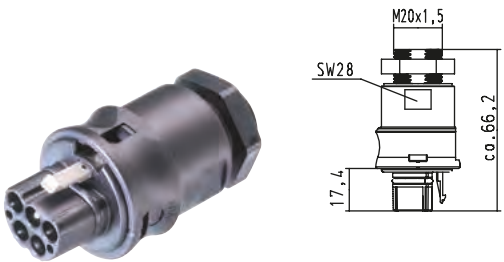
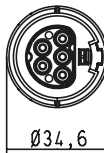
Contacts separately under Accessories, see following pages.

Male connector

Correct positioning guaranteed due to flattened thread. With locking device.  
Fastening with screws from inside.

Crimp contacts separately available under Accessories.

See the Technical Data for sheath and insulation strip lengths.



with screw connection

|                |                  |
|----------------|------------------|
| Wire           | mm <sup>2</sup>  |
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Term. poles    | 1                |
| Thread         | M20 x 1.5        |
| Gland          | inside           |
| Locking device | yes              |

with crimp connection

|                |                 |
|----------------|-----------------|
| Wire           | mm <sup>2</sup> |
| fine-stranded  | 0.75 – 4.0      |
| Term. poles    | 1               |
| Thread         | M20 x 1.5       |
| Gland          | inside          |
| Locking device | yes             |

| Application | Coding          | Color               |
|-------------|-----------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | light gray<br>black |
|             | L, ⊕, N, D1, D2 | turquoise           |
|             | 1, 2, 3, 4, 5   | light blue          |
| ~50/-120V   | 1, 2, 3, 4, 5   | signal brown        |

| Part No.      |
|---------------|
| 96.052.6053.0 |
| 96.052.6053.1 |
| 96.052.6053.6 |
| 96.052.6053.9 |
| 96.052.6051.4 |

| Part No.      |
|---------------|
| 96.152.2053.0 |
| 96.152.2053.1 |
| 96.152.2053.6 |
| 96.152.2053.9 |
| 96.152.2051.4 |

Contacts separately under Accessories, see following pages.



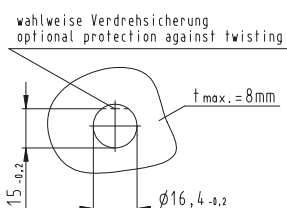
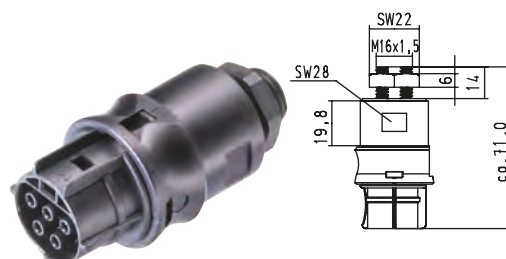
# M16 device connector straight, modular

## Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.



### with screw connection

| Wire          | mm <sup>2</sup>  |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |
| Term. poles   | 1                |
| Thread        | M16 x 1.5        |
| Gland         | inside           |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

| Application | Coding          | Color               |
|-------------|-----------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | light gray<br>black |
|             | L, ⊕, N, D1, D2 | turquoise           |
|             | 1, 2, 3, 4, 5   | light blue          |
| ~50/-120V   | 1, 2, 3, 4, 5   | signal brown        |

| Part No.      |
|---------------|
| 96.051.6153.0 |
| 96.051.6153.1 |
| 96.051.6153.6 |
| 96.051.6153.9 |
| 96.051.6151.4 |

| Part No.      |
|---------------|
| 96.151.2153.0 |
| 96.151.2153.1 |
| 96.151.2153.6 |
| 96.151.2153.9 |
| 96.151.2151.4 |

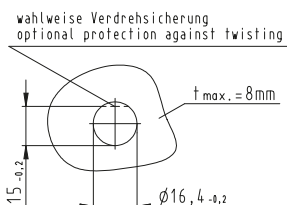
Contacts separately under Accessories, see following pages.

## Male connector

Correct positioning guaranteed due to flattened thread. With locking device.  
Fastening with screws from inside.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.



### with screw connection

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Term. poles    | 1                |
| Thread         | M16 x 1.5        |
| Gland          | inside           |
| Locking device | yes              |

### with crimp connection

| Wire           | mm <sup>2</sup> |
|----------------|-----------------|
| fine-stranded  | 0.75 – 4.0      |
| Term. poles    | 1               |
| Thread         | M16 x 1.5       |
| Gland          | inside          |
| Locking device | yes             |

| Application | Coding          | Color               |
|-------------|-----------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | light gray<br>black |
|             | L, ⊕, N, D1, D2 | turquoise           |
|             | 1, 2, 3, 4, 5   | light blue          |
| ~50/-120V   | 1, 2, 3, 4, 5   | signal brown        |

| Part No.      |
|---------------|
| 96.052.6153.0 |
| 96.052.6153.1 |
| 96.052.6153.6 |
| 96.052.6153.9 |
| 96.052.6151.4 |

| Part No.      |
|---------------|
| 96.152.2153.0 |
| 96.152.2153.1 |
| 96.152.2153.6 |
| 96.152.2153.9 |
| 96.152.2151.4 |

Contacts separately under Accessories, see following pages.

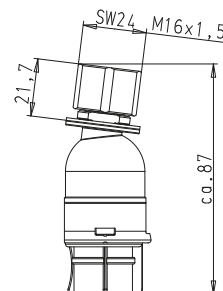
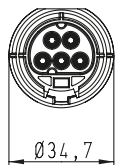
# M16 device connector angled 7°, modular

## Female connector

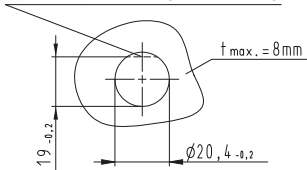
Correct positioning guaranteed due to flattened thread. Fastening with screws from inside. Angled 7°, thread M16.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.



wahlweise Verdrehsicherung  
optional protection against twisting



### with screw connection

| Wire          | mm <sup>2</sup>  |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |
| Term. poles   | 1                |
| Thread        | M16 x 1.5        |
| Gland         | inside           |

### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M16 x 1.5       |
| Gland         | inside          |

| Application | Coding          | Color               |
|-------------|-----------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | light gray<br>black |
|             | L, ⊕, N, D1, D2 | turquoise           |
|             | 1, 2, 3, 4, 5   | light blue          |
| ~50/-120V   | 1, 2, 3, 4, 5   | signal brown        |

| Part No.      |
|---------------|
| 96.055.6153.0 |
| 96.055.6153.1 |
| 96.055.6153.6 |
| 96.055.6153.9 |
| 96.055.6151.4 |

| Part No.      |
|---------------|
| 96.155.2153.0 |
| 96.155.2153.1 |
| 96.155.2153.6 |
| 96.155.2153.9 |
| 96.155.2151.4 |

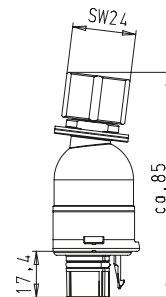
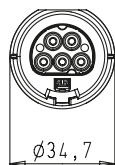
Contacts separately under Accessories, see following pages.

## Male connector

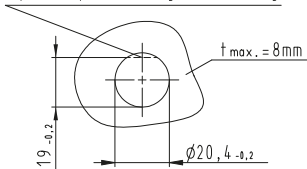
Correct positioning guaranteed due to flattened thread. With locking device. Fastening with screws from inside. Angled 7°, thread M16.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.



wahlweise Verdrehsicherung  
optional protection against twisting



### with screw connection

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Term. poles    | 1                |
| Thread         | M16 x 1.5        |
| Gland          | inside           |
| Locking device | yes              |

### with crimp connection

| Wire           | mm <sup>2</sup> |
|----------------|-----------------|
| fine-stranded  | 0.75 – 4.0      |
| Term. poles    | 1               |
| Thread         | M16 x 1.5       |
| Gland          | inside          |
| Locking device | yes             |

| Application | Coding          | Color               |
|-------------|-----------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | light gray<br>black |
|             | L, ⊕, N, D1, D2 | turquoise           |
|             | 1, 2, 3, 4, 5   | light blue          |
| ~50/-120V   | 1, 2, 3, 4, 5   | signal brown        |

| Part No.      |
|---------------|
| 96.056.6153.0 |
| 96.056.6153.1 |
| 96.056.6153.6 |
| 96.056.6153.9 |
| 96.056.6151.4 |

| Part No.      |
|---------------|
| 96.156.2153.0 |
| 96.156.2153.1 |
| 96.156.2153.6 |
| 96.156.2153.9 |
| 96.156.2151.4 |

Contacts separately under Accessories, see following pages.

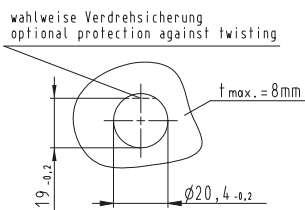
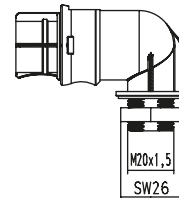
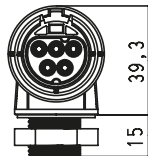
## M20 device connector angled 90°, modular

### Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.  
Angled 90°, thread M20.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.



#### with screw connection

| Wire          | mm <sup>2</sup>  |
|---------------|------------------|
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |
| Term. poles   | 1                |
| Thread        | M20 x 1.5        |
| Gland         | inside           |

#### with crimp connection

| Wire          | mm <sup>2</sup> |
|---------------|-----------------|
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M20 x 1.5       |
| Gland         | inside          |

| Application | Coding          | Color               |
|-------------|-----------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | light gray<br>black |
|             | L, ⊕, N, D1, D2 | turquoise           |
|             | 1, 2, 3, 4, 5   | light blue          |
| ~50/-120V   | 1, 2, 3, 4, 5   | signal brown        |

| Part No.      |
|---------------|
| 96.053.6053.0 |
| 96.053.6053.1 |
| 96.053.6053.6 |
| 96.053.6053.9 |
| 96.053.6051.4 |

| Part No.      |
|---------------|
| 96.153.2053.0 |
| 96.153.2053.1 |
| 96.153.2053.6 |
| 96.153.2053.9 |
| 96.153.2051.4 |

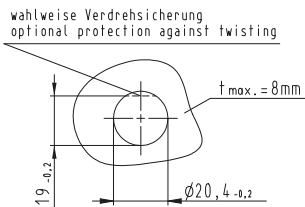
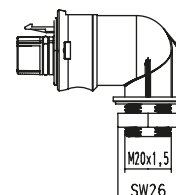
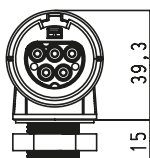
Contacts separately under Accessories, see following pages.

### Male connector

Correct positioning guaranteed due to flattened thread. With locking device.  
Fastening with screws from inside.  
Angled 90°, thread M20.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.



#### with screw connection

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Term. poles    | 1                |
| Thread         | M20 x 1.5        |
| Gland          | inside           |
| Locking device | yes              |

#### with crimp connection

| Wire           | mm <sup>2</sup> |
|----------------|-----------------|
| fine-stranded  | 0.75 – 4.0      |
| Term. poles    | 1               |
| Thread         | M20 x 1.5       |
| Gland          | inside          |
| Locking device | yes             |

| Application | Coding          | Color               |
|-------------|-----------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | light gray<br>black |
|             | L, ⊕, N, D1, D2 | turquoise           |
|             | 1, 2, 3, 4, 5   | light blue          |
| ~50/-120V   | 1, 2, 3, 4, 5   | signal brown        |

| Part No.      |
|---------------|
| 96.054.6053.0 |
| 96.054.6053.1 |
| 96.054.6053.6 |
| 96.054.6053.9 |
| 96.054.6051.4 |

| Part No.      |
|---------------|
| 96.154.2053.0 |
| 96.154.2053.1 |
| 96.154.2053.6 |
| 96.154.2053.9 |
| 96.154.2051.4 |

Contacts separately under Accessories, see following pages.

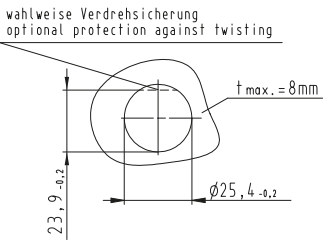
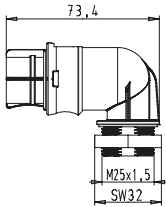
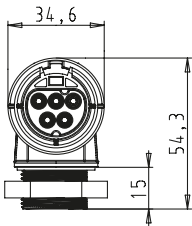
M25 device connector  
angled 90°, modular

Female connector

Correct positioning guaranteed due to flattened thread. Fastening with screws from inside.  
Angled 90°, thread M25.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.



with screw connection

|               |                  |
|---------------|------------------|
| Wire          | mm <sup>2</sup>  |
| rigid         |                  |
| fine-stranded | 0.75 – 4.0       |
| stranded      | without ferrules |
| Term. poles   | 1                |
| Thread        | M25 x 1.5        |
| Gland         | inside           |

with crimp connection

|               |                 |
|---------------|-----------------|
| Wire          | mm <sup>2</sup> |
| fine-stranded | 0.75 – 4.0      |
| Term. poles   | 1               |
| Thread        | M25 x 1.5       |
| Gland         | inside          |

| Application | Coding          | Color               |
|-------------|-----------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | light gray<br>black |
|             | L, ⊕, N, D1, D2 | turquoise           |
|             | 1, 2, 3, 4, 5   | light blue          |
| ~50/-120V   | 1, 2, 3, 4, 5   | signal brown        |

| Part No.      |
|---------------|
| 96.053.6253.0 |
| 96.053.6253.1 |
| 96.053.6253.6 |
| 96.053.6253.9 |
| 96.053.6251.4 |

| Part No.      |
|---------------|
| 96.153.2253.0 |
| 96.153.2253.1 |
| 96.153.2253.6 |
| 96.153.2253.9 |
| 96.153.2251.4 |

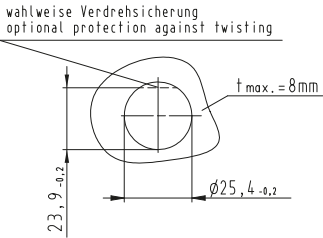
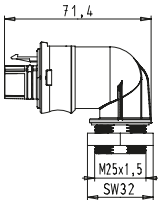
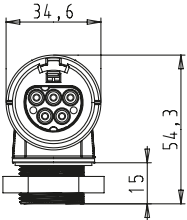
Contacts separately under Accessories, see following pages.

Male connector

Correct positioning guaranteed due to flattened thread. With locking device.  
Fastening with screws from inside.  
Angled 90°, thread M25.

Crimp contacts separately available under Accessories.

See the Technical Data for insulation strip lengths.



with screw connection

|                |                  |
|----------------|------------------|
| Wire           | mm <sup>2</sup>  |
| rigid          |                  |
| fine-stranded  | 0.75 – 4.0       |
| stranded       | without ferrules |
| Term. poles    | 1                |
| Thread         | M25 x 1.5        |
| Gland          | inside           |
| Locking device | yes              |

with crimp connection

|                |                 |
|----------------|-----------------|
| Wire           | mm <sup>2</sup> |
| fine-stranded  | 0.75 – 4.0      |
| Term. poles    | 1               |
| Thread         | M25 x 1.5       |
| Gland          | inside          |
| Locking device | yes             |

| Application | Coding          | Color               |
|-------------|-----------------|---------------------|
| 250/400V    | ⊕, N, 3, 2, 1   | light gray<br>black |
|             | L, ⊕, N, D1, D2 | turquoise           |
|             | 1, 2, 3, 4, 5   | light blue          |
| ~50/-120V   | 1, 2, 3, 4, 5   | signal brown        |

| Part No.      |
|---------------|
| 96.054.6253.0 |
| 96.054.6253.1 |
| 96.054.6253.6 |
| 96.054.6253.9 |
| 96.054.6251.4 |

| Part No.      |
|---------------|
| 96.154.2253.0 |
| 96.154.2253.1 |
| 96.154.2253.6 |
| 96.154.2253.9 |
| 96.154.2251.4 |

Contacts separately under Accessories, see following pages.

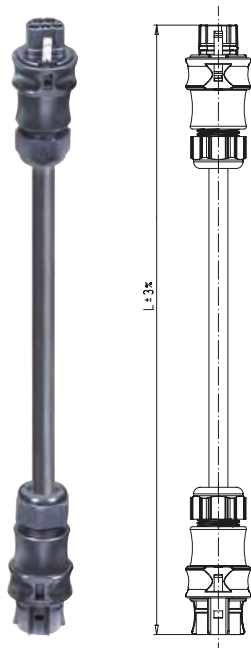


## Cable assemblies

### Cable 5 x 1.5 mm<sup>2</sup>; 16 A

| Rated values        |                  |                  | Pull relief        | with gland nut |
|---------------------|------------------|------------------|--------------------|----------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock          | integrated     |
| Sheath strip length | (open cable end) | 35 mm            | Color cable        | black          |
| Wire strip length   | (open cable end) | 9 mm             | Color handle shell | black          |

#### Connection cables female – male

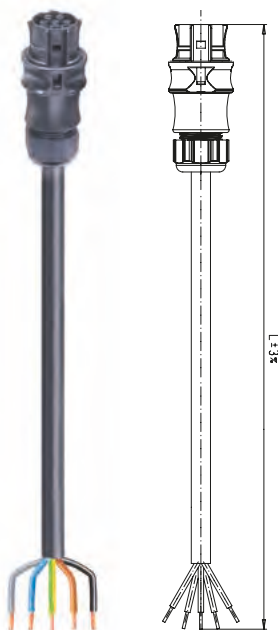


|  |          | 250/400V<br>black | 250V<br>turquoise |
|--|----------|-------------------|-------------------|
|  |          |                   |                   |
| Cable  | Length m | Part No.          | Part No.          |
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 1        | 96.452.1000.1     | 96.452.1000.6     |
|  | 2        | 96.452.2000.1     | 96.452.2000.6     |
|  | 3        | 96.452.3000.1     | 96.452.3000.6     |
|  | 4        | 96.452.4000.1     | 96.452.4000.6     |
|  | 5        | 96.452.5000.1     | 96.452.5000.6     |
|  | 6        | 96.452.6000.1     | 96.452.6000.6     |
|  | 7        | 96.452.7000.1     | 96.452.7000.6     |
|  | 8        | 96.452.8000.1     | 96.452.8000.6     |

| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 1        | 96.452.1030.1 | 96.452.1030.6 |
|  | 2        | 96.452.2030.1 | 96.452.2030.6 |
|  | 3        | 96.452.3030.1 | 96.452.3030.6 |
|  | 4        | 96.452.4030.1 | 96.452.4030.6 |
|  | 5        | 96.452.5030.1 | 96.452.5030.6 |
|  | 6        | 96.452.6030.1 | 96.452.6030.6 |
|  | 7        | 96.452.7030.1 | 96.452.7030.6 |
|  | 8        | 96.452.8030.1 | 96.452.8030.6 |

| Cable   | Length m | Part No.      |
|---|----------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F<br/>enhanced version</b><br>halogen-free | 1        | 96.452.1050.1 |
|   | 2        | 96.452.2050.1 |
|   | 3        | 96.452.3050.1 |
|   | 4        | 96.452.4050.1 |
|   | 5        | 96.452.5050.1 |
|   | 6        | 96.452.6050.1 |
|   | 7        | 96.452.7050.1 |
|   | 8        | 96.452.8050.1 |

#### Connection cables female – free end



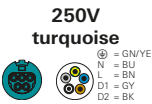
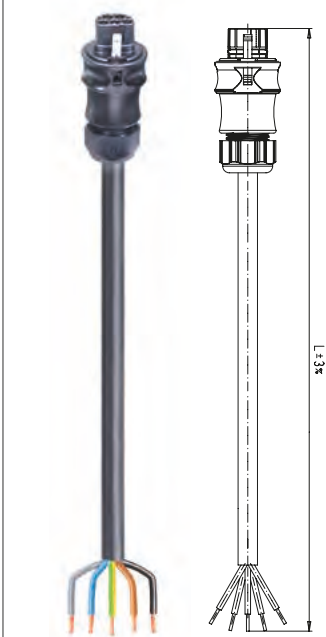
|  |          | 250/400V<br>black | 250V<br>turquoise |
|--|----------|-------------------|-------------------|
|  |          |                   |                   |
| Cable  | Length m | Part No.          | Part No.          |
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 1        | 96.452.1003.1     | 96.452.1003.6     |
|  | 2        | 96.452.2003.1     | 96.452.2003.6     |
|  | 3        | 96.452.3003.1     | 96.452.3003.6     |
|  | 4        | 96.452.4003.1     | 96.452.4003.6     |
|  | 5        | 96.452.5003.1     | 96.452.5003.6     |
|  | 6        | 96.452.6003.1     | 96.452.6003.6     |
|  | 7        | 96.452.7003.1     | 96.452.7003.6     |
|  | 8        | 96.452.8003.1     | 96.452.8003.6     |

| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 1        | 96.452.1033.1 | 96.452.1033.6 |
|  | 2        | 96.452.2033.1 | 96.452.2033.6 |
|  | 3        | 96.452.3033.1 | 96.452.3033.6 |
|  | 4        | 96.452.4033.1 | 96.452.4033.6 |
|  | 5        | 96.452.5033.1 | 96.452.5033.6 |
|  | 6        | 96.452.6033.1 | 96.452.6033.6 |
|  | 7        | 96.452.7033.1 | 96.452.7033.6 |
|  | 8        | 96.452.8033.1 | 96.452.8033.6 |

| Cable   | Length m | Part No.      |
|---|----------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F<br/>enhanced version</b><br>halogen-free | 1        | 96.452.1053.1 |
|   | 2        | 96.452.2053.1 |
|   | 3        | 96.452.3053.1 |
|   | 4        | 96.452.4053.1 |
|   | 5        | 96.452.5053.1 |
|   | 6        | 96.452.6053.1 |
|   | 7        | 96.452.7053.1 |
|   | 8        | 96.452.8053.1 |

Cable assemblies  
Cable 5 x 1.5 mm<sup>2</sup>; 16 A

Connection cables male – free end



| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| PVC cable<br>H05VV-F<br><br>containing halogen | 1        | 96.452.1004.1 | 96.452.1004.6 |
|  | 2        | 96.452.2004.1 | 96.452.2004.6 |
|  | 3        | 96.452.3004.1 | 96.452.3004.6 |
|  | 4        | 96.452.4004.1 | 96.452.4004.6 |
|  | 5        | 96.452.5004.1 | 96.452.5004.6 |
|  | 6        | 96.452.6004.1 | 96.452.6004.6 |
|  | 7        | 96.452.7004.1 | 96.452.7004.6 |
|  | 8        | 96.452.8004.1 | 96.452.8004.6 |

| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| Rubber-sheathed cable<br>H07RN-F<br><br>containing halogen | 1        | 96.452.1034.1 | 96.452.1034.6 |
|  | 2        | 96.452.2034.1 | 96.452.2034.6 |
|  | 3        | 96.452.3034.1 | 96.452.3034.6 |
|  | 4        | 96.452.4034.1 | 96.452.4034.6 |
|  | 5        | 96.452.5034.1 | 96.452.5034.6 |
|  | 6        | 96.452.6034.1 | 96.452.6034.6 |
|  | 7        | 96.452.7034.1 | 96.452.7034.6 |
|  | 8        | 96.452.8034.1 | 96.452.8034.6 |

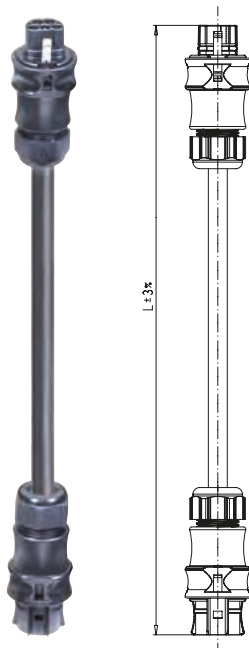
| Cable  | Length m | Part No.      |
|--|----------|---------------|
| Rubber-sheathed cable<br>H07RN-F<br>enhanced version<br><br>halogen-free | 1        | 96.452.1054.1 |
|  | 2        | 96.452.2054.1 |
|  | 3        | 96.452.3054.1 |
|  | 4        | 96.452.4054.1 |
|  | 5        | 96.452.5054.1 |
|  | 6        | 96.452.6054.1 |
|  | 7        | 96.452.7054.1 |
|  | 8        | 96.452.8054.1 |

## Cable assemblies

### Cable 5 x 2.5 mm<sup>2</sup>; 20 A

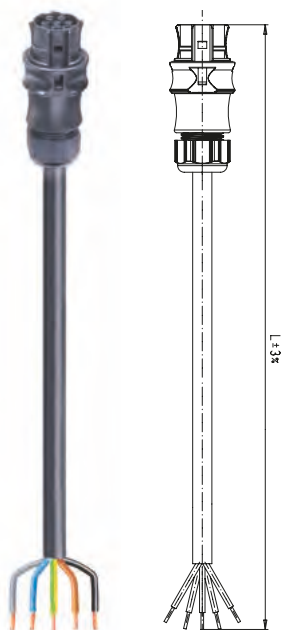
| Rated values        |                  |                  | Pull relief        |  | with gland nut |
|---------------------|------------------|------------------|--------------------|--|----------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock          |  | integrated     |
| Sheath strip length | (open cable end) | 35 mm            | Color cable        |  | black          |
| Wire strip length   | (open cable end) | 9 mm             | Color handle shell |  | black          |

#### Connection cables female – male



|   |          | 250/400V<br>black |  | 250V<br>turquoise |  |
|---|----------|-------------------|--|-------------------|--|
|   |          |                   |  |                   |  |
| Cable   | Length m | Part No.          |  | Part No.          |  |
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen                            | 1        | 96.453.1000.1     |  | 96.453.1000.6     |  |
|   | 2        | 96.453.2000.1     |  | 96.453.2000.6     |  |
|   | 3        | 96.453.3000.1     |  | 96.453.3000.6     |  |
|   | 4        | 96.453.4000.1     |  | 96.453.4000.6     |  |
|   | 5        | 96.453.5000.1     |  | 96.453.5000.6     |  |
|   | 6        | 96.453.6000.1     |  | 96.453.6000.6     |  |
|   | 7        | 96.453.7000.1     |  | 96.453.7000.6     |  |
|   | 8        | 96.453.8000.1     |  | 96.453.8000.6     |  |
| Cable   | Length m | Part No.          |  | Part No.          |  |
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen                | 1        | 96.453.1030.1     |  | 96.453.1030.6     |  |
|   | 2        | 96.453.2030.1     |  | 96.453.2030.6     |  |
|   | 3        | 96.453.3030.1     |  | 96.453.3030.6     |  |
|   | 4        | 96.453.4030.1     |  | 96.453.4030.6     |  |
|   | 5        | 96.453.5030.1     |  | 96.453.5030.6     |  |
|   | 6        | 96.453.6030.1     |  | 96.453.6030.6     |  |
|   | 7        | 96.453.7030.1     |  | 96.453.7030.6     |  |
|   | 8        | 96.453.8030.1     |  | 96.453.8030.6     |  |
| Cable   | Length m | Part No.          |  |                   |  |
| <b>Rubber-sheathed cable<br/>H07RN-F<br/>enhanced version</b><br>halogen-free | 1        | 96.453.1050.1     |  |                   |  |
|   | 2        | 96.453.2050.1     |  |                   |  |
|   | 3        | 96.453.3050.1     |  |                   |  |
|   | 4        | 96.453.4050.1     |  |                   |  |
|   | 5        | 96.453.5050.1     |  |                   |  |
|   | 6        | 96.453.6050.1     |  |                   |  |
|   | 7        | 96.453.7050.1     |  |                   |  |
|   | 8        | 96.453.8050.1     |  |                   |  |

#### Connection cables female – free end

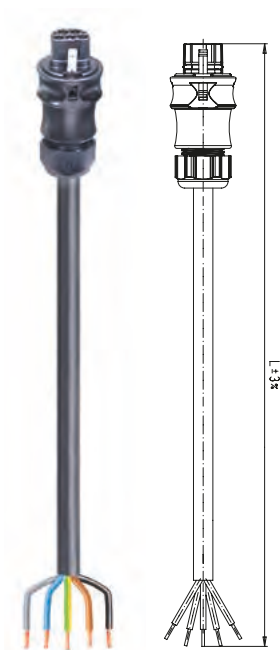


|   |          | 250/400V<br>black |  | 250V<br>turquoise |  |
|---|----------|-------------------|--|-------------------|--|
|   |          |                   |  |                   |  |
| Cable   | Length m | Part No.          |  | Part No.          |  |
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen                            | 1        | 96.453.1003.1     |  | 96.453.1003.6     |  |
|   | 2        | 96.453.2003.1     |  | 96.453.2003.6     |  |
|   | 3        | 96.453.3003.1     |  | 96.453.3003.6     |  |
|   | 4        | 96.453.4003.1     |  | 96.453.4003.6     |  |
|   | 5        | 96.453.5003.1     |  | 96.453.5003.6     |  |
|   | 6        | 96.453.6003.1     |  | 96.453.6003.6     |  |
|   | 7        | 96.453.7003.1     |  | 96.453.7003.6     |  |
|   | 8        | 96.453.8003.1     |  | 96.453.8003.6     |  |
| Cable   | Length m | Part No.          |  | Part No.          |  |
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen                | 1        | 96.453.1033.1     |  | 96.453.1033.6     |  |
|   | 2        | 96.453.2033.1     |  | 96.453.2033.6     |  |
|   | 3        | 96.453.3033.1     |  | 96.453.3033.6     |  |
|   | 4        | 96.453.4033.1     |  | 96.453.4033.6     |  |
|   | 5        | 96.453.5033.1     |  | 96.453.5033.6     |  |
|   | 6        | 96.453.6033.1     |  | 96.453.6033.6     |  |
|   | 7        | 96.453.7033.1     |  | 96.453.7033.6     |  |
|   | 8        | 96.453.8033.1     |  | 96.453.8033.6     |  |
| Cable   | Length m | Part No.          |  |                   |  |
| <b>Rubber-sheathed cable<br/>H07RN-F<br/>enhanced version</b><br>halogen-free | 1        | 96.453.1053.1     |  |                   |  |
|   | 2        | 96.453.2053.1     |  |                   |  |
|   | 3        | 96.453.3053.1     |  |                   |  |
|   | 4        | 96.453.4053.1     |  |                   |  |
|   | 5        | 96.453.5053.1     |  |                   |  |
|   | 6        | 96.453.6053.1     |  |                   |  |
|   | 7        | 96.453.7053.1     |  |                   |  |
|   | 8        | 96.453.8053.1     |  |                   |  |

## Cable assemblies

### Cable 5 x 2.5 mm<sup>2</sup>; 20 A

#### Connection cables male – free end



**250/400V  
black**



④ = GN/YE  
N = BU  
1 = BN  
2 = BK  
3 = GY

**250V  
turquoise**



④ = GN/YE  
N = BU  
1 = BN  
D1 = GY  
D2 = BK

| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 1        | 96.453.1004.1 | 96.453.1004.6 |
|  | 2        | 96.453.2004.1 | 96.453.2004.6 |
|  | 3        | 96.453.3004.1 | 96.453.3004.6 |
|  | 4        | 96.453.4004.1 | 96.453.4004.6 |
|  | 5        | 96.453.5004.1 | 96.453.5004.6 |
|  | 6        | 96.453.6004.1 | 96.453.6004.6 |
|  | 7        | 96.453.7004.1 | 96.453.7004.6 |
|  | 8        | 96.453.8004.1 | 96.453.8004.6 |

| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 1        | 96.453.1034.1 | 96.453.1034.6 |
|  | 2        | 96.453.2034.1 | 96.453.2034.6 |
|  | 3        | 96.453.3034.1 | 96.453.3034.6 |
|  | 4        | 96.453.4034.1 | 96.453.4034.6 |
|  | 5        | 96.453.5034.1 | 96.453.5034.6 |
|  | 6        | 96.453.6034.1 | 96.453.6034.6 |
|  | 7        | 96.453.7034.1 | 96.453.7034.6 |
|  | 8        | 96.453.8034.1 | 96.453.8034.6 |

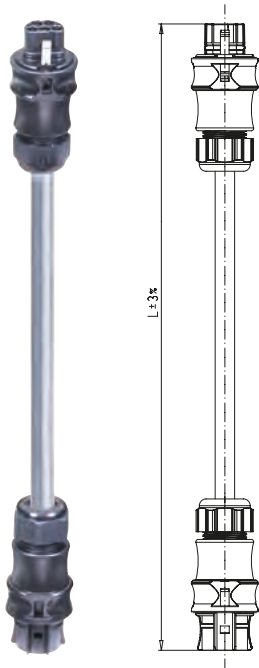
| Cable   | Length m | Part No.      |
|---|----------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F<br/>enhanced version</b><br>halogen-free | 1        | 96.453.1054.1 |
|   | 2        | 96.453.2054.1 |
|   | 3        | 96.453.3054.1 |
|   | 4        | 96.453.4054.1 |
|   | 5        | 96.453.5054.1 |
|   | 6        | 96.453.6054.1 |
|   | 7        | 96.453.7054.1 |
|   | 8        | 96.453.8054.1 |



Cable assemblies  
Cable 5 x 2.5 mm<sup>2</sup>; 20 A (Power 5-pole)

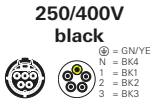
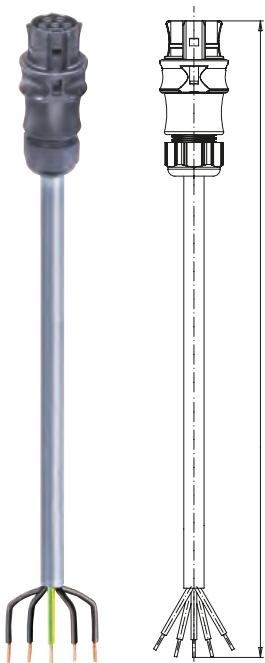
| Rated values        |                  |                  | Pull relief        | with gland nut |
|---------------------|------------------|------------------|--------------------|----------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock          | integrated     |
| Sheath strip length | (open cable end) | 35 mm            | Color cable        | gray           |
| Wire strip length   | (open cable end) | 9 mm             | Color handle shell | black          |

Connection cables female – male



| Cable   | Length m | Part No.      |
|---|----------|---------------|
| <b>Cable<br/>Ölflex Classic 110</b><br>containing halogen | 1        | 96.453.1080.1 |
|   | 2        | 96.453.2080.1 |
|   | 3        | 96.453.3080.1 |
|   | 4        | 96.453.4080.1 |
|   | 5        | 96.453.5080.1 |
|   | 6        | 96.453.6080.1 |
|   | 7        | 96.453.7080.1 |
|   | 8        | 96.453.8080.1 |

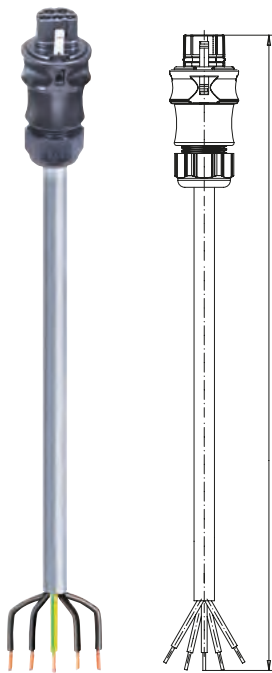
Connection cables female – free end



| Cable   | Length m | Part No.      |
|---|----------|---------------|
| <b>Cable<br/>Ölflex Classic 110</b><br>containing halogen | 1        | 96.453.1083.1 |
|   | 2        | 96.453.2083.1 |
|   | 3        | 96.453.3083.1 |
|   | 4        | 96.453.4083.1 |
|   | 5        | 96.453.5083.1 |
|   | 6        | 96.453.6083.1 |
|   | 7        | 96.453.7083.1 |
|   | 8        | 96.453.8083.1 |

Cable assemblies  
Cable 5 x 2.5 mm<sup>2</sup>; 20 A (Power 5-pole)

Connection cables male – free end



250/400V  
black  
⊗ = GN/YE  
⊘ = BK4  
1 = BK1  
2 = BK2  
3 = BK3

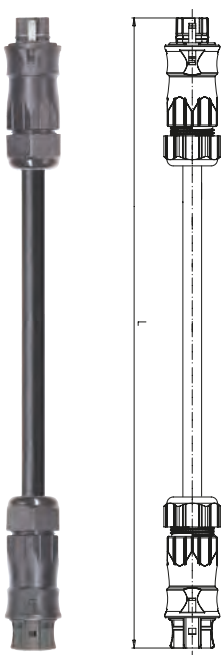
| Cable   | Length m | Part No.      |
|---|----------|---------------|
| <b>Cable</b><br><b>Ölflex Classic 110</b><br>containing halogen | 1        | 96.453.1084.1 |
|   | 2        | 96.453.2084.1 |
|   | 3        | 96.453.3084.1 |
|   | 4        | 96.453.4084.1 |
|   | 5        | 96.453.5084.1 |
|   | 6        | 96.453.6084.1 |
|   | 7        | 96.453.7084.1 |
|   | 8        | 96.453.8084.1 |

## Cable assemblies

### Cable 5 x 4.0 mm<sup>2</sup>; 20 A

| Rated values        |                  |                  | Pull relief        | with gland nut |
|---------------------|------------------|------------------|--------------------|----------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock          | integrated     |
| Sheath strip length | (open cable end) | 35 mm            | Color cable        | black          |
| Wire strip length   | (open cable end) | 9 mm             | Color handle shell | black          |

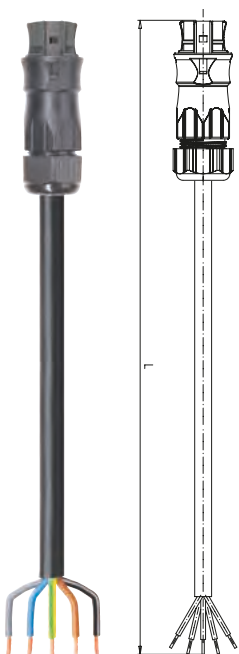
#### Connection cables female – male



| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 1        | 96.454.1000.1 | 96.454.1000.6 |
|  | 2        | 96.454.2000.1 | 96.454.2000.6 |
|  | 3        | 96.454.3000.1 | 96.454.3000.6 |
|  | 4        | 96.454.4000.1 | 96.454.4000.6 |
|  | 5        | 96.454.5000.1 | 96.454.5000.6 |
|  | 6        | 96.454.6000.1 | 96.454.6000.6 |
|  | 7        | 96.454.7000.1 | 96.454.7000.6 |
|  | 8        | 96.454.8000.1 | 96.454.8000.6 |

| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 1        | 96.454.1030.1 | 96.454.1030.6 |
|  | 2        | 96.454.2030.1 | 96.454.2030.6 |
|  | 3        | 96.454.3030.1 | 96.454.3030.6 |
|  | 4        | 96.454.4030.1 | 96.454.4030.6 |
|  | 5        | 96.454.5030.1 | 96.454.5030.6 |
|  | 6        | 96.454.6030.1 | 96.454.6030.6 |
|  | 7        | 96.454.7030.1 | 96.454.7030.6 |
|  | 8        | 96.454.8030.1 | 96.454.8030.6 |

#### Connection cables female – free end

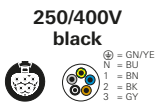
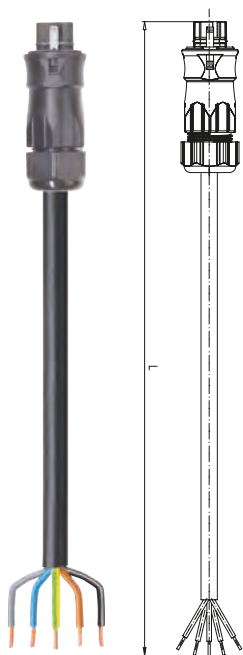


| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 1        | 96.454.1003.1 | 96.454.1003.6 |
|  | 2        | 96.454.2003.1 | 96.454.2003.6 |
|  | 3        | 96.454.3003.1 | 96.454.3003.6 |
|  | 4        | 96.454.4003.1 | 96.454.4003.6 |
|  | 5        | 96.454.5003.1 | 96.454.5003.6 |
|  | 6        | 96.454.6003.1 | 96.454.6003.6 |
|  | 7        | 96.454.7003.1 | 96.454.7003.6 |
|  | 8        | 96.454.8003.1 | 96.454.8003.6 |

| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 1        | 96.454.1033.1 | 96.454.1033.6 |
|  | 2        | 96.454.2033.1 | 96.454.2033.6 |
|  | 3        | 96.454.3033.1 | 96.454.3033.6 |
|  | 4        | 96.454.4033.1 | 96.454.4033.6 |
|  | 5        | 96.454.5033.1 | 96.454.5033.6 |
|  | 6        | 96.454.6033.1 | 96.454.6033.6 |
|  | 7        | 96.454.7033.1 | 96.454.7033.6 |
|  | 8        | 96.454.8033.1 | 96.454.8033.6 |

Cable assemblies  
Cable 5 x 4.0 mm<sup>2</sup>; 20 A

Connection cables male – free end



| Cable  | Length m | Part No.      | Part No.      |
|--|----------|---------------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br><br>containing halogen             | 1        | 96.454.1004.1 | 96.454.1004.6 |
|  | 2        | 96.454.2004.1 | 96.454.2004.6 |
|  | 3        | 96.454.3004.1 | 96.454.3004.6 |
|  | 4        | 96.454.4004.1 | 96.454.4004.6 |
|  | 5        | 96.454.5004.1 | 96.454.5004.6 |
|  | 6        | 96.454.6004.1 | 96.454.6004.6 |
|  | 7        | 96.454.7004.1 | 96.454.7004.6 |
|  | 8        | 96.454.8004.1 | 96.454.8004.6 |
|  |          |               |               |
| Cable  | Length m | Part No.      | Part No.      |
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br><br>containing halogen | 1        | 96.454.1034.1 | 96.454.1034.6 |
|  | 2        | 96.454.2034.1 | 96.454.2034.6 |
|  | 3        | 96.454.3034.1 | 96.454.3034.6 |
|  | 4        | 96.454.4034.1 | 96.454.4034.6 |
|  | 5        | 96.454.5034.1 | 96.454.5034.6 |
|  | 6        | 96.454.6034.1 | 96.454.6034.6 |
|  | 7        | 96.454.7034.1 | 96.454.7034.6 |
|  | 8        | 96.454.8034.1 | 96.454.8034.6 |

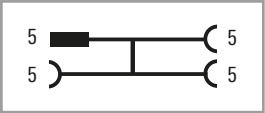


Distribution units

|                                      |                     |                                 |                             |
|--------------------------------------|---------------------|---------------------------------|-----------------------------|
| <b>RST compact distribution unit</b> |                     | 3 outputs routing 230/400V, 20A | RST 20i5 Coding Color black |
| Dimensions                           | 104 x 162 x 57.2 mm | Mounting option                 | Yes                         |
| Pre-wired with                       | 2.5 mm <sup>2</sup> |                                 |                             |



Circuit diagram



| Color        | Input | Outputs | Part No.      |
|--------------|-------|---------|---------------|
| ■ light grey | 1     | 3       | upon request  |
| ■ black      | 1     | 3       | 96.050.0153.1 |

|                                       |                     |                         |                                      |
|---------------------------------------|---------------------|-------------------------|--------------------------------------|
| <b>RST multiple distribution unit</b> |                     | Fitted as required with | M25 device connector 2- up to 5-pole |
| Dimensions                            | 104 x 162 x 96 mm   | Fuse                    | 6.3 or 10A can be integrated         |
| Pre-wired with                        | 2.5 mm <sup>2</sup> |                         |                                      |



| Color   | Input | Outputs | Part No.      |
|---------|-------|---------|---------------|
| ■ black | 1     | 7       | upon request  |
| ■ black | 1     | 5       | 96.050.2153.1 |

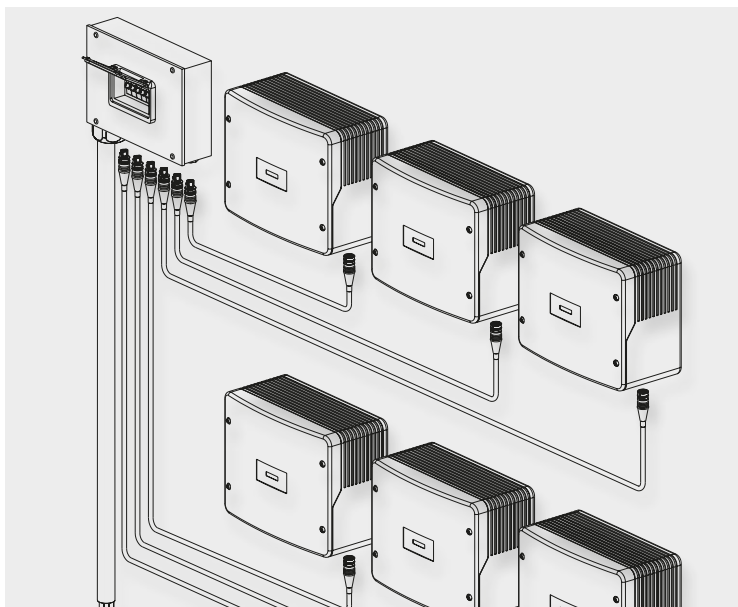






## Solar applications up to 32 A for single-phase supply with three-phase power monitoring or three-phase supply

### Application example



### General

The system has been specially adapted to the requirements of solar technology.

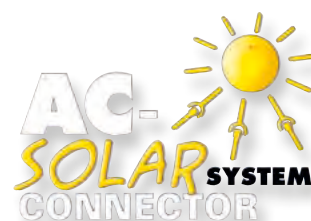
The connectors can be loaded with max. 32 A and are used for single-phase supply with power monitoring or three-phase supply.

Special distribution boxes are used to bundle the electrical power of up to 6 inverters and thus complete the system.

These connectors have their own mechanical coding. This means that only associated pairs of male and female can be connected with the correct polarity. This ensures a clear separation from the connectors of the other product series.

### Features:

- Fast mounting through easy handling
- UV-resistant
- Rated current up to 32 A (at 6.0 mm<sup>2</sup>)
- Cross-sections up to 6 mm<sup>2</sup>
- Degree of protection IP66/68 (3m; 2h) /69



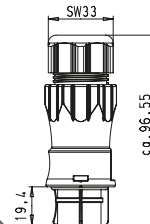
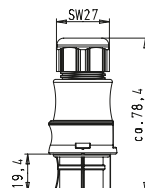
### Coding

|   |                                    |                  |                       |                            |                   |                       |
|---|------------------------------------|------------------|-----------------------|----------------------------|-------------------|-----------------------|
| For daily updates visit the website at <a href="http://eshop.wieland-electric.com">http://eshop.wieland-electric.com</a> .<br>Assembly instructions and other technical information can be found in the Technical Data or in eShop. |                                    |                  |                       |                            | Application       | 250/400V              |
|   |                                    |                  |                       |                            | Mechanical coding | L, N, $\oplus$ , 1, 2 |
| Name  | Description                        | Connection style | Strain relief housing | Connection points per pole | concrete gray     |                       |
| Connector   | 1 x cable entry                    | Screw            | yes                   | 1                          |                   |                       |
| Distribution units  | Distribution box RST RAN Solar     |                  |                       |                            |                   |                       |
|   | Distribution box RST Solar         |                  |                       |                            |                   |                       |
| Device connectors   | M25 device connector, Standard     |                  |                       |                            |                   |                       |
| Cable assemblies  | Connection cable Male – Free end   | pre-assembled    | pre-assembled         | pre-assembled              |                   |                       |
|   | Connection cable Female – Free end | pre-assembled    | pre-assembled         | pre-assembled              |                   |                       |
|   | Extension cable Male – Female      | pre-assembled    | pre-assembled         | pre-assembled              |                   |                       |
|   | Extension cable Male – Female      | pre-assembled    | pre-assembled         | pre-assembled              |                   |                       |



## Connectors, straight for cables Ø 10 – 14 mm and 13 – 18 mm

### Female connector




#### with screw connection for cables Ø 10 – 14 mm

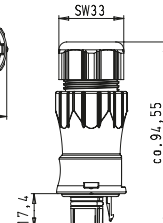
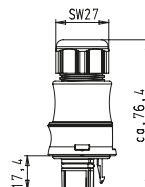
| Wire          | mm <sup>2</sup> |                  |
|---------------|-----------------|------------------|
| solid         | up to 4.0       | without ferrules |
| fine-stranded |                 |                  |

#### with screw connection for cables Ø 13 – 18 mm

| Wire          | mm <sup>2</sup> |                  |
|---------------|-----------------|------------------|
| solid         | up to 4.0       | without ferrules |
| fine-stranded | up to 6.0       |                  |

| Application | Coding   | Color                   | Part No.      | Cross-section     | Part No.      | Cross-section     |
|-------------|--|-------------------------|---------------|-------------------|---------------|-------------------|
| 250/400V    |  L, N, ⊕,<br>1, 2 | concrete gray/<br>black | 96.051.4154.3 | 4 mm <sup>2</sup> | 96.051.4554.3 | 4 mm <sup>2</sup> |
|             |  |                         |               |                   | 99.575.0000.7 | 6 mm <sup>2</sup> |

### Male connector



#### with screw connection for cables Ø 10 – 14 mm

| Wire          | mm <sup>2</sup> |                  |
|---------------|-----------------|------------------|
| solid         | up to 4.0       | without ferrules |
| fine-stranded |                 |                  |

#### with screw connection for cables Ø 13 – 18 mm

| Wire          | mm <sup>2</sup> |                  |
|---------------|-----------------|------------------|
| solid         | up to 4.0       | without ferrules |
| fine-stranded | up to 6.0       |                  |

| Application | Coding   | Color                   | Part No.      | Cross-section     | Part No.      | Cross-section     |
|-------------|--|-------------------------|---------------|-------------------|---------------|-------------------|
| 250/400V    |  L, N, ⊕,<br>1, 2 | concrete gray/<br>black | 96.052.4154.3 | 4 mm <sup>2</sup> | 96.052.4554.3 | 4 mm <sup>2</sup> |
|             |  |                         |               |                   | 99.576.0000.7 | 6 mm <sup>2</sup> |

## M25 device connector

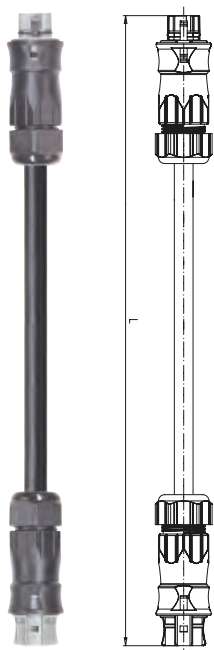
### straight, standard

## Cable assemblies

### Cable 5 x 4.0 mm<sup>2</sup>; 25 A

| Rated values        |                  |                  | Pull relief        | with gland nut |
|---------------------|------------------|------------------|--------------------|----------------|
| Wire ends           | (open cable end) | ultrason. welded | Interlock          | integrated     |
| Sheath strip length | (open cable end) | 35 mm            | Color cable        | black          |
| Wire strip length   | (open cable end) | 9 mm             | Color handle shell | black          |

#### Connection cables female – male



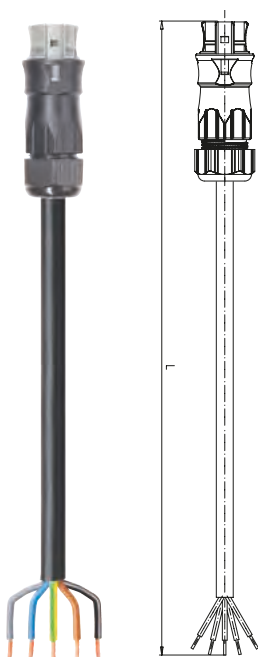
250/400V  
concrete gray/black



| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 1.0      | 96.854.1000.3 |
|  | 1.5      | 96.854.1500.3 |
|  | 2.0      | 96.854.2000.3 |
|  | 2.5      | 96.854.2500.3 |
|  | 3.0      | 96.854.3000.3 |
|  | 3.5      | 96.854.3500.3 |
|  | 4.0      | 96.854.4000.3 |

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 1.0      | 96.854.1030.3 |
|  | 1.5      | 96.854.1530.3 |
|  | 2.0      | 96.854.2030.3 |
|  | 2.5      | 96.854.2530.3 |
|  | 3.0      | 96.854.3030.3 |
|  | 3.5      | 96.854.3530.3 |
|  | 4.0      | 96.854.4030.3 |

#### Connection cables female – free end



250/400V  
concrete gray/black



| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>PVC cable<br/>H05VV-F</b><br>containing halogen | 1.0      | 96.854.1003.3 |
|  | 1.5      | 96.854.1503.3 |
|  | 2.0      | 96.854.2003.3 |
|  | 2.5      | 96.854.2503.3 |
|  | 3.0      | 96.854.3003.3 |
|  | 3.5      | 96.854.3503.3 |
|  | 4.0      | 96.854.4003.3 |

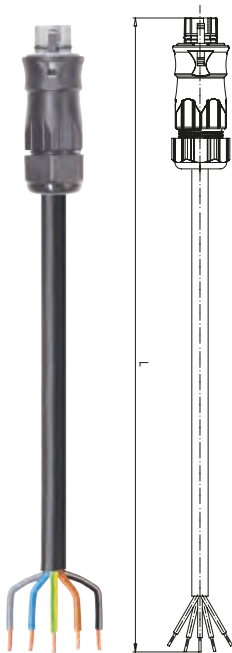
Cable diameter 14.3 mm ± 0.2  
According to VDE 0281/T5 and  
VDE 0288/T4

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| <b>Rubber-sheathed cable<br/>H07RN-F</b><br>containing halogen | 1.0      | 96.854.1033.3 |
|  | 1.5      | 96.854.1533.3 |
|  | 2.0      | 96.854.2033.3 |
|  | 2.5      | 96.854.2533.3 |
|  | 3.0      | 96.854.3033.3 |
|  | 3.5      | 96.854.3533.3 |
|  | 4.0      | 96.854.4033.3 |

Cable diameter 17.0 mm ± 0.3  
According to VDE 0281/T5 and  
VDE 0288/T4

Cable assemblies  
Cable 5 x 4.0 mm<sup>2</sup>; 25 A

Connection cables male – free end



250/400V  
concrete gray/black

⊕ = GN/YE  
N = BU  
1 = BN  
2 = BK  
L = GY

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| PVC cable<br>H05VV-F<br><br>containing halogen | 1.0      | 96.854.1004.3 |
|  | 1.5      | 96.854.1504.3 |
|  | 2.0      | 96.854.2004.3 |
|  | 2.5      | 96.854.2504.3 |
|  | 3.0      | 96.854.3004.3 |
|  | 3.5      | 96.854.3504.3 |
|  | 4.0      | 96.854.4004.3 |

Cable diameter 14.3 mm ± 0.2  
According to VDE 0281/T5 and  
VDE 0288/T4

| Cable  | Length m | Part No.      |
|--|----------|---------------|
| Rubber-sheathed cable<br>H07RN-F<br><br>containing halogen | 1.0      | 96.854.1034.3 |
|  | 1.5      | 96.854.1534.3 |
|  | 2.0      | 96.854.2034.3 |
|  | 2.5      | 96.854.2534.3 |
|  | 3.0      | 96.854.3034.3 |
|  | 3.5      | 96.854.3534.3 |
|  | 4.0      | 96.854.4034.3 |

Cable diameter 17.0 mm ± 0.3  
According to VDE 0281/T5 and  
VDE 0288/T4





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## The new RST20i6 and i7

### More poles for greater demands

Following the current trend, Wieland Electric continues to expand its **RST®** product range, presenting a 6- and 7-pole variant for the first time.

A total of three codings ensure both mechanical and color differentiation of the various circuits. To increase safety, a distinction is also drawn between applications with and without protective earth. The compact connectors with key data 250/400V; 600V UL/CSA, 20A, IP66/68 (3m; 2h)/69 offer high modularity and adaptability to the requirements of the application. Connectors are available in straight or angled versions, as well as for all common cable diameters. The range even includes connectors with 2 cable inputs for through-wiring. Both screw and crimp fittings are offered as the connection system.

As an interface to electrical devices, the system offers straight and angled adapters for all standard housing bores (for M16, M20, M25). All devices can therefore easily be converted to RST without changing tools.

# Combination of one-phase systems (network) with signals and emergency light

## Application example




## General

Multi-functionality requires a higher number of poles.

The system components, rated for up to 20 A, can accommodate cables of up to a maximum 2.5 mm<sup>2</sup> and are available with screw or crimp fittings. The 6-pole variant is designed specifically for dimming emergency lights.

Different codings within the RST series allow a mechanical and visual separation from other circuits.

## Coding

| For daily updates visit the website at <a href="http://eshop.wieland-electric.com">http://eshop.wieland-electric.com</a> .<br>Assembly instructions and other technical information can be found in the Technical Data or in eShop. |   |                        |                       | <b>Application</b>         | 250/400V  |
|---|---|------------------------|-----------------------|----------------------------|---|
|   |   |                        |                       | <b>Mechanical coding</b>   | L, N,  , 1, 2, Ls<br> |
| Name  | Description                                 | Connection system      | Strain-relief housing | Connection points per pole | turquoise   |
| <b>Connector</b>  | 1x cable guide                              | Screw<br>Crimp         | yes                   | 1                          | ✓   |
|   | 2x cable guide                              | Screw<br>Crimp fitting | yes                   | 1                          | ✓   |
| <b>Distributors</b>   | RST compact splitter/<br>multi-splitter     |                        |                       |                            | on request  |
|   | Individual distribution box                 |                        |                       |                            | on request  |
| <b>Device connectors</b>  | Device connector M16, modular,<br>straight  |                        |                       | 1                          | ✓   |
|   | Device connector M16, modular,<br>7° angled |                        |                       | 1                          | ✓   |
|   | Device connector M25, standard              |                        |                       | 1                          |   |
|   | Device connector M25, modular,<br>straight  |                        |                       | 1                          | ✓   |
|   | Device connector M20, modular,<br>straight  |                        |                       | 1                          | ✓   |
|   | Device connector M20, modular,<br>angled    |                        |                       | 1                          | ✓   |
|   | Device connector M25, modular,<br>angled    |                        |                       | 1                          | ✓   |
| <b>Cable assemblies</b>   | Device connector cable<br>Male – free end   | pre-assembled          | pre-assembled         | pre-assembled              | on request  |
|   | Connection cable<br>Female – free end       | pre-assembled          | pre-assembled         | pre-assembled              | on request  |
|   | Extension cable<br>Male – female            | pre-assembled          | pre-assembled         | pre-assembled              | on request  |

## Connector, straight

For cables Ø 6 - 10 mm and 10 - 14 mm

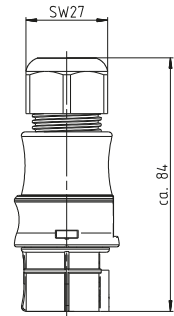
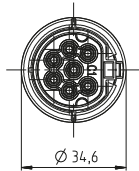
### Female connector

Unmounted with screwed cable gland.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.




#### With screw connection

|   |                 |
|---|-----------------|
| Cables  | mm <sup>2</sup> |
| Rigid   | 0.2 - 2.5       |
| Fine stranded   |                 |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Ø cable mm | Color     |
|-------------|---|------------|-----------|
| 250/400V    |  | 6 - 10     | turquoise |
|             |   | 10 - 14    |           |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.061.4053.6        | 9L.061.4053.6                   |
| 96.061.4153.6        | 9L.061.4153.6                   |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.161.0053.6        | 9L.161.0053.6                   |
| 96.161.0153.6        | 9L.161.0153.6                   |

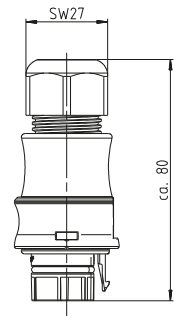
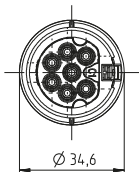
### Male connector

Unmounted with screwed cable gland and lock.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.




#### With screw connection

|   |                 |
|---|-----------------|
| Cables  | mm <sup>2</sup> |
| Rigid   | 0.2 - 2.5       |
| Fine stranded   |                 |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Ø cable mm | Color     |
|-------------|---|------------|-----------|
| 250/400V    |  | 6 - 10     | turquoise |
|             |   | 10 - 14    |           |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.062.4053.6        | on request                      |
| 96.062.4153.6        | on request                      |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.162.0053.6        | on request                      |
| 96.162.0153.6        | on request                      |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

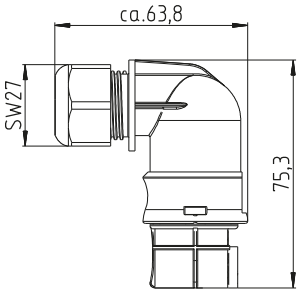
# Connector, angled 90°


For cables Ø 6 - 10 mm and 10 - 14 mm

## Female connector

Unmounted with screwed cable gland, 90° angle.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.

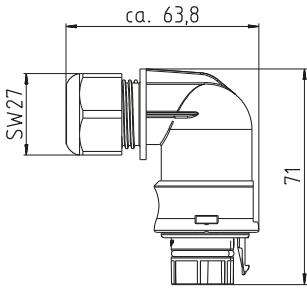




|             |   |            |           | With screw connection                     |                                 | With crimp connection |                                 |
|-------------|---|------------|-----------|---|---------------------------------|-----------------------|---------------------------------|
|             |   |            |           | Cables                                    | mm²                             | Cables                | mm²                             |
|             |   |            |           | Rigid                                     | 0.2 - 2.5                       | Fine stranded         | 0.75-2.5                        |
|             |   |            |           | Fine stranded                             |                                 |                       |                                 |
|             |   |            |           | Stranded                                  |                                 |                       |                                 |
|             |   |            |           | Cables with 2.5 mm² only without ferrules |                                 |                       |                                 |
| Application | Coding  | Ø cable mm | Color     | Part No.                                  | Part No.                        | Part No.              | Part No.                        |
| 250/400V    |  | 6 - 10     | turquoise | Without contact seal                      | With contact seal <sup>1)</sup> | Without contact seal  | With contact seal <sup>1)</sup> |
|             |   |            |           | 96.063.4053.6                             | 9L.063.4053.6                   | 96.161.0053.6         | 9L.163.0053.6                   |
|             |   | 10 - 14    |           | 96.063.4153.6                             | 9L.063.4153.6                   | 96.163.0153.6         | 9L.163.0153.6                   |

## Male connector

Unmounted with screwed cable gland and lock.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



|             |   |   |           | With screw connection                     |                                 | With crimp connection |                                 |
|-------------|---|---|-----------|---|---------------------------------|-----------------------|---------------------------------|
|             |   |   |           | Cables                                    |                                 | Cables                |                                 |
|             |   |   |           | mm²                                       |                                 | mm²                   |                                 |
|             |   |   |           | Rigid                                     |                                 | Fine stranded         |                                 |
|             |   |   |           | Fine stranded                             |                                 | 0.75-2.5              |                                 |
|             |   |   |           | 0.2 - 2.5                                 |                                 |                       |                                 |
|             |   |   |           | Stranded                                  |                                 |                       |                                 |
|             |   |   |           | Cables with 2.5 mm² only without ferrules |                                 |                       |                                 |
|             |   |   |           |   |                                 |                       |                                 |
| Application | Coding  | Ø cable mm  | Color     | Part No.                                  | Part No.                        | Part No.              | Part No.                        |
|             |   |   |           | Without contact seal                      | With contact seal <sup>1)</sup> | Without contact seal  | With contact seal <sup>1)</sup> |
| 250/400V    |  | L, N,  | turquoise | 96.064.4053.6                             | on request                      | 96.164.0053.6         | on request                      |
|             |   | 1, 2, Ls  |           | 96.064.4153.6                             | on request                      | 96.164.0153.6         | on request                      |
|             |   |   |           |   |                                 |                       |                                 |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector



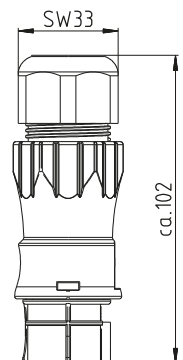
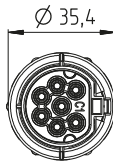
## Connector, straight

### For cables Ø 13 - 18 mm

#### Female connector

Unmounted with screwed cable gland.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.




#### With screw connection

|   |                 |
|---|-----------------|
| Cables  | mm <sup>2</sup> |
| Rigid   | 0.2 - 2.5       |
| Fine stranded   |                 |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding   | Ø cable mm | Color     |
|-------------|--|------------|-----------|
| 250/400V    |  L, N, PE, 1, 2, LS | 13 - 18    | turquoise |

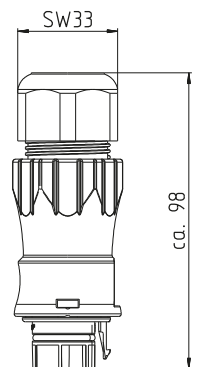
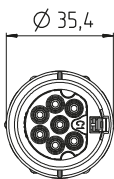
| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.061.4553.6        | 9L.061.4553.6                   |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.161.0553.6        | 9L.161.0553.6                   |

#### Male connector

Unmounted with screwed cable gland and lock.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.




#### With screw connection

|   |                                  |
|---|----------------------------------|
| Cables  | mm <sup>2</sup><br><br>0.2 - 2.5 |
| Rigid   |                                  |
| Fine stranded   |                                  |
| Stranded  |                                  |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                                  |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding   | Ø cable mm | Color     |
|-------------|--|------------|-----------|
| 250/400V    |  L, N, PE, 1, 2, LS | 13 - 18    | turquoise |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.062.4553.6        | on request                      |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.162.0553.6        | on request                      |

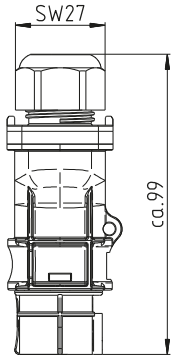
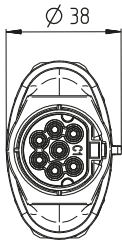
<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Connector with double connection, straight  
For cables Ø 6 - 10 mm and 10 - 14 mm

Female connector

Unmounted with screwed cable gland.  
With or without contact seal.

For stripping lengths, refer to Technical Specifications.

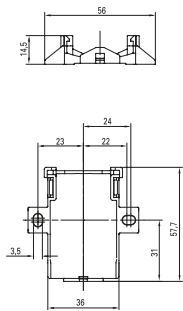


With screw connection

| Cables        | mm <sup>2</sup>              |
|---------------|------------------------------|
| Rigid         |                              |
| Fine stranded | 0.2 - 1.5 (without ferrules) |
| Stranded      |                              |

| Application | Coding | Ø cable mm | Color     | Part No.             | Part No.                        |
|-------------|--------|------------|-----------|----------------------|---------------------------------|
|             |        |            |           | Without contact seal | With contact seal <sup>1)</sup> |
| 250/400V    |        | 6 - 10     | turquoise | 96.061.4253.6        | on request                      |
|             |        | 10 - 14    |           | 96.061.4353.6        | on request                      |

Mounting plate for splitter connectors



| Color        | Part No.      |
|--------------|---------------|
| ■ light gray | 01.006.1553.0 |
| ■ black      | 01.006.1553.1 |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

# Device connector M25

## straight, modular

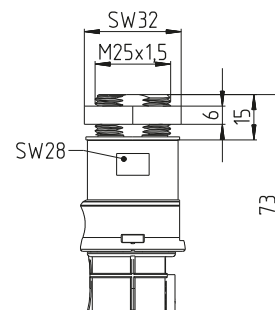
### Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.

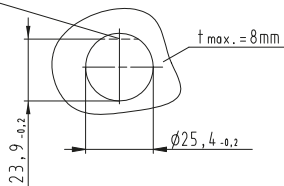
With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



wahlweise Verdrehsicherung  
optional protection against twisting



#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

Application Coding Color

|          |  |                |           |
|----------|--|----------------|-----------|
| 250/400V |  | L, N, 1, 2, Ls | turquoise |
|----------|--|----------------|-----------|

Part No. Part No.

| Without contact seal | With contact seal <sup>1)</sup> |
|----------------------|---------------------------------|
| 96.061.6253.6        | 9L.061.6253.6                   |

Part No. Part No.

| Without contact seal | With contact seal <sup>1)</sup> |
|----------------------|---------------------------------|
| 96.161.2253.6        | 9L.161.2253.6                   |

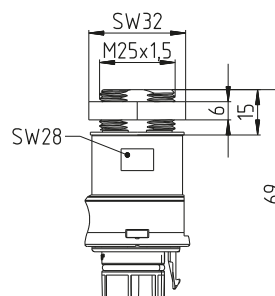
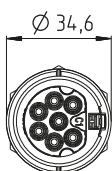
### Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.

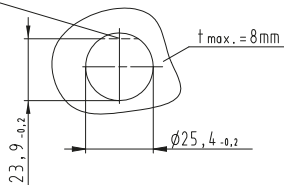
With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



wahlweise Verdrehsicherung  
optional protection against twisting



#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

Application Coding Color

|          |  |                |           |
|----------|--|----------------|-----------|
| 250/400V |  | L, N, 1, 2, Ls | turquoise |
|----------|--|----------------|-----------|

Part No. Part No.

| Without contact seal | With contact seal <sup>1)</sup> |
|----------------------|---------------------------------|
| 96.062.6253.6        | 9L.062.6253.6                   |

Part No. Part No.

| Without contact seal | With contact seal <sup>1)</sup> |
|----------------------|---------------------------------|
| 96.162.2253.6        | 9L.162.2253.6                   |

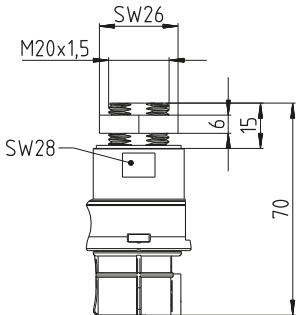
<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Device connector M20  
straight, modular

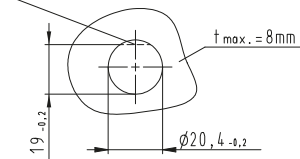
Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



wahlweise Verdrehsicherung  
optional protection against twisting




With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Sstranded   |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Color     |
|-------------|---|-----------|
| 250/400V    |  L, N, ⊕<br>1, 2, Ls | turquoise |

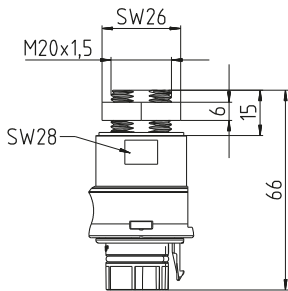
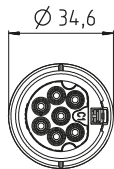
| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.061.6053.6        | 9L.061.6053.6                   |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.161.2053.6        | 9L.161.2053.6                   |

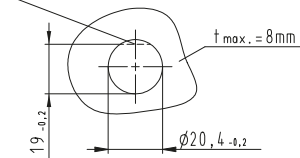
Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



wahlweise Verdrehsicherung  
optional protection against twisting




With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Color     |
|-------------|---|-----------|
| 250/400V    |  L, N, ⊕<br>1, 2, Ls | turquoise |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.062.6053.6        | 9L.062.6053.6                   |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.162.2053.6        | 9L.162.2053.6                   |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector



# Device connector M16

## straight, modular

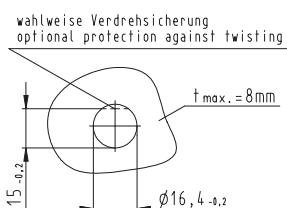
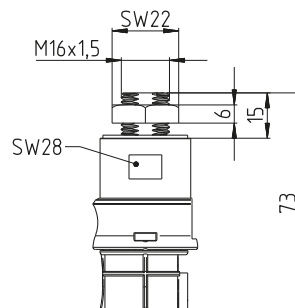
### Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.




#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding   | Color     |
|-------------|--|-----------|
| 250/400V    |  L, N, 1, 2, Ls | turquoise |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.061.6153.6        | 9L.061.6153.6                   |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.161.2153.6        | 9L.161.2153.6                   |

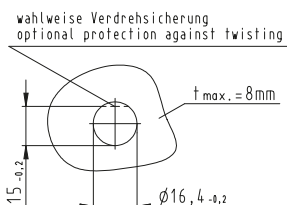
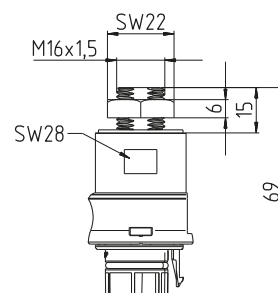
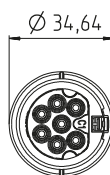
### Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.




#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding   | Color     |
|-------------|--|-----------|
| 250/400V    |  L, N, 1, 2, Ls | turquoise |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.062.6153.6        | 9L.062.6153.6                   |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.162.2153.6        | 9L.162.2253.6                   |

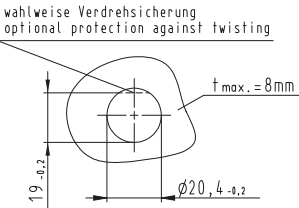
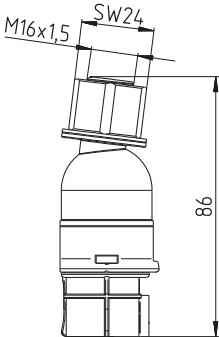
<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Device connector M16  
angled 7°, modular

Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.




With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Color     |
|-------------|---|-----------|
| 250/400V    |  L, N, ⊕<br>1, 2, Ls | turquoise |

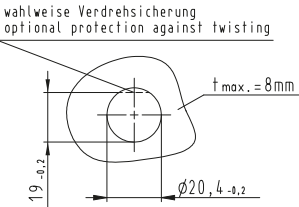
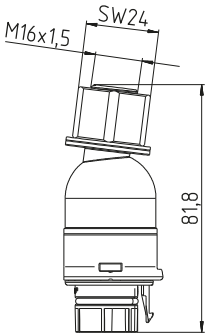
| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.065.6153.6        | Upon request                    |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.165.2153.6        | Upon request                    |

Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.




With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Color     |
|-------------|---|-----------|
| 250/400V    |  L, N, ⊕<br>1, 2, Ls | turquoise |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.066.6153.6        | Upon request                    |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.166.2153.6        | Upon request                    |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

## Device connector M20

### angled 90°, modular

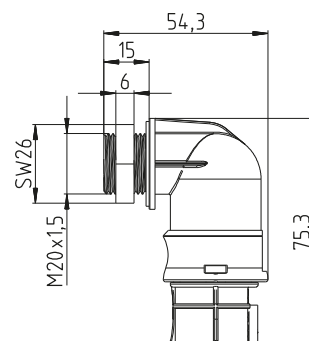
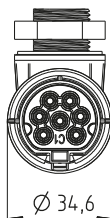
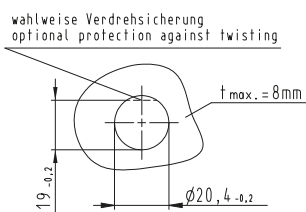
#### Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

Application Coding Color

|          |  |                     |           |
|----------|--|---------------------|-----------|
| 250/400V |  | L, N, ⊕<br>1, 2, Ls | turquoise |
|----------|--|---------------------|-----------|

Part No. Part No.

| Without contact seal | With contact seal <sup>1)</sup> |
|----------------------|---------------------------------|
| 96.063.6053.6        | on request                      |

Part No. Part No.

| Without contact seal | With contact seal <sup>1)</sup> |
|----------------------|---------------------------------|
| 96.163.2053.6        | on request                      |

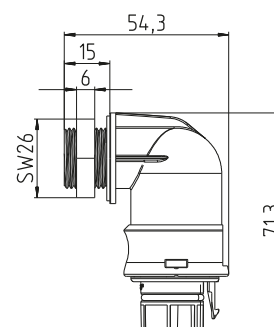
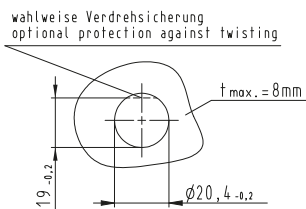
#### Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.

With or without contact seal.

Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

Application Coding Color

|          |  |                     |           |
|----------|--|---------------------|-----------|
| 250/400V |  | L, N, ⊕<br>1, 2, Ls | turquoise |
|----------|--|---------------------|-----------|

Part No. Part No.

| Without contact seal | With contact seal <sup>1)</sup> |
|----------------------|---------------------------------|
| 96.064.6053.6        | on request                      |

Part No. Part No.

| Without contact seal | With contact seal <sup>1)</sup> |
|----------------------|---------------------------------|
| 96.164.2053.6        | on request                      |

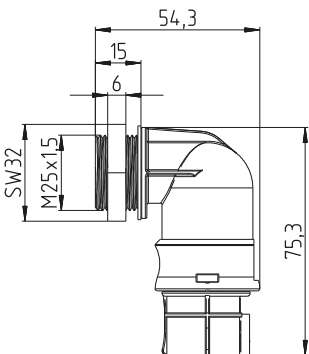
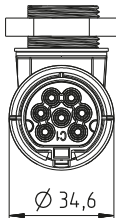
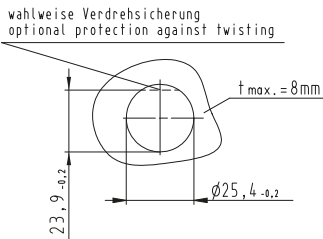
<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Device connector M25  
angled 90°, modular

Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.




With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Color     |
|-------------|---|-----------|
| 250/400V    |  L, N, ⊕<br>1, 2, Ls | turquoise |

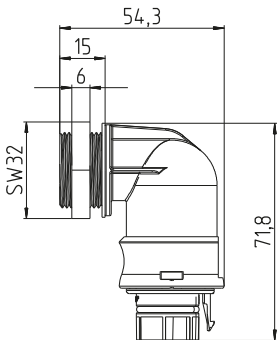
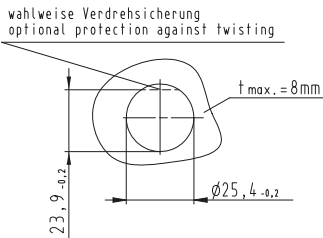
| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.063.6253.6        | on request                      |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.163.2253.6        | on request                      |

Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.




With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

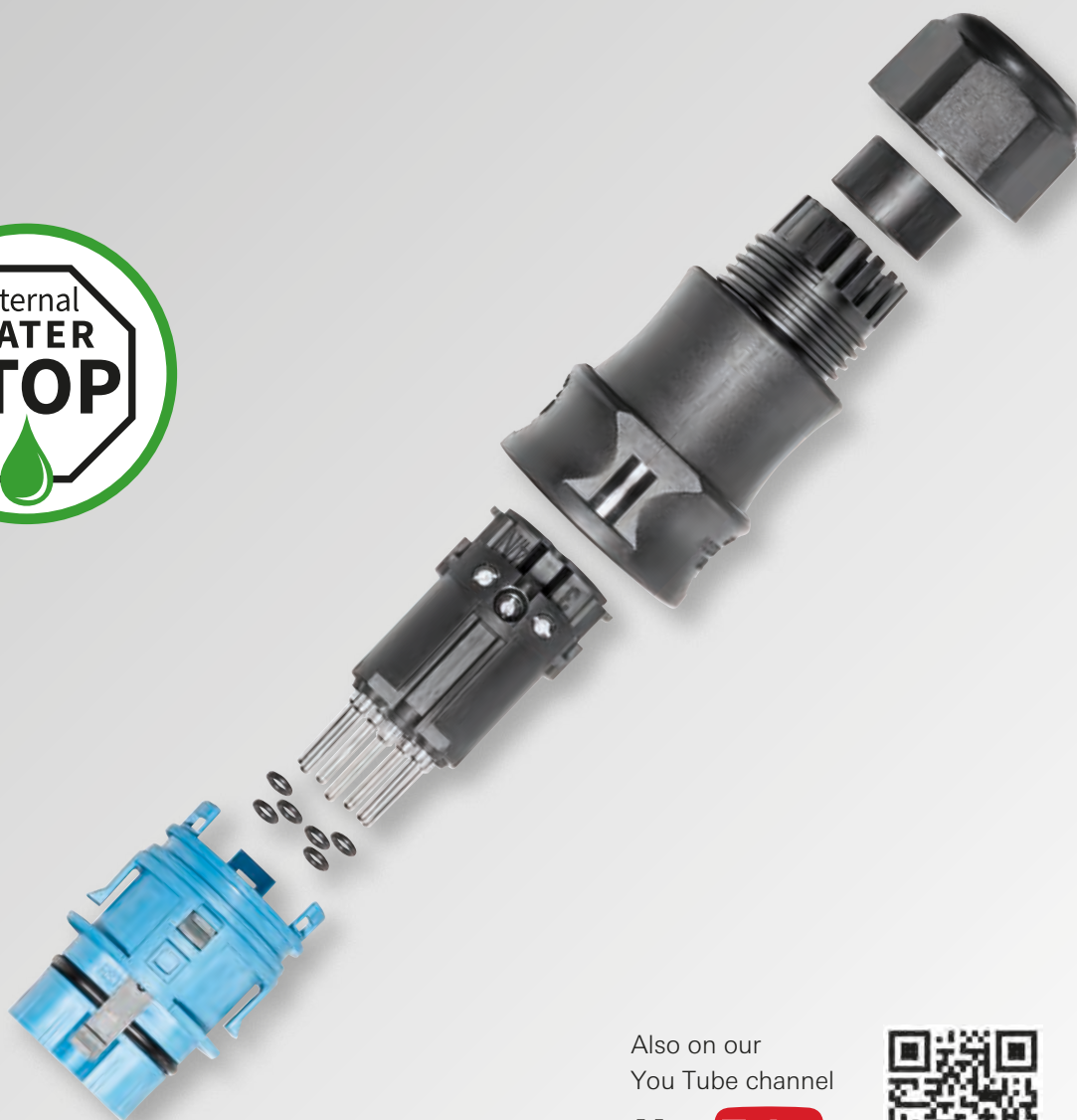
| Application | Coding  | Color     |
|-------------|---|-----------|
| 250/400V    |  L, N, ⊕<br>1, 2, Ls | turquoise |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.064.6253.6        | on request                      |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.164.2253.6        | on request                      |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector





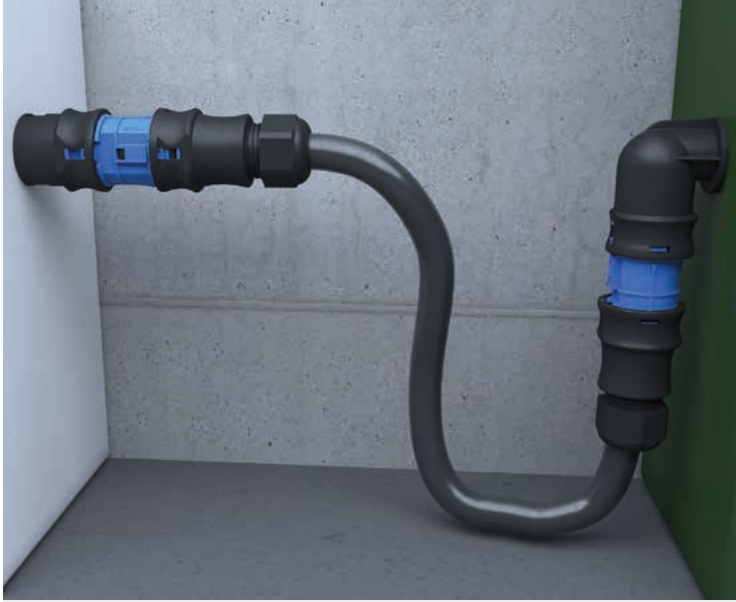
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RST® CLASSIC

# Combination of multi-phase systems (network) with signals, protection class II

## Application example



## General

Multi-functionality requires a higher number of poles.

The system components, rated for up to 20 A, can accommodate cables of up to a maximum 2.5 mm<sup>2</sup> and are available with screw or crimp fittings. The 7-pole variants are available with a total of 3 codings.

Different codings within the RST series allow a mechanical and visual separation from other circuits.

## Coding

| For daily updates visit the website at <a href="http://eshop.wieland-electric.com">http://eshop.wieland-electric.com</a> .<br>Assembly instructions and other technical information can be found in the Technical Data or in eShop. |  |                   |                       | Application                | 250/400V              |            | 250/400V              | 250/400V            |
|---|--|-------------------|-----------------------|----------------------------|-----------------------|------------|-----------------------|---------------------|
|   |  |                   |                       | Mechanical coding          | 1, 2, 3, 4/N, 5, 6, ⊕ |            | 1, 2, 3, 4/N, 5, 6, 7 | L, N, ⊕, 1, 2, 3, 4 |
|   |  |                   |                       |                            |                       |            |                       |                     |
| Name  | Description                              | Connection system | Strain-relief housing | Connection points per pole | light gray            | black      | light blue            | turquoise           |
| Connector   | 1x cable guide                           | Screw Crimp       | yes                   | 1                          | ✓                     | ✓          | ✓                     | ✓                   |
|   | 2x cable guide                           | Screw Crimp       | yes                   | 1                          | ✓                     | ✓          | ✓                     | ✓                   |
| Distributors  | RST compact splitter/ multi-splitter     |                   |                       |                            |                       |            |                       |                     |
|   | Individual distribution box              |                   |                       |                            | on request            | on request | on request            | on request          |
| Device connectors   | Device connector M16, modular, straight  |                   |                       |                            | ✓                     | ✓          | ✓                     | ✓                   |
|   | Device connector M16, modular, 7° angled |                   |                       |                            | ✓                     | ✓          | ✓                     | ✓                   |
|   | Device connector M25, standard           |                   |                       |                            |                       |            |                       |                     |
|   | Device connector M25, modular, straight  |                   |                       |                            | ✓                     | ✓          | ✓                     | ✓                   |
|   | Device connector M20, modular, straight  |                   |                       |                            | ✓                     | ✓          | ✓                     | ✓                   |
|   | Device connector M20, modular, angled    |                   |                       |                            | ✓                     | ✓          | ✓                     | ✓                   |
|   | Device connector M25, modular, angled    |                   |                       |                            | ✓                     | ✓          | ✓                     | ✓                   |
| Cable assemblies  | Device connector cable Male – free end   | pre-assembled     | pre-assembled         | pre-assembled              | on request            | on request | on request            | on request          |
|   | Connection cable Female – free end       | pre-assembled     | pre-assembled         | pre-assembled              | on request            | on request | on request            | on request          |
|   | Extension cable Male – female            | pre-assembled     | pre-assembled         | pre-assembled              | on request            | on request | on request            | on request          |

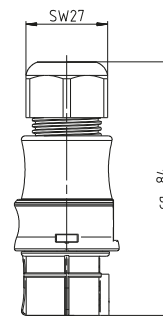
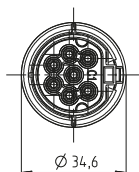
## Connector, straight

For cables Ø 6 - 10 mm and 10 - 14 mm

### Female connector

Unmounted with screwed cable gland.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

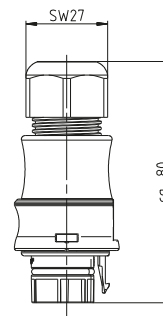
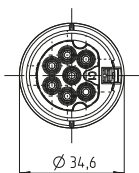
| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Ø cable mm               | Color      | Part No.             | Part No.                        | Part No.             | Part No.                        |               |
|-------------|---|--------------------------|------------|----------------------|---------------------------------|----------------------|---------------------------------|---------------|
|             |   |                          |            | Without contact seal | With contact seal <sup>1)</sup> | Without contact seal | With contact seal <sup>1)</sup> |               |
| 250/400V    |  | 1, 2, 3, 4/N,<br>5, 6, ⊕ | 6 – 10     | light gray           | 96.071.4053.0                   | 9L.071.4053.0        | 96.171.0053.0                   | 9L.171.0053.0 |
|             |   |                          |            | black                | 96.071.4053.1                   | 9L.071.4053.1        | 96.171.0053.1                   | 9L.171.0053.1 |
|             |   | 10 – 14                  | light gray | 96.071.4153.0        | 9L.071.4153.0                   | 96.171.0153.0        | 9L.171.0153.0                   |               |
|             |   |                          | black      | 96.071.4153.1        | 9L.071.4153.1                   | 96.171.0153.1        | 9L.171.0153.1                   |               |
|             |  | 1, 2, 3, 4/N,<br>5, 6, 7 | 6 – 10     | light blue           | 96.071.4053.9                   | 9L.071.4053.9        | 96.171.0053.9                   | 9L.171.0053.9 |
|             |   |                          | 10-14      | 96.071.4153.9        | 9L.071.4153.9                   | 96.171.0153.9        | 9L.171.0153.9                   |               |
|             |   | L, N, ⊕,<br>1, 2, 3, 4   | 6 – 10     | turquoise            | 96.071.4053.6                   | 9L.071.4053.6        | 96.171.0053.6                   | 9L.171.0053.6 |
|             |   |                          | 10-14      | 96.071.4153.6        | 9L.071.4153.6                   | 96.171.0153.6        | 9L.171.0153.6                   |               |

### Male connector

Unmounted with screwed cable gland and lock.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.





#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Multi-stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Ø cable mm               | Color      | Part No.             | Part No.                        | Part No.             | Part No.                        |            |
|-------------|---|--------------------------|------------|----------------------|---------------------------------|----------------------|---------------------------------|------------|
|             |   |                          |            | Without contact seal | With contact seal <sup>1)</sup> | Without contact seal | With contact seal <sup>1)</sup> |            |
| 250/400V    |  | 1, 2, 3, 4/N,<br>5, 6, ⊕ | 6 – 10     | light gray           | 96.072.4053.0                   | on request           | 96.172.0053.0                   | on request |
|             |   |                          |            | black                | 96.072.4053.1                   | on request           | 96.172.0053.1                   | on request |
|             |   | 10 – 14                  | light gray | 96.072.4153.0        | on request                      | 96.172.0153.0        | on request                      |            |
|             |   |                          | black      | 96.072.4153.1        | on request                      | 96.172.0153.1        | on request                      |            |
|             |  | 1, 2, 3, 4/N,<br>5, 6, 7 | 6 – 10     | light blue           | 96.072.4053.9                   | on request           | 96.172.0053.9                   | on request |
|             |   |                          | 10-14      | 96.072.4153.9        | on request                      | 96.172.0153.9        | on request                      |            |
|             |   | L, N, ⊕,<br>1, 2, 3, 4   | 6 – 10     | turquoise            | 96.072.4053.6                   | on request           | 96.172.0053.6                   | on request |
|             |   |                          | 10-14      | 96.072.4153.6        | on request                      | 96.172.0153.6        | on request                      |            |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

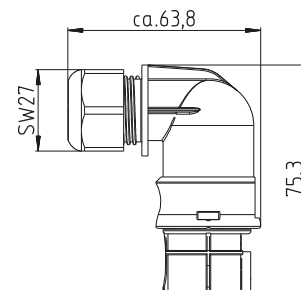
# Connector, straight

## For cables Ø 6 - 10 mm and 10 - 14 mm

### Female connector

Unmounted with screwed cable gland. 90° angle  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Multi-stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

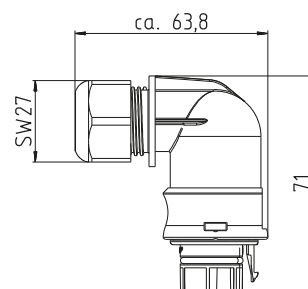
| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding | Ø cable mm | Color      | Part No.             | Part No.                        | Part No.             | Part No.                        |
|-------------|--------|------------|------------|----------------------|---------------------------------|----------------------|---------------------------------|
|             |        |            |            | Without contact seal | With contact seal <sup>1)</sup> | Without contact seal | With contact seal <sup>1)</sup> |
| 250/400V    |        | 6 – 10     | light gray | 96.073.4053.0        | 9L.073.4053.0                   | 96.173.0053.0        | 9L.173.0053.0                   |
|             |        |            | black      | 96.073.4053.1        | 9L.073.4053.1                   | 96.173.0053.1        | 9L.173.0053.1                   |
|             |        | 10 – 14    | light gray | 96.073.4153.0        | 9L.073.4153.0                   | 96.173.0153.0        | 9L.173.0153.0                   |
|             |        |            | black      | 96.073.4153.1        | 9L.073.4153.1                   | 96.173.0153.1        | 9L.173.0153.1                   |
|             |        | 6 – 10     | light blue | 96.073.4053.9        | 9L.073.4053.9                   | 96.173.0053.9        | 9L.173.0053.9                   |
|             |        |            |            | 96.073.4153.9        | 9L.073.4153.9                   | 96.173.0153.9        | 9L.173.0153.9                   |
|             |        | 10-14      |            | 96.073.4053.6        | 9L.073.4053.6                   | 96.173.0053.6        | 9L.173.0053.6                   |
|             |        |            |            | 96.073.4153.6        | 9L.073.4153.6                   | 96.173.0153.6        | 9L.173.0153.6                   |
|             |        | 6 – 10     | turquoise  | 96.073.4053.6        | 9L.073.4053.6                   | 96.173.0053.6        | 9L.173.0053.6                   |
|             |        |            |            | 96.073.4153.6        | 9L.073.4153.6                   | 96.173.0153.6        | 9L.173.0153.6                   |
|             |        | 10-14      |            | 96.073.4053.6        | 9L.073.4053.6                   | 96.173.0053.6        | 9L.173.0053.6                   |
|             |        |            |            | 96.073.4153.6        | 9L.073.4153.6                   | 96.173.0153.6        | 9L.173.0153.6                   |

### Male connector

Unmounted with screwed cable gland and lock.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Multi-stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding | Ø cable mm | Color      | Part No.             | Part No.                        | Part No.             | Part No.                        |  |
|-------------|--------|------------|------------|----------------------|---------------------------------|----------------------|---------------------------------|--|
|             |        |            |            | Without contact seal | With contact seal <sup>1)</sup> | Without contact seal | With contact seal <sup>1)</sup> |  |
| 250/400V    |        | 6 – 10     | light gray | 96.074.4053.0        | on request                      | 96.174.0053.0        | on request                      |  |
|             |        |            | black      | 96.074.4053.1        | on request                      | 96.174.0053.1        | on request                      |  |
|             |        | 10 – 14    | light gray | 96.074.4153.0        | on request                      | 96.174.0153.0        | on request                      |  |
|             |        |            | black      | 96.074.4153.1        | on request                      | 96.174.0153.1        | on request                      |  |
|             |        | 6 – 10     | light blue | 96.074.4053.9        | on request                      | 96.174.0053.9        | on request                      |  |
|             |        |            |            | 96.074.4153.9        | on request                      | 96.174.0153.9        | on request                      |  |
|             |        | 10-14      |            | 96.074.4053.6        | on request                      | 96.174.0053.6        | on request                      |  |
|             |        |            |            | 96.074.4153.6        | on request                      | 96.174.0153.6        | on request                      |  |
|             |        | 6 – 10     | turquoise  | 96.074.4053.6        | on request                      | 96.174.0053.6        | on request                      |  |
|             |        |            |            | 96.074.4153.6        | on request                      | 96.174.0153.6        | on request                      |  |
|             |        | 10-14      |            | 96.074.4053.6        | on request                      | 96.174.0053.6        | on request                      |  |
|             |        |            |            | 96.074.4153.6        | on request                      | 96.174.0153.6        | on request                      |  |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

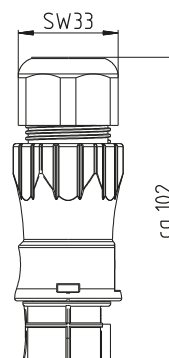
## Connector, straight

### For cables Ø 13 - 18 mm

#### Female connector

Unmounted with screwed cable gland.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



#### With screw connection

|   |                 |
|---|-----------------|
| Cables  | mm <sup>2</sup> |
| Rigid   | 0.2 - 2.5       |
| Fine stranded   |                 |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding                | Ø cable mm | Color               |
|-------------|-----------------------|------------|---------------------|
| 250/400V    | 1, 2, 3, 4/N, 5, 6, 7 | 13 – 18    | light gray<br>black |
|             | 1, 2, 3, 4/N, 5, 6, 7 | 13 – 18    | light blue          |
|             | L, N, PE, 1, 2, 3, 4  | 13 – 18    | turquoise           |

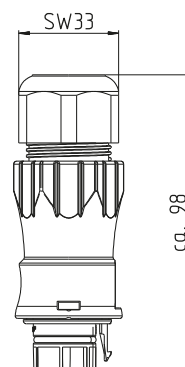
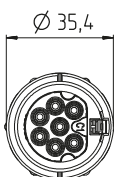
| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.071.4553.0        | 9L.071.4553.0                   |
| 96.071.4553.1        | 9L.071.4553.0                   |
| 96.071.4553.9        | 9L.071.4553.9                   |
| 96.071.4553.6        | 9L.071.4553.6                   |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.171.0553.0        | 9L.171.0553.0                   |
| 96.171.0553.1        | 9L.171.0553.1                   |
| 96.171.0553.9        | 9L.171.0553.9                   |
| 96.171.0553.6        | 9L.171.0553.6                   |

#### Male connector

Unmounted with screwed cable gland and lock.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



#### With screw connection

|   |                 |
|---|-----------------|
| Cables  | mm <sup>2</sup> |
| Rigid   | 0.2 - 2.5       |
| Fine stranded   |                 |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding                | Ø cable mm | Color               |
|-------------|-----------------------|------------|---------------------|
| 250/400V    | 1, 2, 3, 4/N, 5, 6, 7 | 13 – 18    | light gray<br>black |
|             | 1, 2, 3, 4/N, 5, 6, 7 | 13 – 18    | light blue          |
|             | L, N, PE, 1, 2, 3, 4  | 13 – 18    | turquoise           |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.072.4553.0        | on request                      |
| 96.072.4553.1        | on request                      |
| 96.072.4553.9        | on request                      |
| 96.072.4553.6        | on request                      |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.172.0553.0        | on request                      |
| 96.172.0553.1        | on request                      |
| 96.172.0553.9        | on request                      |
| 96.172.0553.6        | on request                      |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector



Connector with double connection, straight  
For cables Ø 6 - 10 mm and 10 - 14 mm

Female connector

Unmounted with screwed cable gland.  
With or without contact seal.  
Crimp contacts separate, Accessories.  
  
For stripping lengths, refer to Technical Specifications.

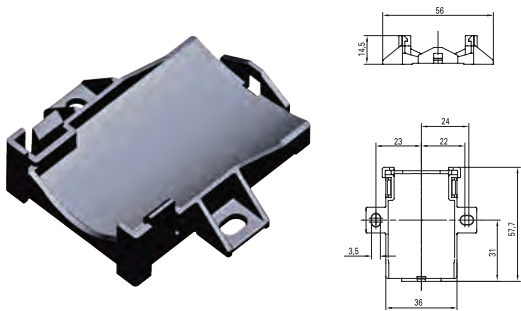


With screw connection

| Cables        | mm <sup>2</sup>            |
|---------------|----------------------------|
| Rigid         |                            |
| Fine stranded | 0.2-1.5 (without ferrules) |
| Stranded      |                            |

| Application | Coding | Ø cable mm | Color      | Part No.             | Part No.                        |
|-------------|--------|------------|------------|----------------------|---------------------------------|
|             |        |            |            | Without contact seal | With contact seal <sup>1)</sup> |
| 250/400V    |        | 6 – 10     | light gray | 96.071.4253.0        | on request                      |
|             |        |            | black      | 96.071.4253.1        | on request                      |
|             |        | 10 – 14    | light gray | 96.071.4353.0        | on request                      |
|             |        |            | black      | 96.071.4353.1        | on request                      |
|             |        | 6 – 10     | light blue | 96.071.4253.9        | on request                      |
|             |        |            |            | 96.071.4353.9        | on request                      |
|             |        | 10-14      |            | 96.071.4253.6        | on request                      |
|             |        |            | turquoise  | 96.071.4353.6        | on request                      |

Mounting plate for splitter connectors



| Color        | Part No.      |
|--------------|---------------|
| ■ light gray | 01.006.1553.0 |
| ■ black      | 01.006.1553.1 |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

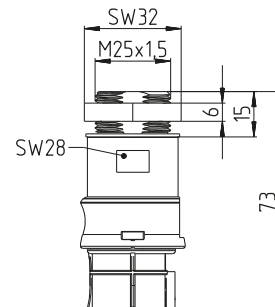
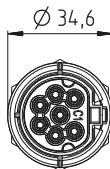
# Device connector M25

## straight, modular

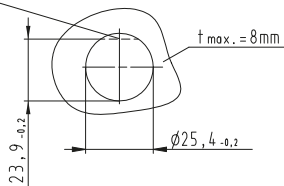
### Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



wahlweise Verdrehsicherung  
optional protection against twisting



#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

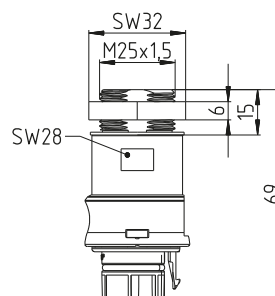
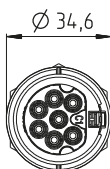
| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding | Color                 | Part No.             | Part No.                        | Part No.                       | Part No.                        |
|-------------|--------|-----------------------|----------------------|---------------------------------|--------------------------------|---------------------------------|
|             |        |                       | Without contact seal | With contact seal <sup>1)</sup> | Without contact seal           | With contact seal <sup>1)</sup> |
| 250/400V    |        | 1, 2, 3, 4/N, 5, 6, ⊕ | light gray<br>black  | 96.071.6253.0<br>96.071.6253.1  | 9L.071.6253.0<br>9L.071.6253.1 | 96.171.2253.0<br>96.171.2253.1  |
|             |        | 1, 2, 3, 4/N, 5, 6, 7 | light blue           | 96.071.6253.9                   | 9L.071.6253.9                  | 96.171.2253.9                   |
|             |        | L, N, ⊕, 1, 2, 3, 4   | turquoise            | 96.071.6253.6                   | 9L.071.6253.6                  | 96.171.2253.6                   |
|             |        |                       |                      |                                 |                                |                                 |

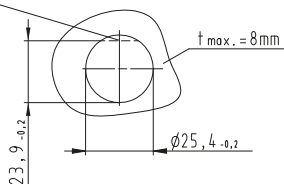
### Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



wahlweise Verdrehsicherung  
optional protection against twisting



#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding | Color                 | Part No.             | Part No.                        | Part No.                       | Part No.                        |
|-------------|--------|-----------------------|----------------------|---------------------------------|--------------------------------|---------------------------------|
|             |        |                       | Without contact seal | With contact seal <sup>1)</sup> | Without contact seal           | With contact seal <sup>1)</sup> |
| 250/400V    |        | 1, 2, 3, 4/N, 5, 6, ⊕ | light gray<br>black  | 96.072.6253.0<br>96.072.6253.1  | 9L.072.6253.0<br>9L.072.6253.1 | 96.172.2253.0<br>96.172.2253.1  |
|             |        | 1, 2, 3, 4/N, 5, 6, 7 | light blue           | 96.072.6253.9                   | 9L.072.6253.9                  | 96.172.2253.9                   |
|             |        | L, N, ⊕, 1, 2, 3, 4   | turquoise            | 96.072.6253.6                   | 9L.072.6253.6                  | 96.172.2253.6                   |
|             |        |                       |                      |                                 |                                |                                 |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

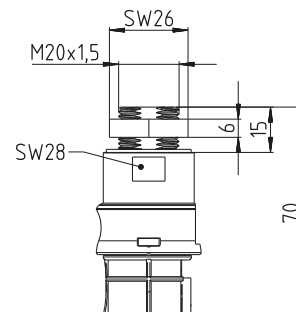
# Device connector M20

## straight, modular

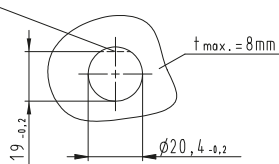
### Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



wahlweise Verdrehsicherung  
optional protection against twisting






#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Color               |
|-------------|---|---------------------|
| 250/400V    |  1, 2, 3, 4/N, 5, 6, ⊕ | light gray<br>black |
|             |  1, 2, 3, 4/N, 5, 6, 7 | light blue          |
|             |  L, N, ⊕, 1, 2, 3, 4   | turquoise           |
|             |   |                     |

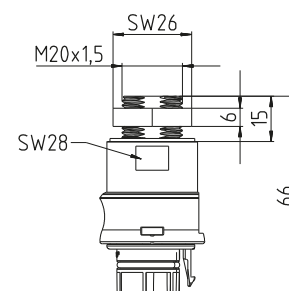
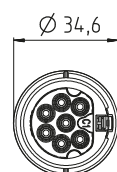
| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.071.6053.0        | 9L.071.6053.0                   |
| 96.071.6053.1        | 9L.071.6053.1                   |
| 96.071.6053.9        | 9L.071.6053.9                   |
| 96.071.6053.6        | 9L.071.6053.6                   |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.171.2053.0        | 9L.171.2053.0                   |
| 96.171.2053.1        | 9L.171.2053.1                   |
| 96.171.2053.9        | 9L.171.2053.9                   |
| 96.171.2053.6        | 9L.171.2053.6                   |

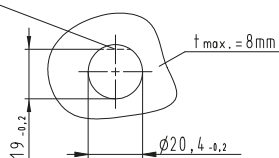
### Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



wahlweise Verdrehsicherung  
optional protection against twisting






#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Color               |
|-------------|---|---------------------|
| 250/400V    |  1, 2, 3, 4/N, 5, 6, ⊕ | light gray<br>black |
|             |  1, 2, 3, 4/N, 5, 6, 7 | light blue          |
|             |  L, N, ⊕, 1, 2, 3, 4   | turquoise           |
|             |   |                     |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.072.6053.0        | 9L.072.6053.0                   |
| 96.072.6053.1        | 9L.072.6053.1                   |
| 96.072.6053.9        | 9L.072.6053.9                   |
| 96.072.6053.6        | 9L.072.6053.6                   |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.172.2053.0        | 9L.172.2053.0                   |
| 96.172.2053.1        | 9L.172.2053.1                   |
| 96.172.2053.9        | 9L.172.2053.9                   |
| 96.172.2053.6        | 9L.172.2053.6                   |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

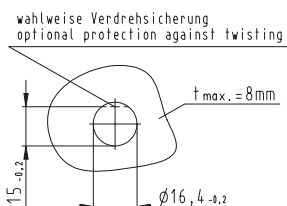
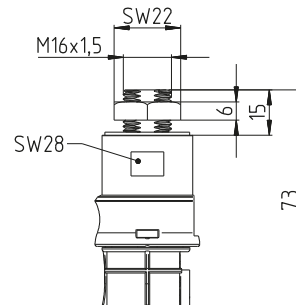
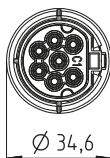
## Device connector M16

### straight, modular

#### Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

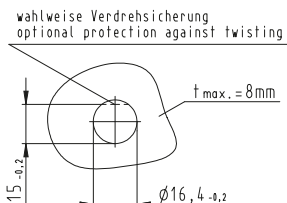
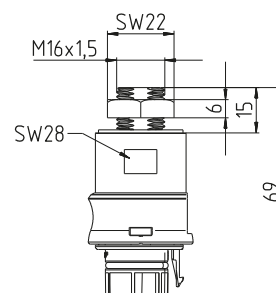
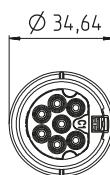
| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding | Color                 | Part No.             | Part No.                        | Part No.                       | Part No.                        |
|-------------|--------|-----------------------|----------------------|---------------------------------|--------------------------------|---------------------------------|
|             |        |                       | Without contact seal | With contact seal <sup>1)</sup> | Without contact seal           | With contact seal <sup>1)</sup> |
| 250/400V    |        | 1, 2, 3, 4/N, 5, 6, ⊕ | light gray<br>black  | 96.071.6153.0<br>96.071.6153.1  | 9L.071.6153.0<br>9L.071.6153.1 | 96.171.2153.0<br>96.171.2153.1  |
|             |        | 1, 2, 3, 4/N, 5, 6, 7 | light blue           | 96.071.6153.9                   | 9L.071.6153.9                  | 96.171.2153.9                   |
|             |        | L, N, ⊕, 1, 2, 3, 4   | turquoise            | 96.071.6153.6                   | 9L.071.6153.6                  | 96.171.2153.6                   |
|             |        |                       |                      |                                 |                                |                                 |

#### Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding | Color                 | Part No.             | Part No.                        | Part No.                       | Part No.                        |
|-------------|--------|-----------------------|----------------------|---------------------------------|--------------------------------|---------------------------------|
|             |        |                       | Without contact seal | With contact seal <sup>1)</sup> | Without contact seal           | With contact seal <sup>1)</sup> |
| 250/400V    |        | 1, 2, 3, 4/N, 5, 6, ⊕ | light gray<br>black  | 96.072.6153.0<br>96.072.6153.1  | 9L.072.6153.0<br>9L.072.6153.1 | 96.172.2153.0<br>96.172.2153.1  |
|             |        | 1, 2, 3, 4/N, 5, 6, 7 | light blue           | 96.072.6153.9                   | 9L.072.6153.9                  | 96.172.2153.9                   |
|             |        | L, N, ⊕, 1, 2, 3, 4   | turquoise            | 96.072.6153.6                   | 9L.072.6153.6                  | 96.172.2153.6                   |
|             |        |                       |                      |                                 |                                |                                 |

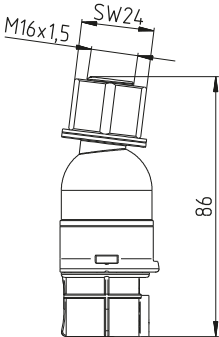
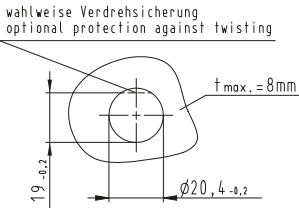
<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Device connector M16  
angled 7°, modular

Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.






With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Color               |
|-------------|---|---------------------|
| 250/400V    |  1, 2, 3, 4/N, 5, 6, ⊕ | light gray<br>black |
|             |  1, 2, 3, 4/N, 5, 6, 7 | light blue          |
|             |  L, N, ⊕, 1, 2, 3, 4   | turquoise           |

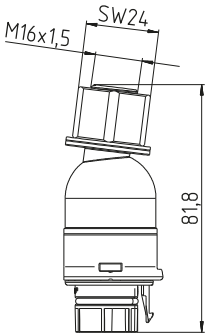
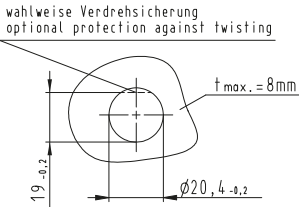
| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.075.6153.0        | on request                      |
| 96.075.6153.1        | on request                      |
| 96.075.6153.9        | on request                      |
| 96.075.6153.6        | on request                      |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.175.2153.0        | on request                      |
| 96.175.2153.1        | on request                      |
| 96.175.2153.9        | on request                      |
| 96.175.2153.6        | on request                      |

Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.






With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Color               |
|-------------|---|---------------------|
| 250/400V    |  1, 2, 3, 4/N, 5, 6, ⊕ | light gray<br>black |
|             |  1, 2, 3, 4/N, 5, 6, 7 | light blue          |
|             |  L, N, ⊕, 1, 2, 3, 4   | turquoise           |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.076.6153.0        | on request                      |
| 96.076.6153.1        | on request                      |
| 96.076.6153.9        | on request                      |
| 96.076.6153.6        | on request                      |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.176.2153.0        | on request                      |
| 96.176.2153.1        | on request                      |
| 96.176.2153.9        | on request                      |
| 96.176.2153.6        | on request                      |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

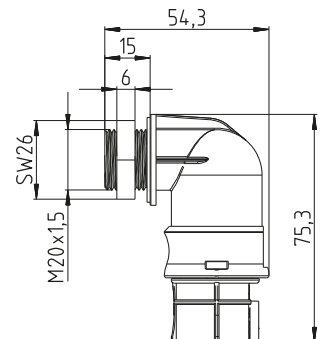
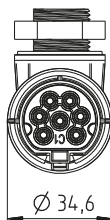
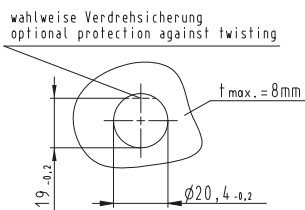


## Device connector M20 angled 90°, modular

### Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.






#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

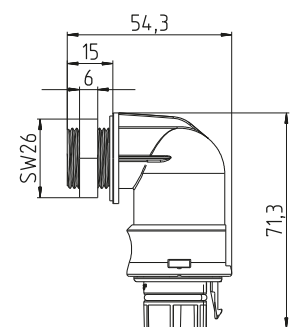
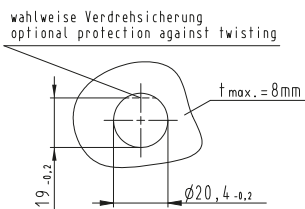
| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application |   | Coding  | Color                  | Part No.             | Part No.                        | Part No.             | Part No.                        |
|-------------|---|---|------------------------|----------------------|---------------------------------|----------------------|---------------------------------|
|             |   |   |                        | Without contact seal | With contact seal <sup>1)</sup> | Without contact seal | With contact seal <sup>1)</sup> |
| 250/400V    |  | 1, 2, 3, 4/N,<br>5, 6, ⊕  | light gray<br>black    | 96.073.6053.0        | on request                      | 96.173.2053.0        | on request                      |
|             |   |   |                        | 96.073.6053.1        | on request                      | 96.173.2053.1        | on request                      |
|             |  | 1, 2, 3, 4/N,<br>5, 6, 7  | light blue             | 96.073.6053.9        | on request                      | 96.173.2053.9        | on request                      |
|             |   |  | L, N, ⊕,<br>1, 2, 3, 4 | turquoise            | 96.073.6053.6                   | on request           | 96.173.2053.6                   |

### Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.






#### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

#### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding  | Color   | Part No.               | Part No.                        | Part No.             | Part No.                        |               |
|-------------|---|---|------------------------|---------------------------------|----------------------|---------------------------------|---------------|
|             |   |   | Without contact seal   | With contact seal <sup>1)</sup> | Without contact seal | With contact seal <sup>1)</sup> |               |
| 250/400V    |  | 1, 2, 3, 4/N,<br>5, 6, ⊕  | light gray             | 96.074.6053.0                   | on request           | 96.174.2053.0                   | on request    |
|             |   |   | black                  | 96.074.6053.1                   | on request           | 96.174.2053.1                   | on request    |
|             |  | 1, 2, 3, 4/N,<br>5, 6, 7  | light blue             | 96.074.6053.9                   | on request           | 96.174.2053.9                   | on request    |
|             |   |  | L, N, ⊕,<br>1, 2, 3, 4 | turquoise                       | 96.074.6053.6        | on request                      | 96.174.2053.6 |

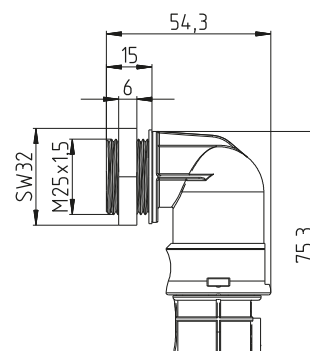
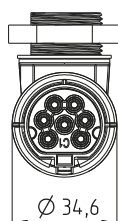
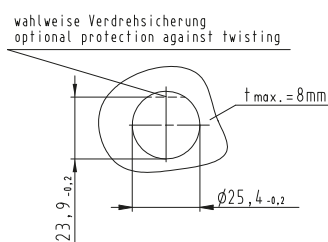
<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

# Device connector M25 angled 90°, modular

## Female connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding                | Color               |
|-------------|-----------------------|---------------------|
| 250/400V    | 1, 2, 3, 4/N, 5, 6, 7 | light gray<br>black |
|             | 1, 2, 3, 4/N, 5, 6, 7 | light blue          |
|             | L, N, PE, 1, 2, 3, 4  | turquoise           |

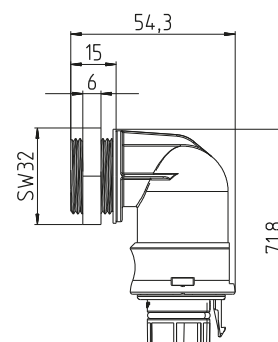
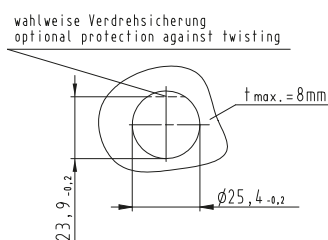
| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.073.6253.0        | on request                      |
| 96.073.6253.1        | on request                      |
| 96.073.6253.9        | on request                      |
| 96.073.6253.6        | on request                      |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.173.2253.0        | on request                      |
| 96.173.2253.1        | on request                      |
| 96.173.2253.9        | on request                      |
| 96.173.2253.6        | on request                      |

## Male connector

Position fixing guaranteed by flattening the thread. Screwed from inside.  
With or without contact seal.  
Crimp contacts separate, Accessories.

For stripping lengths, refer to Technical Specifications.



### With screw connection

| Cables  | mm <sup>2</sup> |
|---|-----------------|
| Rigid   |                 |
| Fine stranded   | 0.2 - 2.5       |
| Stranded  |                 |
| Cables with 2.5 mm <sup>2</sup> only without ferrules |                 |

### With crimp connection

| Cables        | mm <sup>2</sup> |
|---------------|-----------------|
| Fine stranded | 0.75-2.5        |

| Application | Coding                | Color               |
|-------------|-----------------------|---------------------|
| 250/400V    | 1, 2, 3, 4/N, 5, 6, 7 | light gray<br>black |
|             | 1, 2, 3, 4/N, 5, 6, 7 | light blue          |
|             | L, N, PE, 1, 2, 3, 4  | turquoise           |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.074.6253.0        | on request                      |
| 96.074.6253.1        | on request                      |
| 96.074.6253.9        | on request                      |
| 96.074.6253.6        | on request                      |

| Part No.             | Part No.                        |
|----------------------|---------------------------------|
| Without contact seal | With contact seal <sup>1)</sup> |
| 96.174.2253.0        | on request                      |
| 96.174.2253.1        | on request                      |
| 96.174.2253.9        | on request                      |
| 96.174.2253.6        | on request                      |

<sup>1)</sup> When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

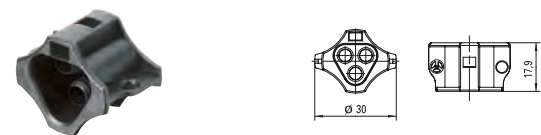
Cover pieces for 2-/3-pole

For the safe closure of female and male connectors.  
With mounting strap for snapping onto plug connectors and device connectors

for female



for male



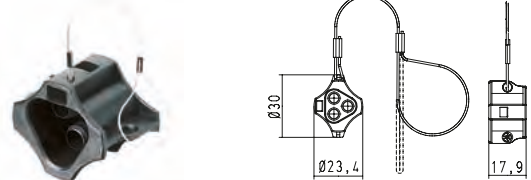
not captive against loss

|              | for female    | for male      |
|--------------|---------------|---------------|
| Color        | Part No.      | Part No.      |
| ■ light gray | Z5.564.4553.0 | 05.564.4453.0 |
| ■ black      | Z5.564.4553.1 | 05.564.4453.1 |

for female



for male



captive against loss

|              | for female    | for male      |
|--------------|---------------|---------------|
| Color        | Part No.      | Part No.      |
| ■ light gray | 99.413.6205.2 | 99.415.6205.2 |
| ■ black      | 99.414.6205.2 | 99.416.6205.2 |

Crimp contacts for 2-/3-pole

Female contacts



Male contacts



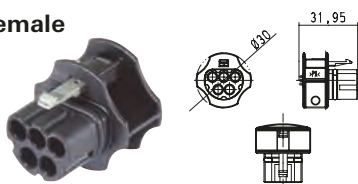
| Name                 | Marking  | (groove) mm <sup>2</sup> | Part No.      |
|----------------------|----------|--------------------------|---------------|
| Female crimp contact | 1        | 0.75 – 1.0               | 02.122.9000.0 |
| Female crimp contact | unmarked | 1.5                      | 02.122.9100.0 |
| Female crimp contact | 1        | 2.5                      | 02.122.9200.0 |
| Female crimp contact | unmarked | 4.0                      | 02.122.9300.0 |
| Male crimp contact   | 1        | 0.75 – 1.0               | 05.544.7800.0 |
| Male crimp contact   | unmarked | 1.5                      | 05.544.7900.0 |
| Male crimp contact   | 1        | 2.5                      | 05.544.8000.0 |
| Male crimp contact   | unmarked | 4.0                      | 05.545.4600.0 |

## Cover pieces for 4-/5-pole

For the safe closure of female and male connectors.

With mounting strap for snapping onto plug connectors and device connectors

for female



for male



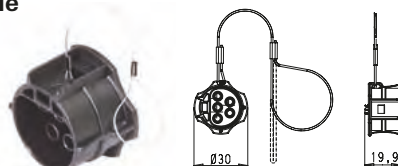
not captive against loss

| Color        | for female<br>Part No. | for male<br>Part No. |
|--------------|------------------------|----------------------|
| ■ light gray | Z5.565.9853.0          | 05.565.9953.0        |
| ■ black      | Z5.565.9853.1          | 05.565.9953.1        |

for female



for male



captive against loss

| Color        | for female<br>Part No. | for male<br>Part No. |
|--------------|------------------------|----------------------|
| ■ light gray | 99.529.0000.7          | 99.531.0000.7        |
| ■ black      | 99.530.0000.7          | 99.532.0000.7        |

## Crimp contacts for 4-/5-pole

Female contact



Male contact



| Name           | Marking | (groove) mm <sup>2</sup> | Part No.      |
|----------------|---------|--------------------------|---------------|
| Female contact | None    | 0.75 – 1.0               | 02.125.5521.8 |
| Female contact | 1       | 1.5                      | 02.125.5621.8 |
| Female contact | 2       | 2.5                      | 02.125.5721.8 |
| Female contact | 3       | 4.0                      | 02.125.5821.8 |
| Male contact   | None    | 0.75 – 1.0               | 05.545.0021.8 |
| Male contact   | 1       | 1.5                      | 05.545.0121.8 |
| Male contact   | 2       | 2.5                      | 05.545.0221.8 |
| Male contact   | 3       | 4.0                      | 05.545.0321.8 |

Cover pieces for 6-/7-pole

For the safe closure of female and male connectors.  
With mounting strap for snapping onto plug connectors and device connectors

for female



for male



for female



for male



not captive against loss

| Color   | for female                | for male                  |
|---------|---------------------------|---------------------------|
| ■ black | Part No.<br>Z5.569.5253.1 | Part No.<br>Z5.569.5353.1 |

captive against loss

| Color   | for female                | for male                  |
|---------|---------------------------|---------------------------|
| ■ black | Part No.<br>99.589.0000.7 | Part No.<br>99.591.0000.7 |

Crimp contacts for 6-/7-pole

Female contact



Male contact



| Name           | Marking | (groove) mm <sup>2</sup> | Part No.      |
|----------------|---------|--------------------------|---------------|
| Female contact | None    | 0.75 – 1.0               | 02.127.1121.8 |
| Female contact | 1       | 1.5                      | 02.127.1221.8 |
| Female contact | 2       | 2.5                      | 02.127.1321.8 |
| Male contact   | None    | 0.75 – 1.0               | 05.546.3921.8 |
| Male contact   | 1       | 1.5                      | 05.546.4021.8 |
| Male contact   | 2       | 2.5                      | 05.546.4121.8 |



Crimping tool



| Name                           | Part No.      |
|--------------------------------|---------------|
| Crimping tool incl. system kit | 95.101.0800.0 |
| Crimping die B                 | 05.502.2100.0 |
| Contact positioner             | 05.502.3600.0 |

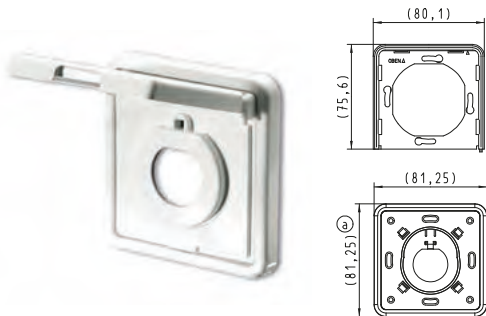
Unlocking tool  
for crimp contacts



| Name           | Part No.      |
|----------------|---------------|
| Unlocking tool | 05.502.3500.0 |

Socket frame for device connectors M25  
straight (female)

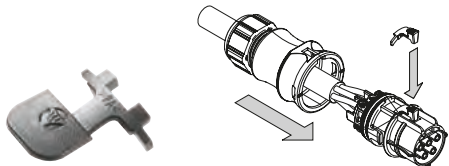
|                    |                   |
|--------------------|-------------------|
| Protection rating: | IP 44             |
| RST approval:      | 2PfG1915, EN61535 |
| Entry:             | 2- up to 5-pole   |



| Color                          | Part No.      |
|--------------------------------|---------------|
| <input type="checkbox"/> white | 99.400.9999.7 |



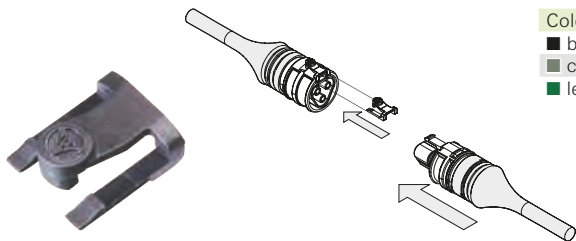
|  |       |                 |
|--|-------|-----------------|
| <b>Manual disconnect tool</b><br>Retrofitting of plug connectors (female only) | Poles | 2- up to 5-pole |
|--|-------|-----------------|



| Color           | Part No.      |
|-----------------|---------------|
| ■ black         | 05.564.8653.1 |
| ■ concrete gray | 05.564.8653.3 |
| ■ leaves green  | 05.564.8653.7 |

With the manual disconnect tool, only one button must be pressed to easily disconnect the connections.  
Also see the Mounting Instructions!

|   |                |                                    |
|---|----------------|------------------------------------|
| <b>Manual disconnect tool</b><br>Retrofitting of pre-assembled cables | Cable<br>Model | RST20i2, RST20i3<br>shrinkage tube |
|---|----------------|------------------------------------|



| Color           | Part No.      |
|-----------------|---------------|
| ■ black         | 05.565.8653.1 |
| ■ concrete gray | 05.565.8653.3 |
| ■ leaves green  | 05.565.8653.7 |

With the manual disconnect tool, only one button must be pressed to easily disconnect the connections.  
Also see the Mounting Instructions!

|   |
|---|
| <b>Manual disconnect tool for 6-/7-pole</b> |
|---|



| Name                          | Part No.      |
|-------------------------------|---------------|
| <b>Manual disconnect tool</b> | 06.562.8753.0 |

|                                    |   |
|------------------------------------|---|
| <b>Locking slide - Safety Clip</b> | <b>for replacement need, delivery quantity 100 pieces</b> |
|------------------------------------|---|



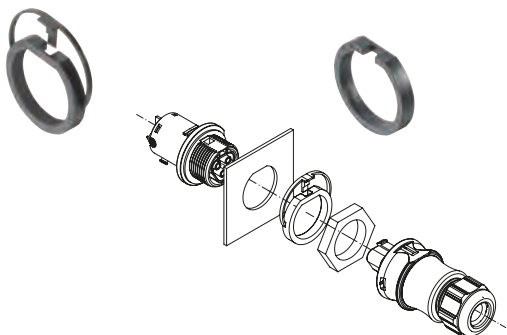
| Color           | Part No.      |
|-----------------|---------------|
| ■ black         | 05.583.2900.1 |
| ■ concrete gray | 05.583.2900.3 |

**Note:** The locking devices are integrated in the according plug parts at the factory. They click audibly when plugged in, confirming the safe connection. They are by default loosened with a screw driver or with the manual disconnect facility (can be ordered separately). In case of excessive tension on the connection these will loosen, however, to prevent hazards by wires pulled out of the contacts. This safety mechanism will lead to wear or destroy the slider, which should be replaced after having been activated several times.

|   |                             |
|---|-----------------------------|
| <b>Spacer ring for device connector M25, female connector 2- up to 5-pole</b> | <b>for replacement need</b> |
|---|-----------------------------|

Manually actuated

Screwdriver actuated



|              | manually actuated | with screwdriver |
|--------------|-------------------|------------------|
| Color        | Part No.          | Part No.         |
| ■ light gray | 05.568.8853.0     | 05.566.5253.0    |
| ■ black      | 05.568.8853.1     | 05.566.5253.1    |

A spacer ring makes it possible to unlock a connection at the device connector (female).

Ferrule crimping tool  
for termination points with spring clamp technology

Cable end sleeves 0.08 – 6.0 mm<sup>2</sup>, AWG 28 – 10  
Total length 174 mm  
Square compression; releasable latch; compression adjustable



| Name                  | Part No.      |
|-----------------------|---------------|
| Ferrule crimping tool | 95.101.1300.0 |

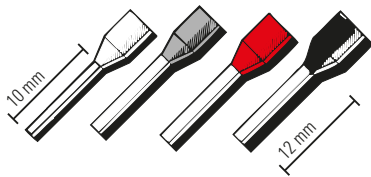
Cable end sleeves

Materials

Sleeve Polypropylene  
Temperature resistance up to 105 °C, tracking resistant  
Tube E-Cu, galvanically tin-plated

for RST 20i3 spring clamp connectors

Insulating sleeve Yes  
for wires  
0.50 mm<sup>2</sup> DIN 46228-E0,5-10  
0.75 mm<sup>2</sup> DIN 46228-E0,75-12  
1.00 mm<sup>2</sup> DIN 46228-E1,0-12  
1.50 mm<sup>2</sup> DIN 46228-E1,5-12



| Name              | mm <sup>2</sup> | Color | Part No.      |
|-------------------|-----------------|-------|---------------|
| Cable end sleeves | 0.50            | white | 06.600.3827.0 |
| Cable end sleeves | 0.75            | gray  | 06.600.3727.0 |
| Cable end sleeves | 1.00            | red   | 06.600.3627.0 |
| Cable end sleeves | 1.50            | black | 06.600.3927.0 |

Screwdriver  
according to DIN 5264

for RST spring clamp connections

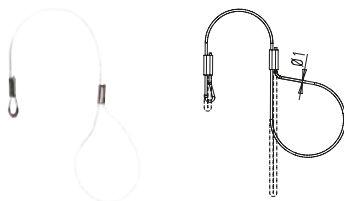
Blade 0.4 x 2.5 mm



| Name        | Part No.      |
|-------------|---------------|
| Screwdriver | 06.502.4300.0 |

Fastening cord

for cover pieces 2-/3-pole & 4-/5-polig



| Color        | Part No.      |
|--------------|---------------|
| ■ light gray | 99.000.9950.6 |

## Sample kit RST 20i3 getting to know

Contents:

- Connector
- Device connector
- Cover pieces



| Name                       | Part No.      |
|----------------------------|---------------|
| <b>Sample set RST 20i3</b> | 99.429.0000.0 |

## Sample kit RST 20i5 getting to know

Contents:

- Connector
- Device connector
- Cover pieces



| Name                       | Part No.      |
|----------------------------|---------------|
| <b>Sample kit RST 20i5</b> | 99.430.0000.0 |

## Sample kit RST 20i7 getting to know

Contents:

- Connector
- Device connector
- Cover pieces



| Name                       | Part No.      |
|----------------------------|---------------|
| <b>Sample kit RST 20i7</b> | 99.696.0000.0 |

## Sample kit RST 20i2...i7 getting to know

Contents:

- Connectors, including all codings
- Device connectors
- Pre-assembled cables
- Distributors
- Cover pieces



| Name   | Part No.      |
|--|---------------|
| <b>Sample set RST 20i2...i7 complete kit</b> | 99.431.0000.0 |

**Sample set RST 20i3**  
getting to know

|           |                  |
|-----------|------------------|
| Contents: | 1x X6.030.0153.1 |
|           | 1x X6.031.1053.0 |
|           | 1x X6.031.1053.1 |
|           | 1x X6.032.1053.0 |
|           | 1x X6.032.1053.1 |



| Name                 | Part No.      |
|----------------------|---------------|
| ATEX , IECEx RST20i3 | 99.663.0000.0 |

**Sample set RST 20i5**  
getting to know

|           |                  |
|-----------|------------------|
| Contents: | 1x X6.051.4153.0 |
|           | 1x X6.052.4153.0 |
|           | 1x X6.051.5053.1 |
|           | 1x X6.052.5053.0 |



| Name         | Part No.      |
|--------------|---------------|
| ATEX RST20i5 | 99.664.0000.0 |



# Technical data **RST**<sup>®</sup> CLASSIC

|                 | RST 20i2/i3   | RST 25i3                                    | RST 20i4/i5   | RST 25i5                                    | RST 20i6/i7                                     |
|-----------------|---------------|---|---------------|---|---|
| Rated voltage   | 250/400 V     | 250 V                                       | 250/400 V     | 250/400 V                                   | 250/400 V                                       |
| Rated current   | 20 A          | 25 A<br>32 A<br>(with 6.0 mm <sup>2</sup> ) | 20 A          | 25 A<br>32 A<br>(with 6.0 mm <sup>2</sup> ) | 20 A<br>(3x20 A; 4x5 A)<br>no defining of poles |
| Number of poles | 2- or 3-poles | 3-poles                                     | 4- or 5-poles | 5-poles                                     | 6- or 7-poles                                   |

|                               |   |
|-------------------------------|---|
| <b>Operating temperature:</b> | -40° C to +100° C<br>H05VV cable max 70 °C, H07RN-F max. 60 °C, H07 RN-F enhanced 90 °C   |
| <b>Material:</b>              | Contact parts: brass, surface-treated<br>Housing parts: polyamide, halogen-free, V2<br>Sealing material: NBR  |
| <b>Regulations:</b>           | IEC 61535 (VDE 0606); DIN EN 61984 (VDE 0627); VDE 0110<br>IEC 60999: UL 2238; CSA: C22.2 No.182.2-M1987;<br>LR Type Approval System<br>2 PfG 1915  |
| <b>Pollution severity:</b>    | 3 (when connected)  |
| <b>Degree of protection:</b>  | IP66/68 (3m; 2h)/69, barrier seal optional at RST20i6/7<br>Pre-assembled cable as a shrink hose variant IP66/ 68 (3m; 2h)<br>The installation instructions must be observed (see page with installation instructions)   |
| <b>IK code:</b>               | IK 07 (2 Joule)   |
| <b>Plugging cycles:</b>       | 100x without load and 50x under nominal load ( $\cos \varphi = 0.6$ ) as per IEC 61535<br>RST20i2/3 / RST25i3 provide up to 5,000 plugging cycles and RST20i4/5 / RST25i5 up to 3,000 plugging cycles without load. After approx. 600 plugging cycles, however, the sealing should be checked and, if required, re-lubricated with a suitable lubricant (e.g. Berulub FR 43 UV).  |
| <b>Glow-wire test:</b>        | RST20i2-i5/RST25i3/i5: with 850° C, 30 s<br>RST20i6/i7: with 960° C, 30 s<br>for connectors, distribution units, cable assemblies and device connectors   |
| <b>Coding:</b>                | Mechanical coding symbolized by color code. Color gray and black with the same mechanical coding. Other codings are optional.   |
| <b>Approvals:</b>             | VDE; TÜV Rheinland; LR; GL; DNV; RINA; BV; ATEX; IECEx; cULus; CSA**; UL*<br>(observe conditions of acceptability)<br>* without cable assemblies in shrinkage tube technology and connectors with spring clamp technology<br>** without cable assemblies in shrinkage tube technology<br>You can find the direct assignment of approvals and part numbers in the internet in the eShop under <a href="http://eshop.wieland-electric.com">http://eshop.wieland-electric.com</a> , or consult us. |

**Note:** Protection against shock generally guaranteed even when disconnected. Ground conductor leading. Connection to the live cable must be with a female connector according to the regulations. It is therefore not possible to have a ring circuit arrangement. Only pluggable in the correct pole configuration; 1 pole cannot be connected. Contacts protected against strain on the cable. All components can be interlocked.

A locking device is required for IEC 6153 approval.  
DIN VDE 0606 T200 conformity does not automatically exclude the danger of confusion with third-party installation plug connector systems! Installation plug connector systems are no substitute for national plug/outlet systems for domestic use.  
IEC 60364-5-52 must be observed – see note under "Electrical installations with increased degree of protection".

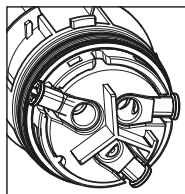
# Wire preparation

## Sheath stripping and insulation removal lengths

### RST 2- /3-pole

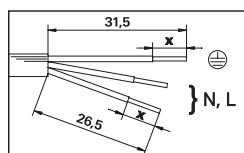
all lengths indicated in mm

#### Screw connection:

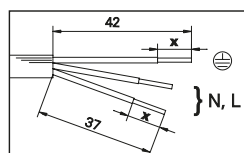


Screwdriver  
PZ1  
Rated torque:  
0.8 – 1.0 Nm

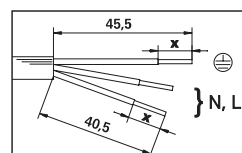
Connector  
6 – 10 mm  
10 – 14 mm



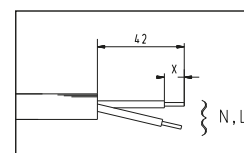
Connector  
13 – 18 mm



Splitter connector, 3-pole  
max. 2 x 2.5 mm<sup>2</sup>



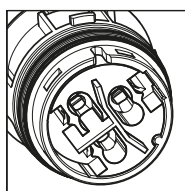
Splitter connector, 2-pole  
max. 2 x 2.5 mm<sup>2</sup>



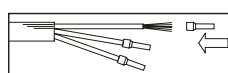
#### Insulation strip length X =

| Conductor cross-section   | 0.75 mm <sup>2</sup> | 1.0 mm <sup>2</sup> | 1.5 mm <sup>2</sup> | 2.5 mm <sup>2</sup> | 4.0 mm <sup>2</sup> | 6.0 mm <sup>2</sup> | AWG 12–18 |
|---------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-----------|
| solid                     | 8                    | 8                   | 8                   | 8                   | 8                   | 8                   | –         |
| fine-stranded             | 8                    | 8                   | 8                   | 8                   | 8                   | 8                   | –         |
| stranded                  | 8                    | 8                   | 8                   | 8                   | 8                   | 8                   | 8         |
| ultrasonically compressed | 8                    | 8                   | 8                   | 8                   | 8                   | 8                   | –         |

#### Spring clamp connection:

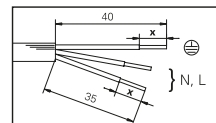


Fine-stranded and stranded wires

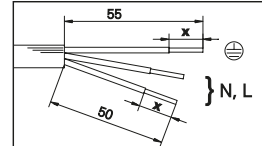


Ferrules required

Connector



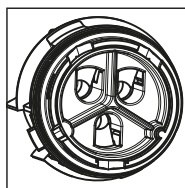
Splitter connector



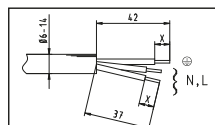
#### Insulation strip length X =

| Conductor cross-section   | 0.5 mm <sup>2</sup> | 0.75 mm <sup>2</sup> | 1.0 mm <sup>2</sup> | 1.5 mm <sup>2</sup> | 2.5 mm <sup>2</sup> |
|---------------------------|---------------------|----------------------|---------------------|---------------------|---------------------|
| solid                     | 14.5 + 1            | 14.5 + 1             | 14.5 + 1            | 14.5 + 1            | 14.5 + 1            |
| fine-stranded             | 12.0 + 1            | 13.0 + 1             | 13.0 + 1            | 13.0 + 1            |                     |
| Ferrules according to DIN | 46228-E0.5-10       | 46228-E0.75-12       | 46228-E1.0-12       | 46228-E1.5-12       |                     |
| stranded                  |                     | 13.0 + 1             | 13.0 + 1            | 13.0 + 1            |                     |
| Ferrules according to DIN |                     | 46228-E0.75-12       | 46228-E1.0-12       | 46228-E1.5-12       |                     |
| ultrasonically compressed | 14.5 + 1            | 14.5 + 1             |                     | 14.5 + 1            | 14.5 + 1            |

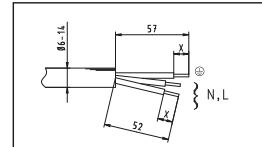
#### Crimp connection:



Connector 6 – 10 mm, 10 – 14 mm



Connector 13 – 18 mm



#### Insulation strip length X =

| Conductor cross-section | 0,75 mm <sup>2</sup> | 1,0 mm <sup>2</sup> | 1,5 mm <sup>2</sup> | 2,5 mm <sup>2</sup> | 4,0 mm <sup>2</sup> |
|-------------------------|----------------------|---------------------|---------------------|---------------------|---------------------|
| fine-stranded           | 8.0 + 1              | 8.0 + 1             | 8.0 + 1             | 8.0 + 1             | 8.0 + 1             |

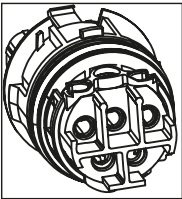
# Wire preparation

## Sheath stripping and insulation removal lengths

### RST 4 /5-pole

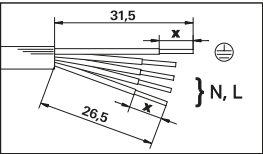
all lengths indicated in mm

**Screw connection:**

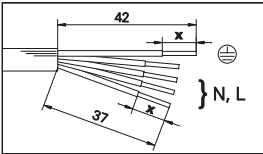


Screwdriver  
PZ1  
Rated torque:  
0.5 – 0.7 Nm

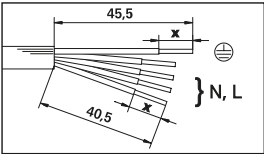
Connector  
6 – 10 mm  
10 – 14 mm



Connector  
13 – 18 mm



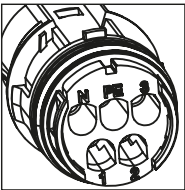
Splitter connector  
max. 2 x 1.5 mm²



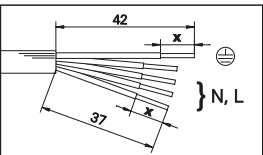
**Insulation strip length X =**

| Conductor cross-section   | 0.75 mm² | 1.0 mm² | 1.5 mm² | 2.5 mm² | 4.0 mm² | 6.0 mm² | AWG 12–18 |
|---------------------------|----------|---------|---------|---------|---------|---------|-----------|
| solid                     | 8        | 8       | 8       | 8       | 8       | 8       | –         |
| fine-stranded             | 8        | 8       | 8       | 8       | 8       | 8       | –         |
| stranded                  | 8        | 8       | 8       | 8       | 8       | 8       | 8         |
| ultrasonically compressed | 8        | 8       | 8       | 8       | 8       | 8       | –         |

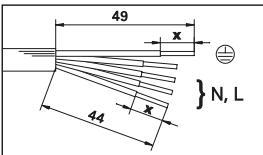
**Crimp connection:**



Connector  
6 – 10 mm  
10 – 14 mm



Connector  
13 – 18 mm



**Insulation strip length X =**

| Conductor cross-section | 0,75 mm² | 1,0 mm² | 1,5 mm² | 2,5 mm² | 4,0 mm² |
|-------------------------|----------|---------|---------|---------|---------|
| fine-stranded           | 7.0 + 1  | 7.0 + 1 | 7.0 + 1 | 7.0 + 1 | 7.0 + 1 |

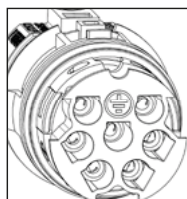
# Wire preparation

## Sheath stripping and insulation removal lengths

### RST 6 /7-pole

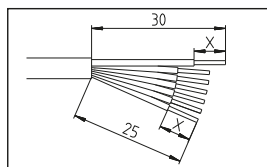
all lengths indicated in mm

#### Screw connection:

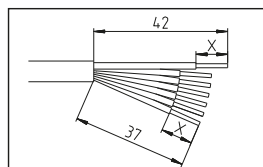


Screwdriver  
PZ1  
Rated torque:  
0.5 – 0.7 Nm

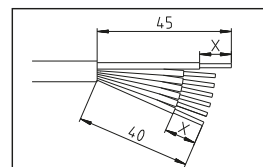
Connector  
6 – 10 mm  
10 – 14 mm



Connector  
13 – 18 mm



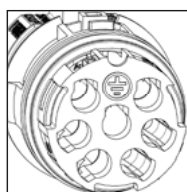
Splitter connector  
max. 2 x 1.5 mm<sup>2</sup>



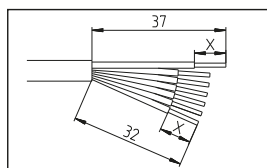
#### Insulation strip length X =

| Conductor cross-section | 0.2 mm <sup>2</sup> | 0.5 mm <sup>2</sup> | 0.75 mm <sup>2</sup> | 1.0 mm <sup>2</sup> | 1.5 mm <sup>2</sup> | 2.5 mm <sup>2</sup> | AWG 14–20 |
|-------------------------|---------------------|---------------------|----------------------|---------------------|---------------------|---------------------|-----------|
| solid                   | 8 *                 | 8 *                 | 8 *                  | 8 *                 | 8 *                 | 8 **                | 8 *       |
| fine-stranded           | 8 *                 | 8 *                 | 8 *                  | 8 *                 | 8 *                 | 8 **                | 8 **      |

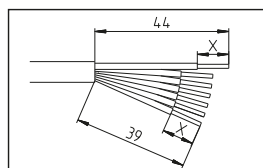
#### Crimp connection:



Connector  
6 – 10 mm  
10 – 14 mm



Connector  
13 – 18 mm



#### Insulation strip length X =

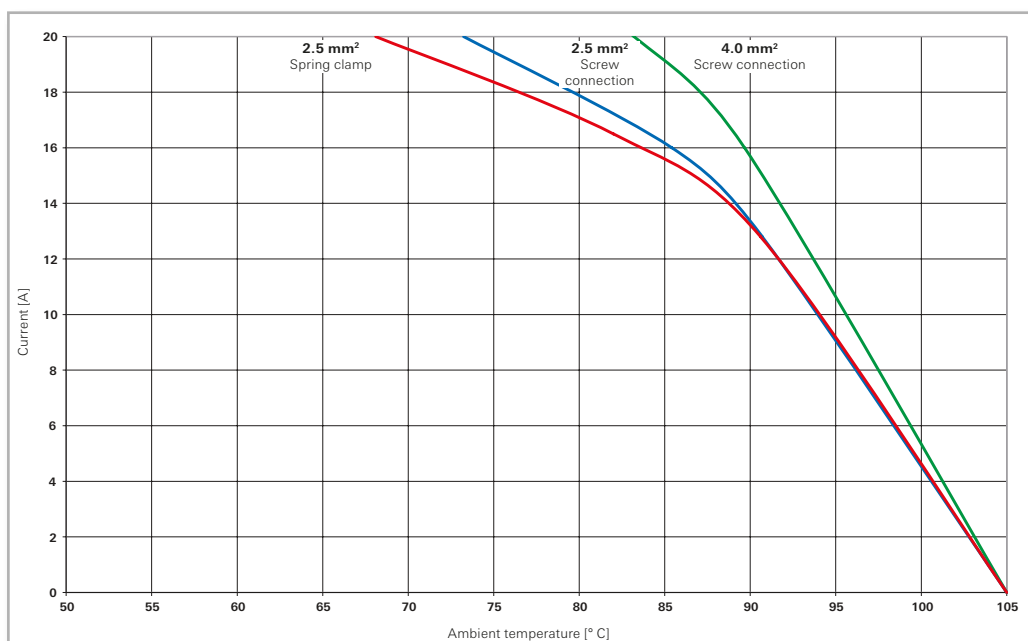
| Conductor cross-section | 0.75 mm <sup>2</sup> | 1.0 mm <sup>2</sup> | 1.5 mm <sup>2</sup> | 2.5 mm <sup>2</sup> | AWG 14-20 |
|-------------------------|----------------------|---------------------|---------------------|---------------------|-----------|
| fine-stranded           | 7.0 + 1              | 7.0 + 1             | 7.0 + 1             | 7.0 + 1             | 7.0 + 1   |

## Derating curves

### RST 20i3

Screw connection – spring clamp connection

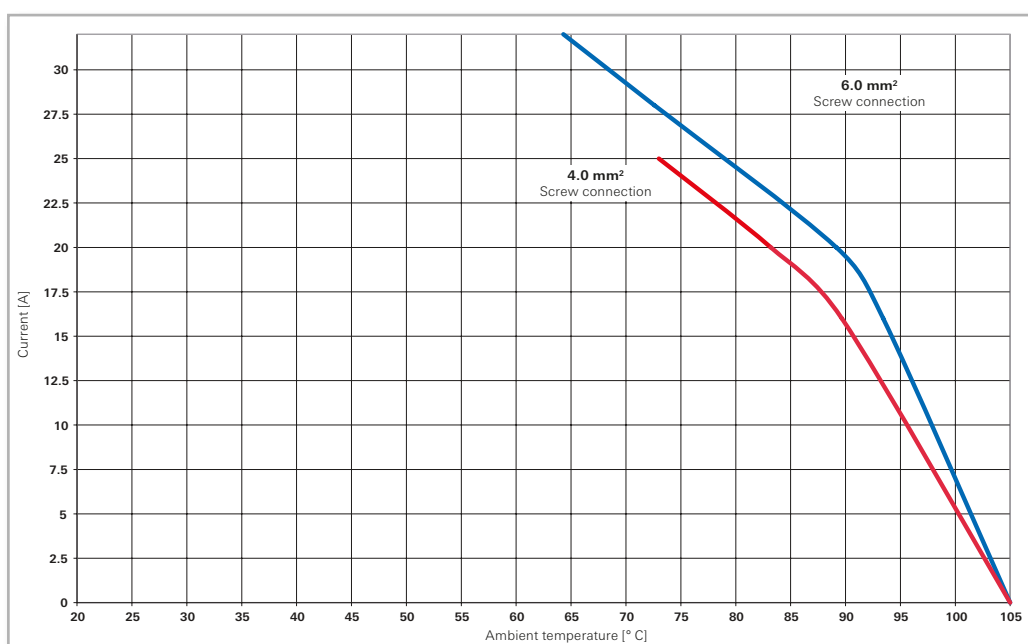
Derating curve according to IEC 61984 Edition 2 dated 10/2008 paragraph 7.3.8



### RST 25i3

Screw connection

Derating curve according to IEC 61984 Edition 2 dated 10/2008 paragraph 7.3.8



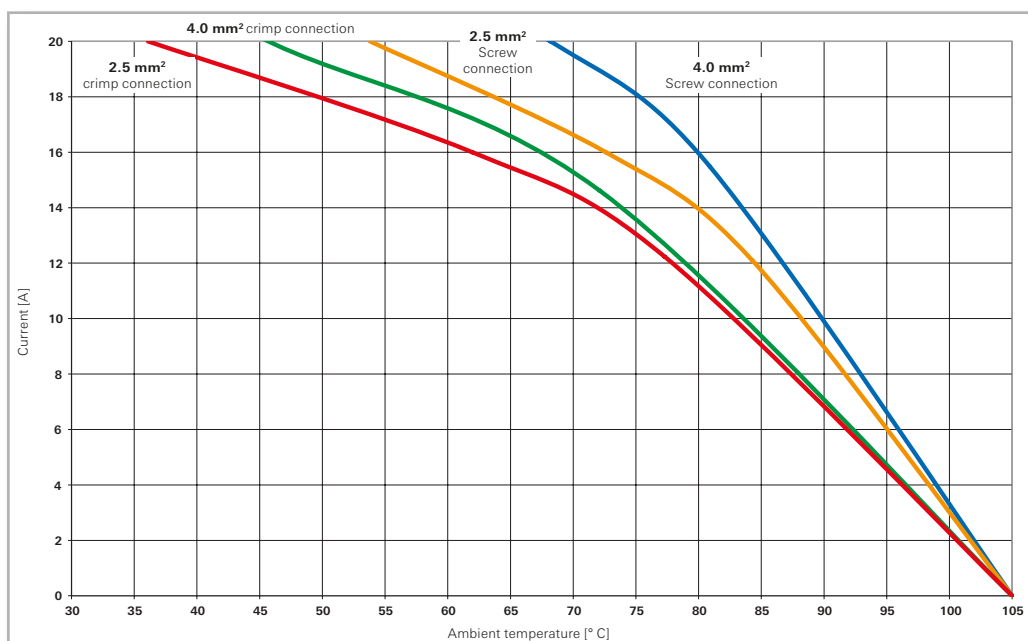


# Derating curves

## RST 20i5

Screw connection – crimp connection

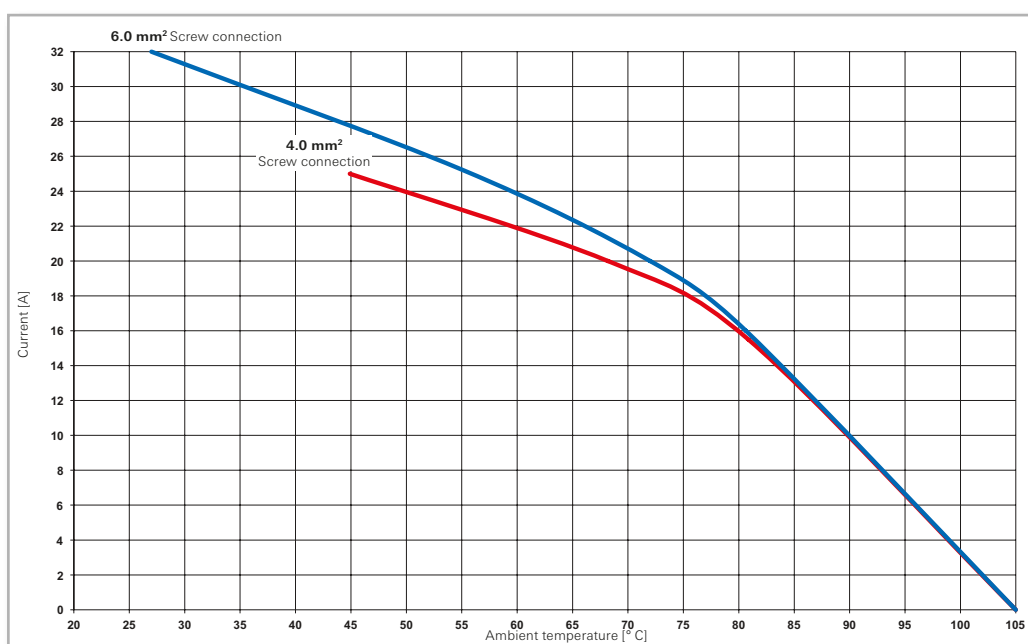
Derating curve according to IEC 61984 Edition 2 dated 10/2008 paragraph 7.3.8



## RST 25i5

Screw connection

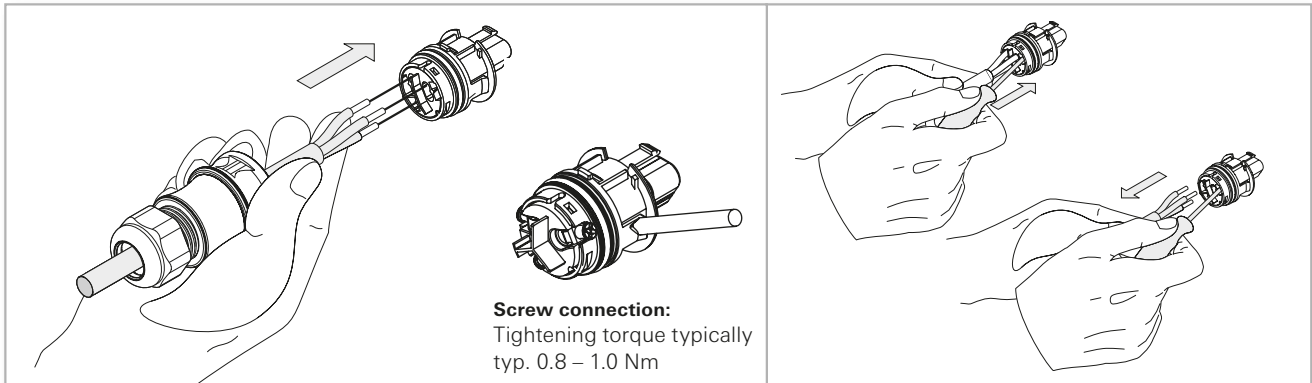
Derating curve according to IEC 61984 Edition 2 dated 10/2008 paragraph 7.3.8



## Connectors 2- and 3-pole

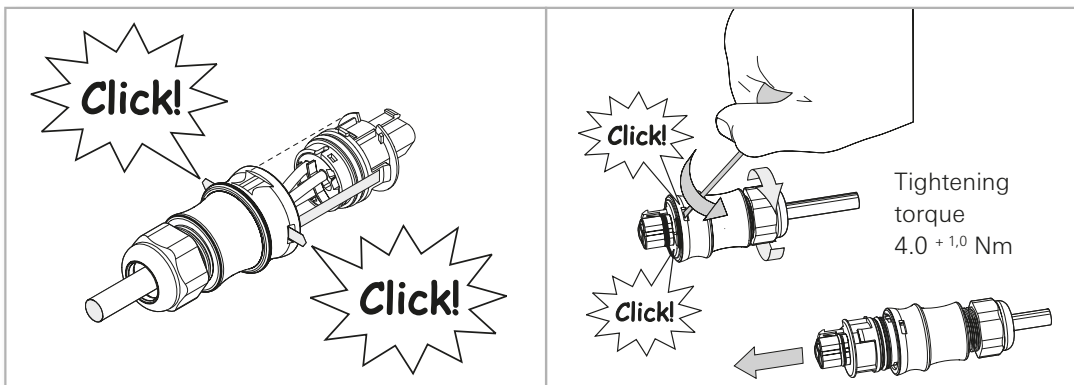
Connect the wires (screw connection) ...

... and disconnect them (crimp connection)



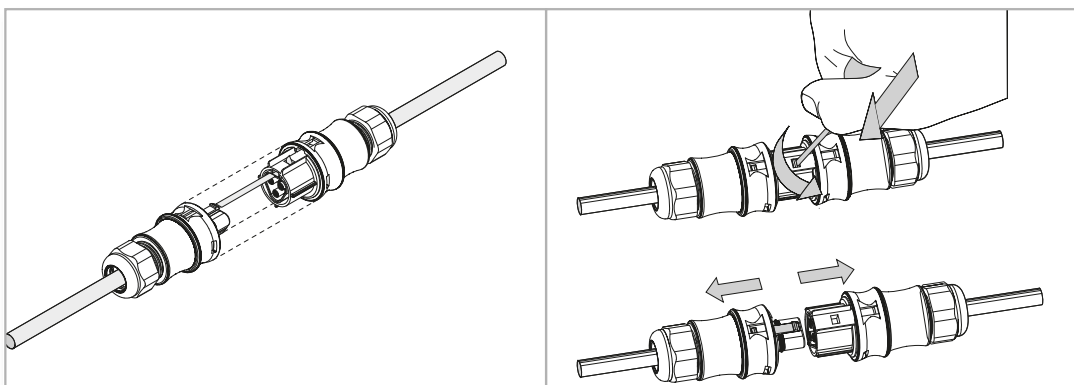
Close the connector ...

... and open it

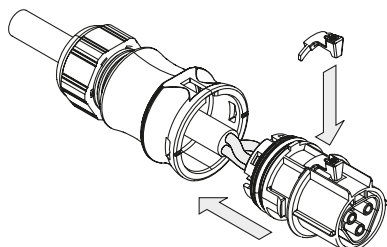


Lock the housing ...

... and unlock it



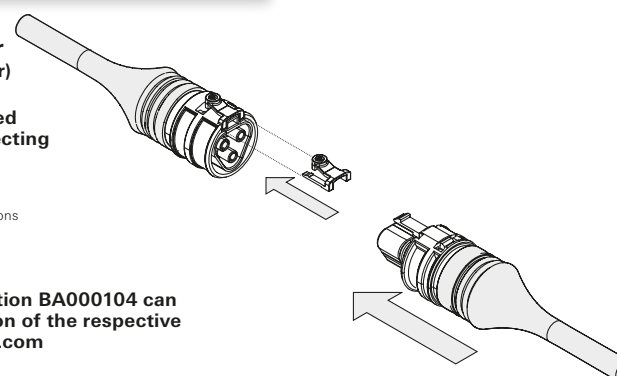
How to insert the (optional) manual disconnect tool into the connector  
(only possible for the female connector)



The manual disconnect tool can be used as an alternative and enables disconnecting without a tool.

The descriptions on this page merely serve as an overview.  
For assembly and installation, only the installation instructions supplied together with the products are binding

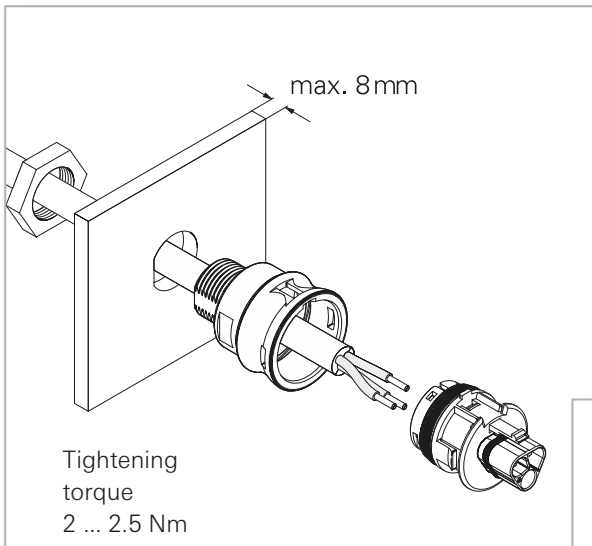
The corresponding installation instruction BA000104 can be found online in the download section of the respective product under: [eshop.wieland-electric.com](http://eshop.wieland-electric.com)



## Device connections 2- and 3-pole

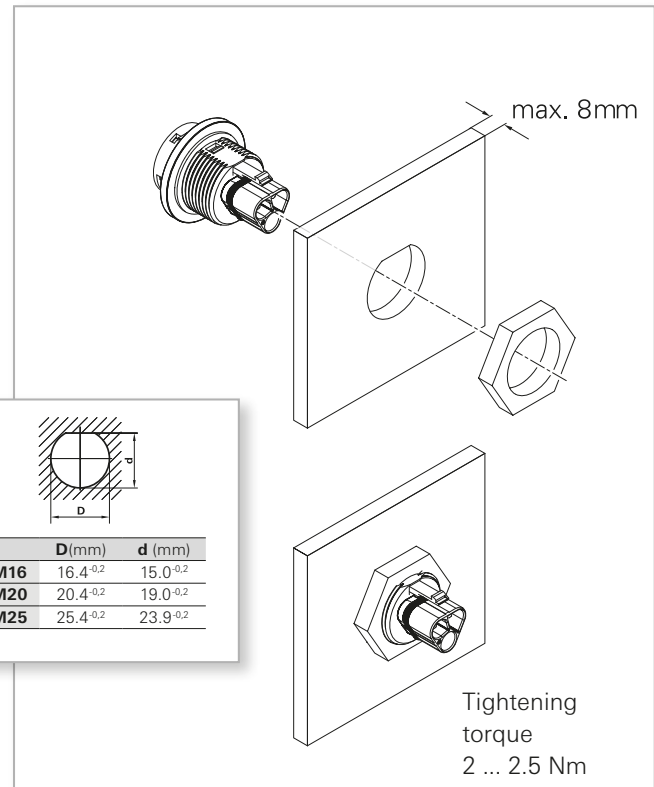
Installation of a standard system,  
for M16 and M20 feed-through

Dimensions in mm



Installation of a standard system,  
for M25 feed-through

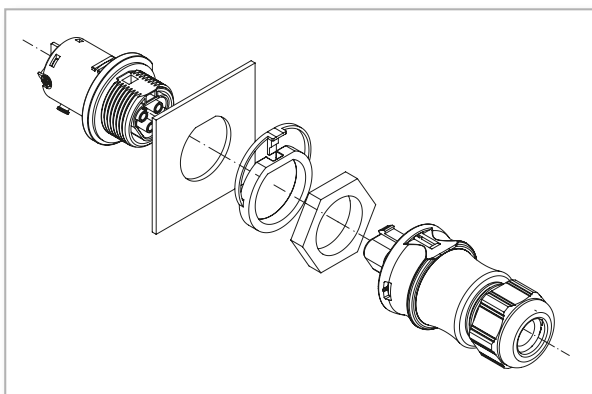
Dimensions in mm



|     | D(mm)                | d (mm)               |
|-----|----------------------|----------------------|
| M16 | 16.4 <sup>+0.2</sup> | 15.0 <sup>+0.2</sup> |
| M20 | 20.4 <sup>+0.2</sup> | 19.0 <sup>+0.2</sup> |
| M25 | 25.4 <sup>+0.2</sup> | 23.9 <sup>+0.2</sup> |

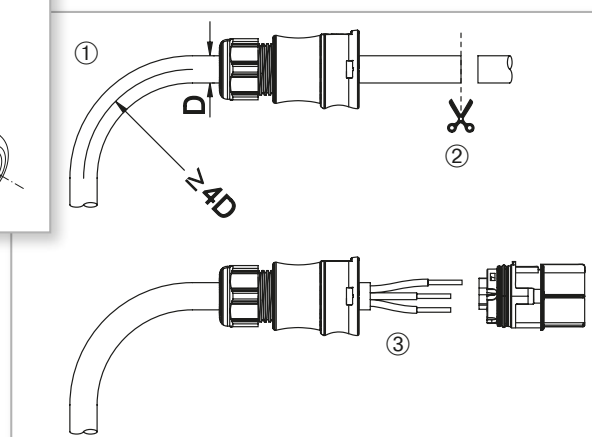
### Note:

Effectiveness of the protection against twisting can only be guaranteed when the lower tolerance limit is ensured for the diameter of the hole.



### Bending radius (for conductors)

Note the minimum bending radius for conductors > 2.5 mm<sup>2</sup>. Pull forces on the contact points can be avoided by proceeding as follows::



**Bend the wire as required**

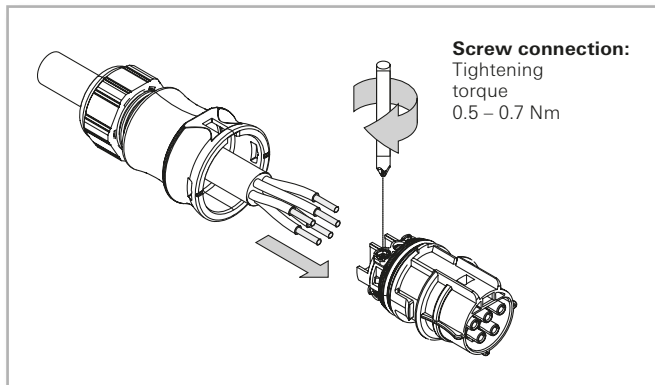
**Cut the wire to length ②**

**Strip the cable and wires ③**

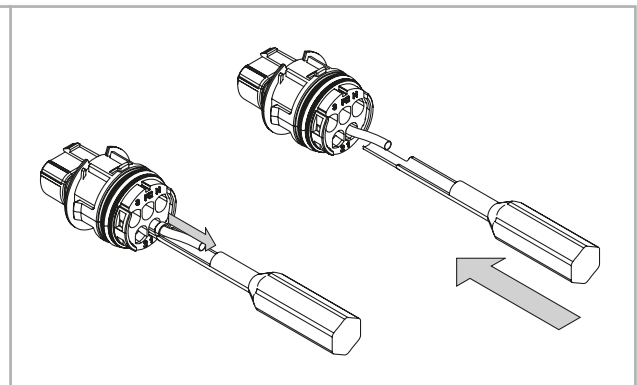
The corresponding installation instruction BA000104 can be found online in the download section of the respective product under: [eshop.wieland-electric.com](http://eshop.wieland-electric.com)

## Connectors 4- and 5-pole

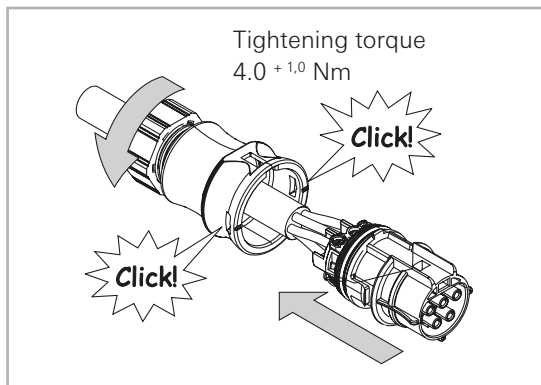
Connect the wires (screw connection) ...



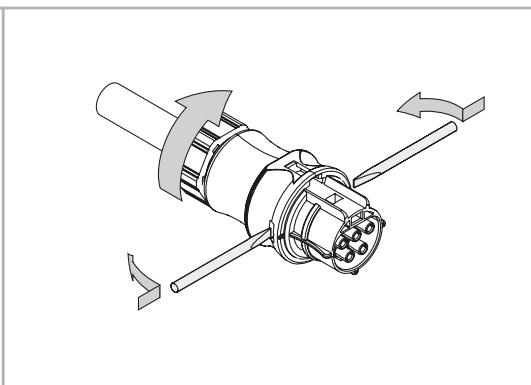
... and disconnect them (crimp connections)



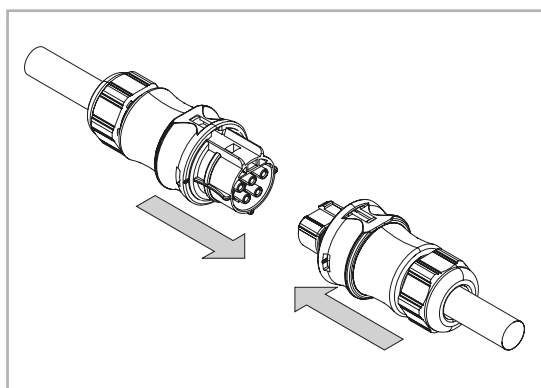
Close the connector ...



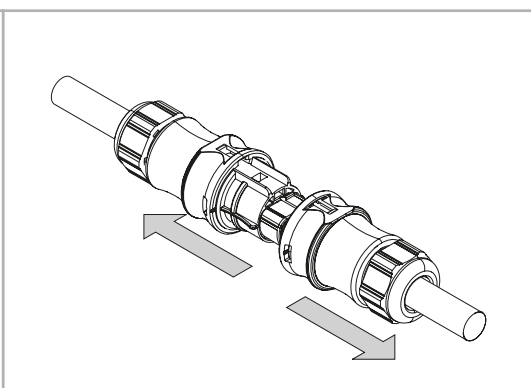
... and open it



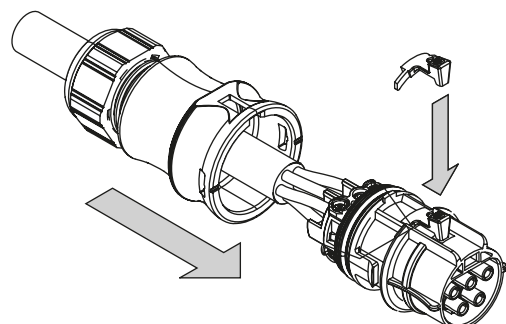
Lock the housing ...



... and unlock it



**How to insert the (optional) manual disconnect tool into the connector**  
(only possible for the female connector)



The manual disconnect tool can be used  
as an alternative and enables disconnecting  
without a tool.

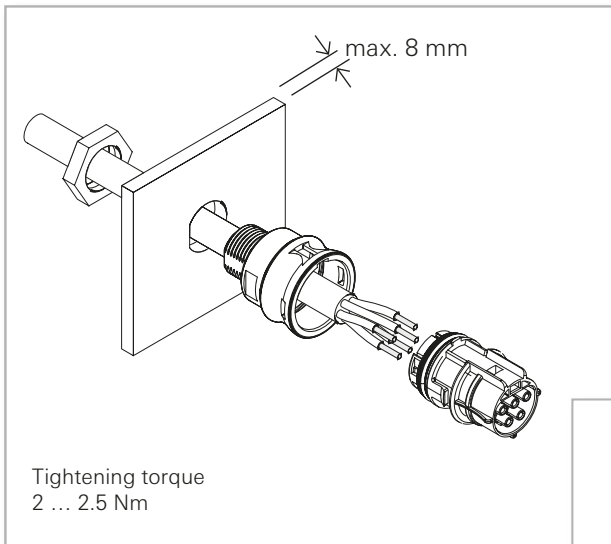
The descriptions on this page merely serve as an overview.  
For assembly and installation, only the installation instructions  
supplied together with the products are binding

The corresponding installation instruction BA000104 can  
be found online in the download section of the respective  
product under: [eshop.wieland-electric.com](http://eshop.wieland-electric.com)

## Device connections 4- and 5-pole

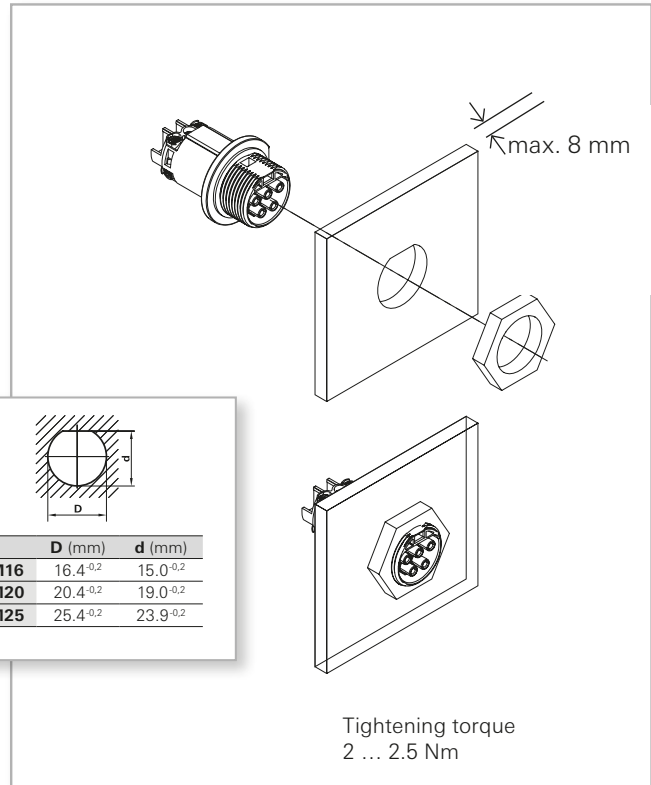
Installation of a standard system,  
for M16 and M20 feed-through

Dimensions in mm



Installation of a standard system,  
for M25 feed-through

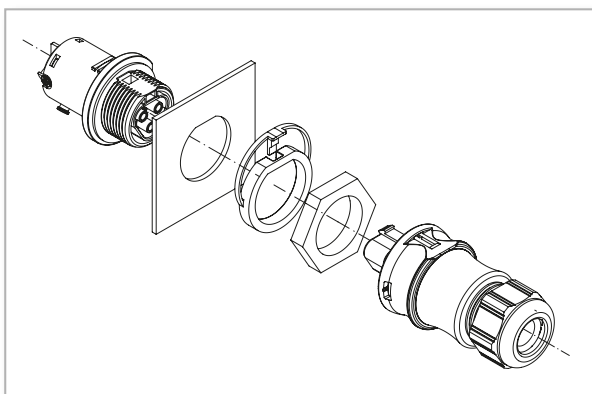
Dimensions in mm



|     | D (mm)               | d (mm)               |
|-----|----------------------|----------------------|
| M16 | 16.4 <sup>+0.2</sup> | 15.0 <sup>+0.2</sup> |
| M20 | 20.4 <sup>+0.2</sup> | 19.0 <sup>+0.2</sup> |
| M25 | 25.4 <sup>+0.2</sup> | 23.9 <sup>+0.2</sup> |

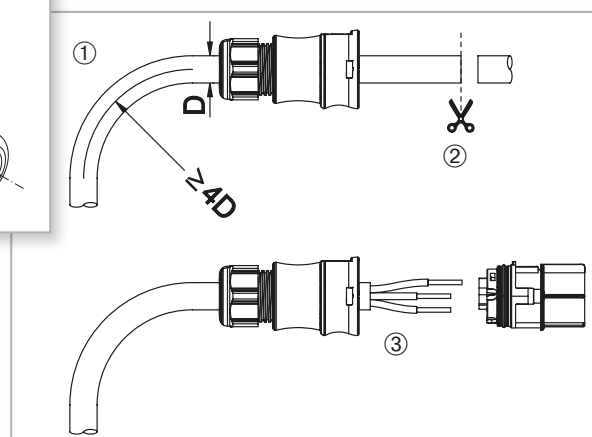
### Note:

Effectiveness of the protection against twisting can only be guaranteed when the lower tolerance limit is ensured for the diameter of the hole.



### Bending radius (for conductors)

Note the minimum bending radius for conductors > 2.5 mm<sup>2</sup>. Pull forces on the contact points can be avoided by proceeding as follows::



**Bend the wire as required**

**Cut the wire to length ②**

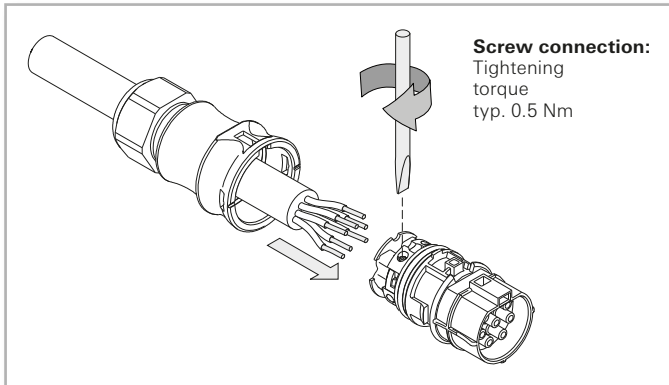
**Strip the cable and wires ③**

The corresponding installation instruction BA000104 can be found online in the download section of the respective product under: [eshop.wieland-electric.com](http://eshop.wieland-electric.com)

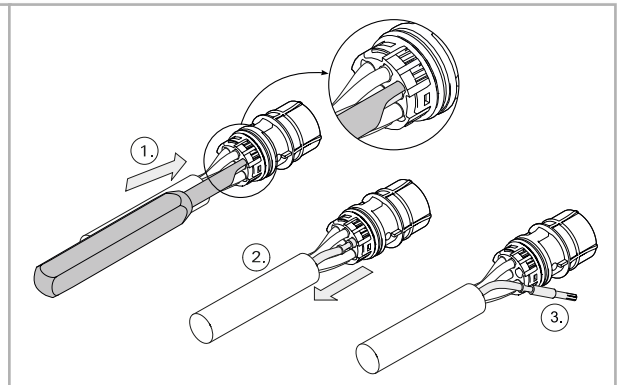


## Connectors 6- and 7-pole

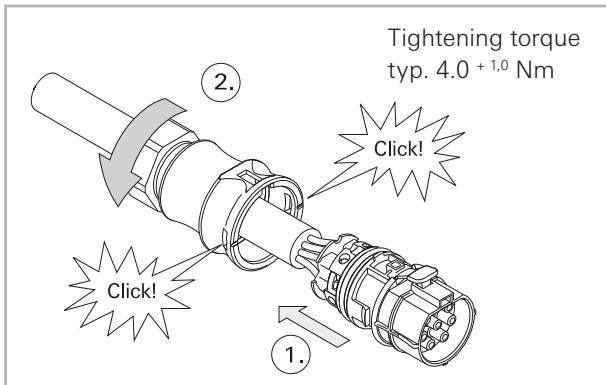
Connect the wires (screw connection) ...



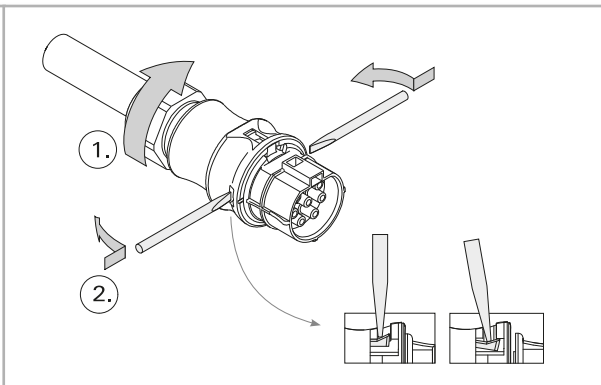
... and disconnect them (crimp connections)



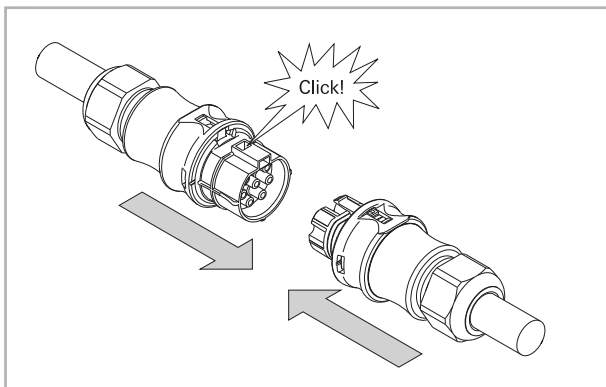
Close the connector ...



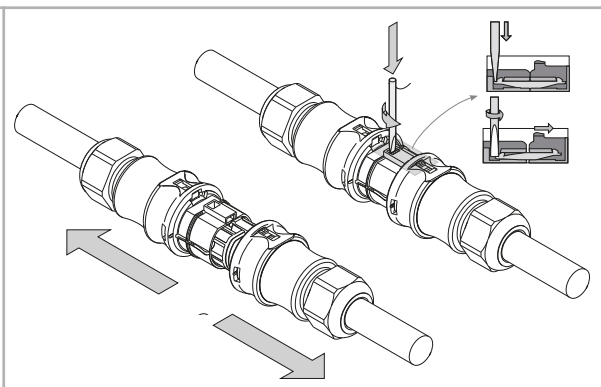
... and open it



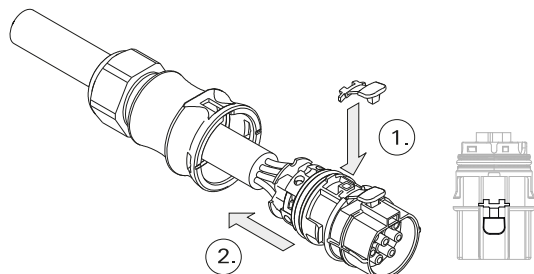
Plugging and locking



Unlocking and separating



**How to insert the (optional) manual disconnect tool into the connector**  
(only possible for the female connector)



The manual disconnect tool can be used as an alternative and enables disconnecting without a tool.

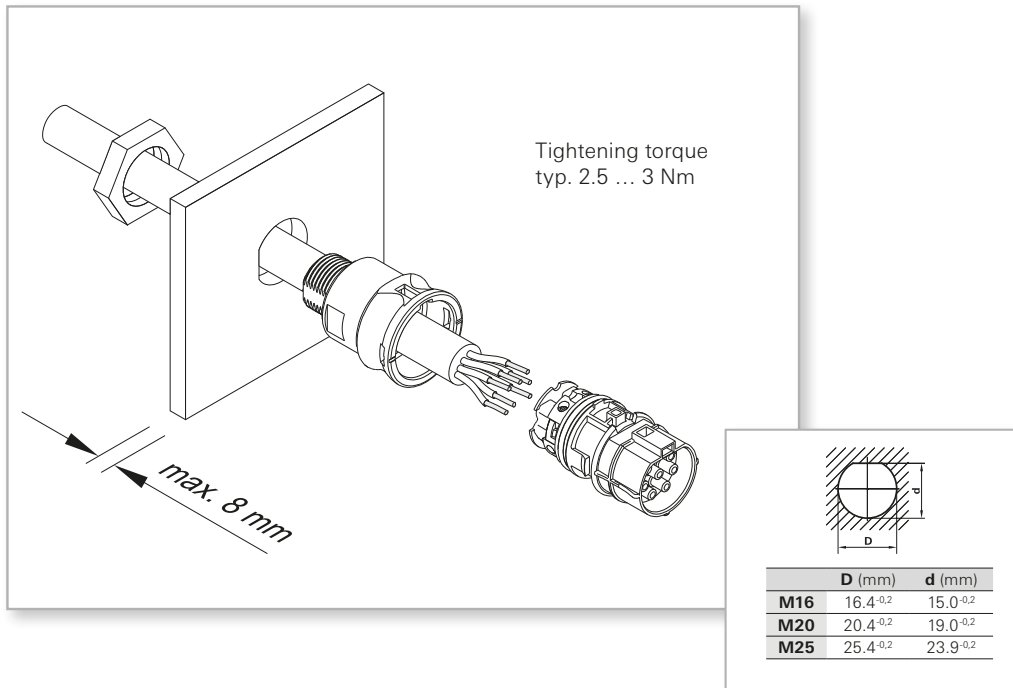
The descriptions on this page merely serve as an overview.  
For assembly and installation, only the installation instructions supplied together with the products are binding

The corresponding installation instructions BA001155 and BA001156 can be found online in the download section of the respective product under: [eshop.wieland-electric.com](http://eshop.wieland-electric.com)

# Device connections 6- and 7-pole

Housing installation with  
M16, M20 and M25 feed-through

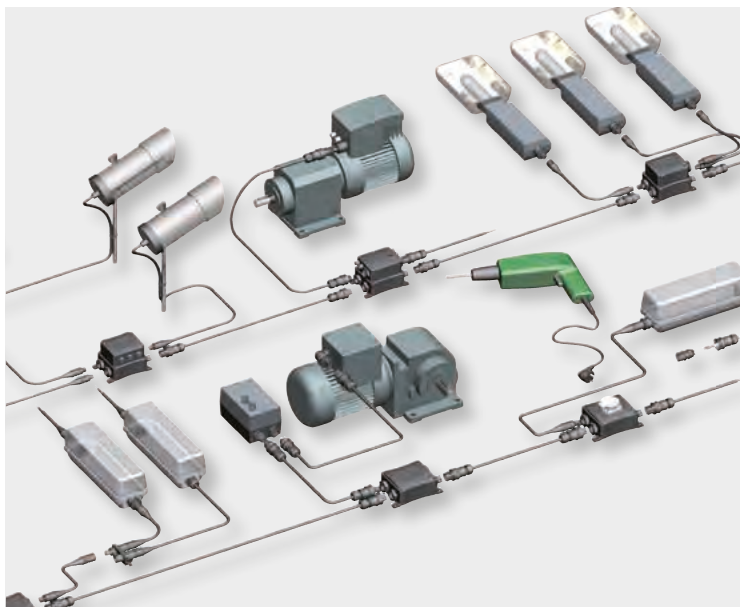
Dimensions in mm





## Compact and multi-distribution units for use in rough environments

### Application example



### General

The pluggable distribution units play a major role in power distribution. In their simplest function, they merely have to provide branches in the required locations. Practice shows, however, that the requirements may be much more complex.

Examples can be found in AC and DC wiring through distribution units with microfuses up to boxes with integrated safety outlets or switches.





## Compact and multi-distribution units

### Flexibility according to the modular **RST®** principle

#### The highest level of flexibility!

Two housing variations are the basis: a flat design with up to four slots, and a high design with a total of up to eight slots. Unused slots are closed at the factory.































The distribution units are equipped individually with suitable device connectors. These connectors are available in various pole configurations, with mechanical

coding and designs; they are wired to customer's requirements.

#### Overview of the standard components:

Depending on the application, you can choose among 30 codings from the range of **RST®** CLASSIC and **RST®** MINI. Mechanically coded means that only the matching male and female connectors can

be plugged together. Thus you can be sure that your different applications are clearly distinguished – without having to rework incorrect connections. The connector colors signal the matching connections. The standard power coding is an exception. Here you can select between black and gray. These are compatible with one another.

| RST16i2   | RST16i3   | RST16i4   | RST16i5   | RST20i2   | RST20i3  | RST20i4  | RST20i5   | RST25i3  |
|---|---|---|---|---|--|--|---|--|
| <br>250V<br>black or<br>light gray<br>L, N | <br>250V<br>black or<br>light gray<br>L, N, PE | <br>250/400V<br>black or<br>light gray<br>1, 2, 3, N, PE | <br>250/400V<br>black or<br>light gray<br>1, 2, 3, N, PE | <br>250V<br>black or<br>light gray<br>L, N | <br>250V<br>black or<br>light gray<br>L, N, PE | <br>250/400V<br>black or<br>light gray<br>PE, 1, 2, 3 | <br>250/400V<br>black or<br>light gray<br>PE, N, 3, 2, 1 | <br>250V<br>concrete gray<br>L, N, PE |
| <br>250/400V<br>light blue<br>1, 2         | <br>250/400V<br>leaf green<br>1, 2, PE         |   | <br>250V<br>turquoise<br>L, N, PE, 1, 2                  | <br>250/400V<br>pebble gray<br>+, -        | <br>250/400V<br>leaf green<br>1, 2, PE         |  | <br>250V<br>turquoise<br>L, N, PE, D1, D2                |  |
| <br>250/400V<br>turquoise<br>D1, D2        | <br>250/400V<br>light blue<br>1, 2, 3          | <br>~50/-120V<br>signal brown<br>1, 2, 3, 4              | <br>250/400V<br>light blue<br>1, 2, 3, 4, 5              |   | <br>250/400V<br>light blue<br>1, 2, 3          | <br>~50/-120V<br>signal brown<br>1, 2, 3, 4           | <br>250/400V<br>light blue<br>1, 2, 3, 4, 5              |  |
| <br>~50/-120V<br>signal brown<br>1, 2      | <br>250/400V<br>turquoise<br>D1, D2, PE        |   | <br>~50/-120V<br>signal brown<br>1, 2, 3, 4, 5           | <br>~50/-120V<br>signal brown<br>1, 2      | <br>~50/-120V<br>signal brown<br>1, 2, PE      |  | <br>250/400V<br>yellow<br>N, E, 1, 2, 3                  |  |
|   | <br>~50/-120V<br>signal brown<br>1, 2, 3       |   |   |   |  |  | <br>~50/-120V<br>signal brown<br>1, 2, 3, 4, 5           |  |



#### RST25i5

  
250/400V  
concrete gray  
L, N, PE, 1, 2

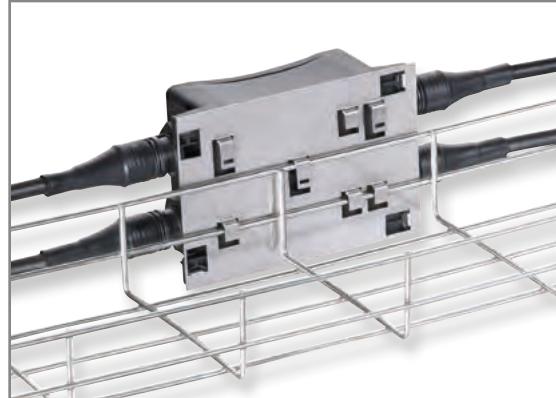




## Mounting

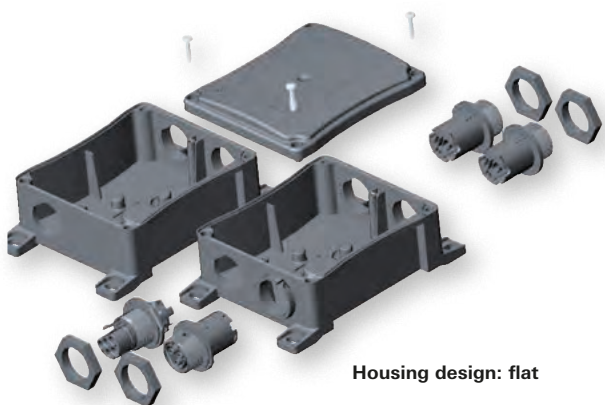
Four fixing clips on the outside ensure easy installation and safe fixation.

At the bottom, there are extra fixing holes for attachment of a special mounting plate.

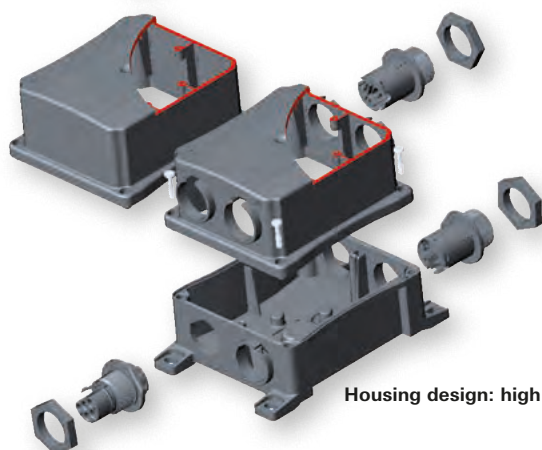


## Unlocking

All pluggable connections are protected against accidental loosening. This is guaranteed by a locking facility integrated during production. On plug-in, the locking facility latches with an audible click. The connection is released using a screwdriver.



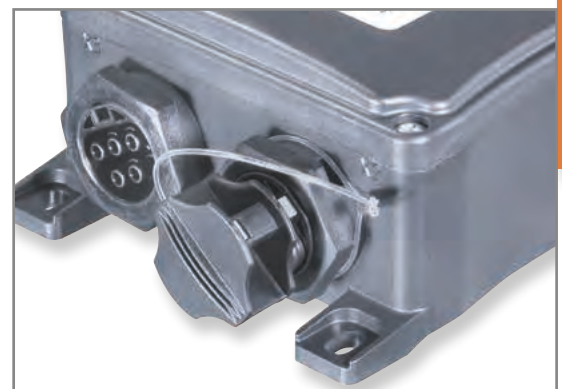
Housing design: flat



Housing design: high

## Cover pieces

Cover pieces are required for safely covering unused outputs. These are available either with or without protection against loss.



## Circuit diagram

A circuit diagram on the housing cover provides information about the internal wiring. The outputs are numbered from X1 to X8.



## Compact distribution units with max. 4 slots

### RST compact distribution unit

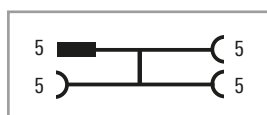
Dimensions (W x L x H) 104 x 162 x 57.2 mm  
Number of poles 5-pole

routing 3 outputs 230/400V, 20A  
Pre-wired with  
Mounting option

RST 20i5 coding Color black  
2.5 mm<sup>2</sup>  
Yes



Circuit diagram



| Color | Input | Outputs | Part No.      |
|-------|-------|---------|---------------|
| gray  | 1     | 3       | upon request  |
| black | 1     | 3       | 96.050.0153.1 |

### RST compact distribution unit

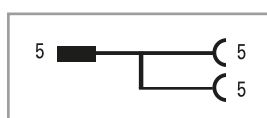
Dimensions (W x L x H) 104 x 162 x 57.2 mm  
Number of poles 5-pole

routing 2 outputs 230/400V, 20A  
Pre-wired with  
Mounting option

RST 20i5 Coding Color black  
2.5 mm<sup>2</sup>  
Yes



Circuit diagram



| Color | Input | Outputs | Part No.      |
|-------|-------|---------|---------------|
| gray  | 1     | 2       | upon request  |
| black | 1     | 2       | 96.050.1153.1 |

### RST compact distribution unit

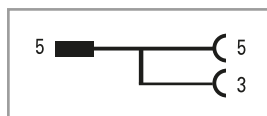
Dimensions (W x L x H) 104 x 162 x 57.2 mm  
Number of poles 5-/3-pole

routing 1 output 230/400V, 20A  
1 output 230V, 20A  
Pre-wired with  
Mounting option

RST 20i5 coding Color black  
RST 20i3 coding Color black  
2.5 mm<sup>2</sup>  
Yes



Circuit diagram



| Color | Pole marking | Input | Outputs | Part No.      |
|-------|--------------|-------|---------|---------------|
| gray  |              | 1     | 2       | upon request  |
| black | L1           | 1     | 2       | 96.050.3153.1 |
| black | L2           | 1     | 2       | 96.050.4153.1 |
| black | L3           | 1     | 2       | 96.050.5153.1 |

### RST compact distribution unit

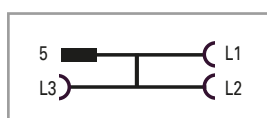
Dimensions (W x L x H) 104 x 162 x 57.2 mm  
Number of poles 5-/3-pole

1 input 230/400V, 20A  
3 outputs 230V, 20A  
Pre-wired with  
Mounting option

RST 20i5 coding Color black  
RST 20i3 coding Color black  
2.5 mm<sup>2</sup>  
Yes



Circuit diagram



| Color | Pole marking | Input | Outputs | Part No.      |
|-------|--------------|-------|---------|---------------|
| gray  |              | 1     | 3       | Upon request  |
| black | L1, L2, L3   | 1     | 3       | 96.050.6153.1 |

AS-i distribution unit

|                             |                     |                         |                             |
|-----------------------------|---------------------|-------------------------|-----------------------------|
| Distribution box AS-i / 24V |                     | 3 outputs 230/400V, 20A | RST 20i4 coding Color brown |
| Dimensions (W x L x H)      | 104 x 162 x 57.2 mm | Pre-wired with          | 2.5 mm <sup>2</sup>         |
| Number of poles             | 4-pole              | Mounting option         | Yes                         |



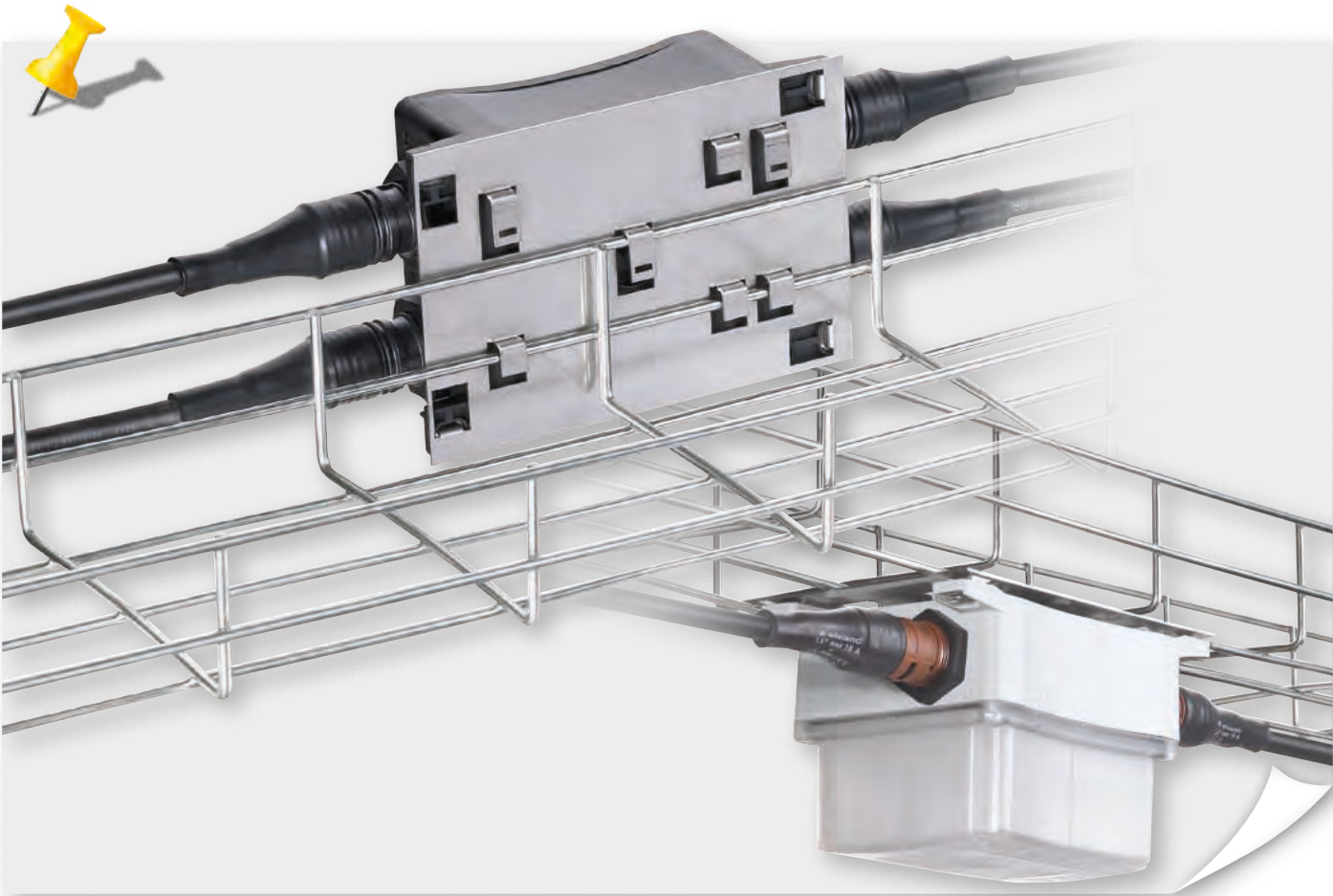
Circuit diagram



| Color | Input | Outputs | Part No.      |
|-------|-------|---------|---------------|
| gray  | 1     | 3       | upon request  |
| black | 1     | 3       | 96.040.0151.4 |

|  |                        |                    |
|--|------------------------|--------------------|
| Mounting plate for example to fit on the mesh cable tray<br>(see illustration below) | Dimensions (W x L x H) | 105 x 154 x 4.5 mm |
|  | Mounting option        | Yes                |

Part No.  
G0.500.2041.5



Compact/multi-  
distribution units



## Multi-distribution units with max. 8 slots

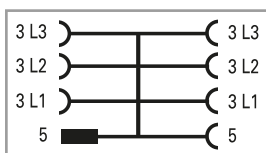
### Multi-distribution unit 5-/3-pole, 11/70, 2x L1, L2, L3

Dimensions (W x L x H)  
routing outputs 230/400V, 20A  
outputs 230V, 20A

104 x 162 x 96 mm  
1, RST 20i5 coding black  
6, RST 20i3 coding black



Circuit diagram



| Color | Input | Outputs | Part No.      |
|-------|-------|---------|---------------|
| gray  | 1     | 7       | upon request  |
| black | 1     | 7       | 96.050.7153.1 |

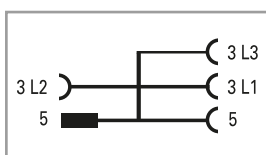
### Multi-distribution unit 5-/3-pole, 11/30, L1, L2, L3

Dimensions (W x L x H)  
routing outputs 230/400V, 20A  
outputs 230V, 20A

104 x 162 x 96 mm  
1, RST 20i5 coding black  
3, RST 20i3 coding black



Circuit diagram



| Color | Input | Outputs | Part No.      |
|-------|-------|---------|---------------|
| gray  | 1     | 4       | upon request  |
| black | 1     | 4       | 99.902.0000.7 |

### Multi-distribution unit 5-/3-pole, 11/30, L1, L2, L3

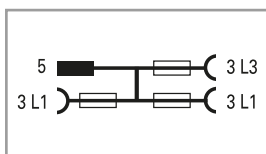
Dimensions (W x L x H) 104 x 162 x 96 mm  
Protection type IP 65, 66, 67

input 230/400V, 20A  
outputs 230 V, with 3 integrated microfuse holders up to 10 A  
including microfuse

1, RST 20i5 coding black  
3, RST 20i3 coding black  
10A, 5 x 20 mm



Circuit diagram



| Color | Input | Outputs | Part No.      |
|-------|-------|---------|---------------|
| gray  | 1     | 3       | upon request  |
| black | 1     | 3       | 99.901.0000.7 |

### Distribution box Power and AS-i / 24 V

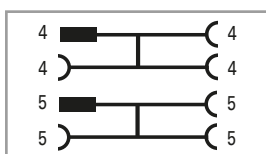
Dimensions (W x L x H) 104 x 162 x 96 mm

Input power 230/400V, 20A  
Outputs power 230/400V, 20A  
input AS-i/24V, 20A  
outputs AS-i/24V, 20A

1  
3, RST 20i5 coding black  
1  
3, RST 20i4 coding brown



Circuit diagram



| Color | Input | Outputs | Part No.      |
|-------|-------|---------|---------------|
| black | 1     | 3       | 99.903.0000.7 |





## Multi-distribution units, radio, halogen technology, LED technology

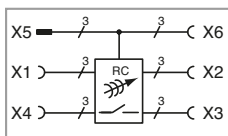
### Switching output unit EnOcean 4-fold

|                  |  |
|------------------|--|
| Power In-/Output | 230V AC / 20A connectors RST 20i3 coding black |
| Outputs          | 4  |
| Connection type  | connector RST20i3, coding black                |

|                                  |   |
|----------------------------------|---|
| Rated voltage                    | 230 V AC  |
| Switching capacity               | 6A (max. two of the LED/LV halogen modules given below) |
| Protection type                  | IP 65, 66, 67, 68 (3m; 2h)                              |
| Dimensions (length/width/height) | 104/162/96 mm   |
| Mounting option                  | 4 elongated holes                                       |



Circuit diagram



| Type              | Name                                   | Part No.      |
|-------------------|--|---------------|
| <b>RC RST-0/4</b> | 4 relay outputs, 1 feed-through wiring | 83.020.0505.0 |

The EnOcean 4-fold switching output unit in IP68 surface housing for outdoor use features four 230V relays. They can be programmed for 30 push button pairs. All electrical connections are pluggable.

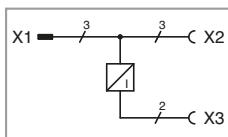
### Constant power supply unit, 350 mA DC

|                                 |   |
|---------------------------------|---|
| Power input (male connector)    | 230V AC/20A RST 20i3 coding black       |
| Power output (female connector) | 230V AC/20A RST 20i3 coding black       |
| Output LED (female connector)   | 350mA DC/max. 12W RST 20i2 coding brown |

|                                  |                                |
|----------------------------------|--------------------------------|
| Protection type                  | IP 65, 66, 67, 68 (3m; 2h), 69 |
| Ambient temperature              | -25 °C up to +55 °C            |
| Dimensions (length/width/height) | 104/162/96 mm                  |
| Mounting option                  | 4 elongated holes              |
| Electrical connections           | pluggable with RST 20i2...20i3 |



Circuit diagram



| Type                      | Part No.      |
|---------------------------|---------------|
| <b>RST PSI 350/12 LED</b> | 83.020.0902.0 |

Constant power supply unit 350 mA for connecting LEDs. Connections not used have to be closed.

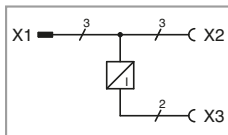
### Constant power supply unit, 700 mA DC

|                                 |  |
|---------------------------------|--|
| Power input (male connector)    | 230V AC/20A, RST 20i3 coding black       |
| Power output (female connector) | 230V AC/20A RST 20i3, coding black       |
| Output LED (female connector)   | 700mA DC/max. 12W, RST 20i2 coding brown |

|                                  |                                |
|----------------------------------|--------------------------------|
| Protection type                  | IP 65, 66, 67, 68 (3m; 2h), 69 |
| Ambient temperature              | -25 °C up to +55 °C            |
| Dimensions (length/width/height) | 104/162/96 mm                  |
| Mounting option                  | 4 elongated holes              |
| Electrical connections           | pluggable with RST 20i2...20i3 |



Circuit diagram



| Type                      | Part No.      |
|---------------------------|---------------|
| <b>RST PSI 700/12 LED</b> | 83.020.0903.0 |

Constant power supply unit 700 mA for connecting LEDs. Connections not used have to be closed.

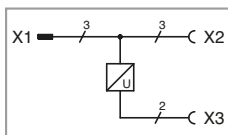
### Constant power supply unit, 12 V DC

|                                 |   |
|---------------------------------|---|
| Power input (male connector)    | 230V AC/20A RST 20i3, coding black            |
| Power output (female connector) | 230V AC/20A RST 20i3, coding black            |
| Output LED (female connector)   | 12V DC/max. 12W RST 20i2, coding signal brown |

|                                  |                                |
|----------------------------------|--------------------------------|
| Protection type                  | IP 65, 66, 67, 68 (3m; 2h), 69 |
| Ambient temperature              | -25 °C up to +55 °C            |
| Dimensions (length/width/height) | 104/162/96 mm                  |
| Mounting option                  | 4 elongated holes              |
| Electrical connections           | pluggable with RST 20i2...20i3 |



Circuit diagram



| Type                     | Part No.      |
|--------------------------|---------------|
| <b>RST PSU 12/12 LED</b> | 83.020.0900.0 |

Constant voltage supply unit 12 V for connecting LEDs. Connections not used have to be closed.

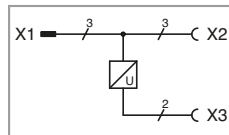
## Constant power supply unit, 24 V DC

|                                 |  |
|---------------------------------|--|
| power input (male connector)    | 230V AC/20A RST 20i3, coding black           |
| power output (female connector) | 230V AC/20A RST 20i3, coding black           |
| output LED (female connector)   | 24V DC/max. 12W RST20i2, coding signal brown |

|                                  |                                |
|----------------------------------|--------------------------------|
| Protection type                  | IP 65, 66, 67, 68 (3m; 2h), 69 |
| Ambient temperature              | -25 °C up to +55 °C            |
| Dimensions (length/width/height) | 104/162/96 mm                  |
| Mounting option                  | 4 elongated holes              |
| Electrical connections           | pluggable with RST 20i2...20i3 |



Circuit diagram



### RST PSU 24/12 LED

83.020.0901.0

Constant voltage supply unit 24 V for connecting LEDs.  
Connections not used have to be closed.

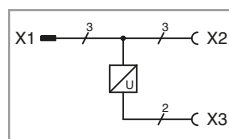
## Transformer for low voltage halogen luminaires, 12 V AC

|                                      |   |
|--------------------------------------|---|
| Power input (male connector)         | 230V AC/20A RST 20i3, coding black              |
| Power output (female connector)      | 230V AC/20A RST 20i3, coding black              |
| Output LV halogen (female connector) | 12 V AC/20 – 70 W RST 20i2, coding signal brown |

|                                  |   |
|----------------------------------|---|
| Output LV halogen                | max. 2 m cable length                   |
| Protection type                  | IP 65, 66, 67, 68 (3m; 2h), 69          |
| Ambient temperature              | 0 °C up to +45 °C (derating from 35 °C) |
| Dimensions (length/width/height) | 104/162/57.2 mm                         |
| Mounting option                  | 4 elongated holes                       |
| Electrical connections           | pluggable with RST 20i2...20i3          |



Circuit diagram



### Type

### RST PSU 12/70 LVH

### Part No.

83.020.0904.0

Power supply unit 12 V for connecting halogen luminaires.  
Connections not used have to be closed.

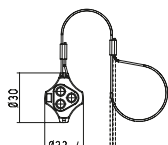
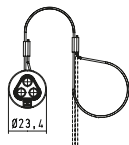
## Accessories Covers

Suitable for all RST 20i2 and RST 20i3 codings

The covers have to be used to close all unused inputs and outputs. Without these covers, only IP20 is achieved!

### for male

### for female



### Type

Cover for male connector, captive against loss

### Part No.

99.416.6205.2

Cover for male connector, not captive against loss

05.564.4453.1

Cover for female connector, captive against loss

99.414.6205.2

Cover for female connector, not captive against loss

Z5.564.4553.1

## Radio switch / hand-held radio transmitter

### Radio switch, 2/4 channels glossy with suitable frame

- glossy surface
- batteryless and maintenance free
- for installation on flat surfaces with screws or adhesive pads (included in delivery)
- the combination frames have to be ordered separately



This push button series features a glossy, smooth surface. The radio switches with 2 or 4 channels do not require batteries or maintenance. The rockers are in neutral central position and without marking with 1/0 or up/down symbols. The matching frames for these push buttons can be found below.



Frame for installation of the 2/4 channel glossy radio switches. Suitable for vertical and horizontal mounting.

| Type                     | Color       | Marking | Part No.      |
|--------------------------|-------------|---------|---------------|
| Radio switch, 2 channels | pure white  | I / 0   | F0.000.0025.0 |
|                          | pure white  | (△▼)    | F0.000.0025.2 |
|                          | pure white  |         | F0.000.0025.4 |
|                          | aluminum    | I / 0   | F0.000.0026.8 |
|                          | aluminum    | (△▼)    | F0.000.0027.0 |
|                          | aluminum    |         | F0.000.0027.2 |
| Radio switch, 4 channels | pure white  | I / 0   | F0.000.0025.1 |
|                          | pure white  | (△▼)    | F0.000.0025.3 |
|                          | pure white  |         | F0.000.0025.5 |
|                          | Piano black | I / 0   | F0.000.0026.0 |
|                          | aluminum    | I / 0   | F0.000.0026.9 |
|                          | aluminum    | (△▼)    | F0.000.0027.1 |
|                          | aluminum    |         | F0.000.0027.3 |

\* 2 channels represent a rocker in neutral center position. This function is defined in the receiver.

\* 4 channels represent two rockers in neutral center position. This function is defined in the receiver.

| Type                     | Color       | Marking | Part No.      |
|--------------------------|-------------|---------|---------------|
| Combination frame 1-fold | pure white  |         | F0.000.0025.6 |
| Combination frame 2-fold | pure white  |         | F0.000.0025.7 |
| Combination frame 3-fold | pure white  |         | F0.000.0025.8 |
| Combination frame 1-fold | piano black |         | F0.000.0026.5 |
| Combination frame 3-fold | piano black |         | F0.000.0026.7 |
| Combination frame 1-fold | aluminum    |         | F0.000.0027.4 |
| Combination frame 2-fold | aluminum    |         | F0.000.0027.5 |
| Combination frame 3-fold | aluminum    |         | F0.000.0027.6 |

### Handheld radio transmitter, 4 channels

- Handheld radio transmitter
- Batteryless and maintenance-free
- For stick-on surface mounting or as a handheld remote control.



| Type                       | Color               | Marking | Part No.      |
|----------------------------|---------------------|---------|---------------|
| Handheld radio transmitter | pure white RAL 9010 |         | F0.000.0009.1 |
| Handheld radio transmitter | black RAL 9005      |         | F0.000.0009.2 |
| Handheld radio transmitter | silver coated       |         | F0.000.0009.3 |

Batteryless and maintenance-free 4-channel handheld transmitter for direct control of the actuators.

## Radio switch / hand-held transmitter

### Convenient hand-held transmitter

|                     |     |
|---------------------|-----|
| Radio channels      | 512 |
| Configurable levels | 32  |

|                                  |                             |
|----------------------------------|-----------------------------|
| Displays                         | Time, date, temperature     |
| Texts and symbols                | pre-defined or configurable |
| Lock                             | with pin code               |
| Timers                           | 32                          |
| Speed dial keys                  | 8                           |
| Dimensions (length/width/height) | 165/55/21 mm                |



Included in delivery

| Type                             | Part No.      |
|----------------------------------|---------------|
| Convenient hand-held transmitter | F0.000.0024.4 |

### Special EnOcean function:

EnOcean service function, e.g. ID display, quality of radio signals, and a radio link test (enables range test between two hand-held terminals)

### Power supply:

Supply with batteries

3 AAA-NiMH power packs  
(included in delivery)

Charging device

USB charging device and separate  
USB cable (included in delivery)

The convenient hand-held transmitter allows for control of the complete building. Whether complex lighting concepts or comprehensive actions following a detailed schedule: This hand-held terminal lets you program building functions in the twinkling of an eye. Menu navigation is intuitive and is supported by easily understandable symbols. Additionally, the device offers service functions for the installer regarding range planning and serves for function testing during commissioning.

### Multivendor radio switch, 2/4 channels

- Batteryless and maintenance-free
- for mounting on flat surfaces with screws or adhesive pads (included in delivery)

- The radio switches fit the frames with 55mm installation size of the vendors and their designs listed:
  - Berker: S1, B1, B3, B7 Glas
  - Gira: Standard 55, E2, Event, Esprit
  - Jung: A500, A plus
  - Merten: M-Smart, M-Arc, M-Plan



| Type                     | Color           | Marking | Part No.      |
|--------------------------|-----------------|---------|---------------|
| Radio switch, 2 channels | white           | I / O   | F0.000.0005.6 |
|                          | anthracite      | I / O   | F0.000.0007.5 |
|                          | aluminum finish | I / O   | F0.000.0007.6 |
| Radio switch, 2 channels | white           | (△▼)    | F0.000.0005.8 |
|                          | anthracite      | (△▼)    | F0.000.0007.7 |
|                          | aluminum finish | (△▼)    | F0.000.0007.8 |
| Radio switch, 4 channels | white           | I / O   | F0.000.0005.7 |
|                          | anthracite      | I / O   | F0.000.0007.9 |
|                          | aluminum finish | I / O   | F0.000.0008.0 |
| Radio switch, 4 channels | white           | (△▼)    | F0.000.0005.9 |
|                          | anthracite      | (△▼)    | F0.000.0008.1 |
|                          | aluminum finish | (△▼)    | F0.000.0008.2 |

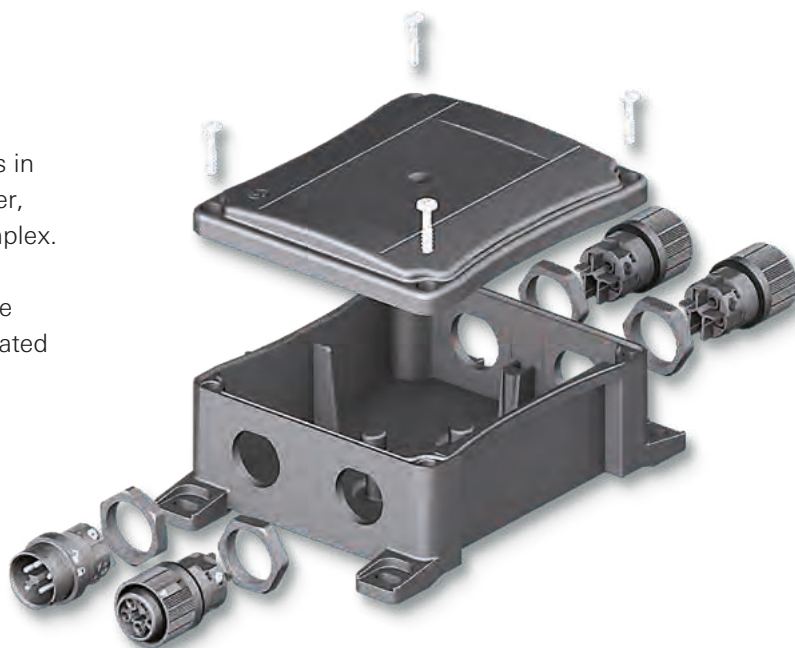
Batteryless and maintenance-free radio switches with 2/4 channels for direct control of the actuators. The rockers in neutral center position are marked with I/O or Up/Down (△▼) symbols. These 55x55 mm switches enable installation in various designs of various manufacturer

- Multivendor radio switches with 2/4 channels (light) (I / O)
- the rockers are printed with I/O symbols
- Multivendor radio switches with 2/4 channels (sunblind) (Up / Down) (△▼)
- the rockers are printed with Up/Down (△▼) symbols

# Compact and multiple distribution units

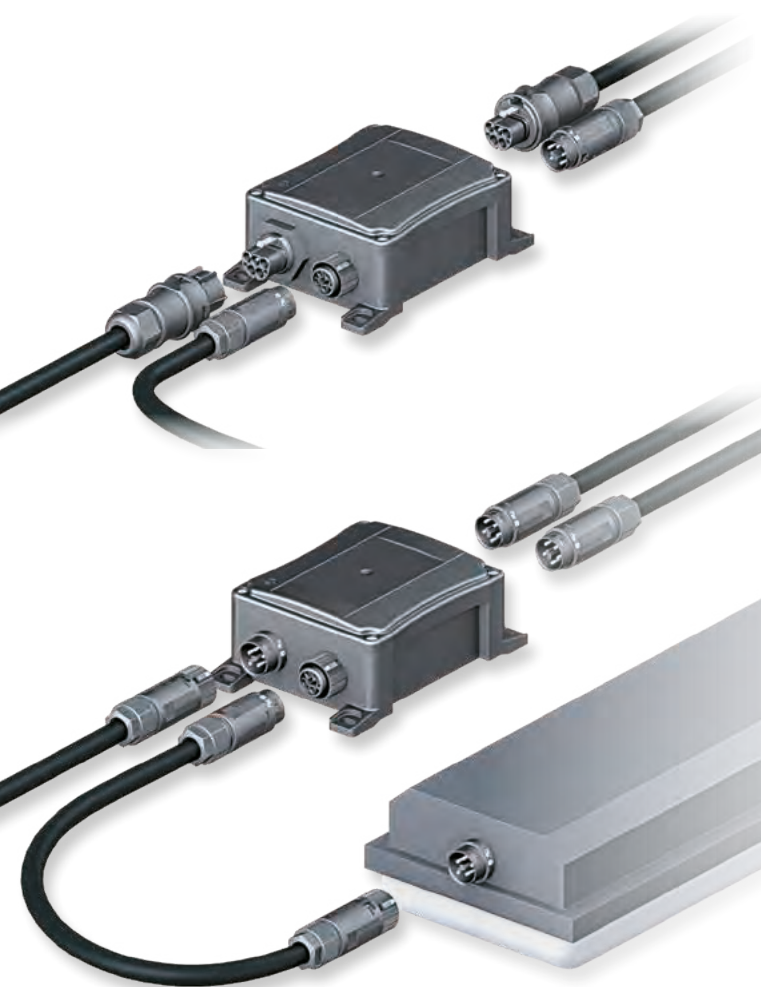
## Flexibility according to RST® modularity

The pluggable distributors play a major role in power or signal distribution. In their simplest function, they merely have to provide branches in the required locations. Practice shows, however, that the requirements may be much more complex. Examples can be found in rotary A/C current distributors and distributors with integrated fine fuses, all the way through to boxes with integrated electronics, such as constant current sources, voltage sources, or radio actuators.



Two housing variations are the basis: a flat design with up to four slots, and a high design with a total of up to eight slots. Alongside a customized configuration with the new RST16i device connectors, the existing components of the RST20i and RST25i lines can also be used for variety, of course.

The coded connectors give you the security of a clear distinction between different circuits – no need to redo any incorrect connections. In addition to the compact and multiple distributors, standard distribution boxes can also be customized with device connectors.



**Example**



## Special variant request – please complete and fax: +49-951-9326-996

No. \_\_\_\_\_

No. \_\_\_\_\_

No. \_\_\_\_\_

No. \_\_\_\_\_

Ausgang oder verschlossen  
OUT OR CLOSED

Ausgang oder verschlossen  
OUT OR CLOSED

No. \_\_\_\_\_

No. \_\_\_\_\_

No. \_\_\_\_\_

No. \_\_\_\_\_

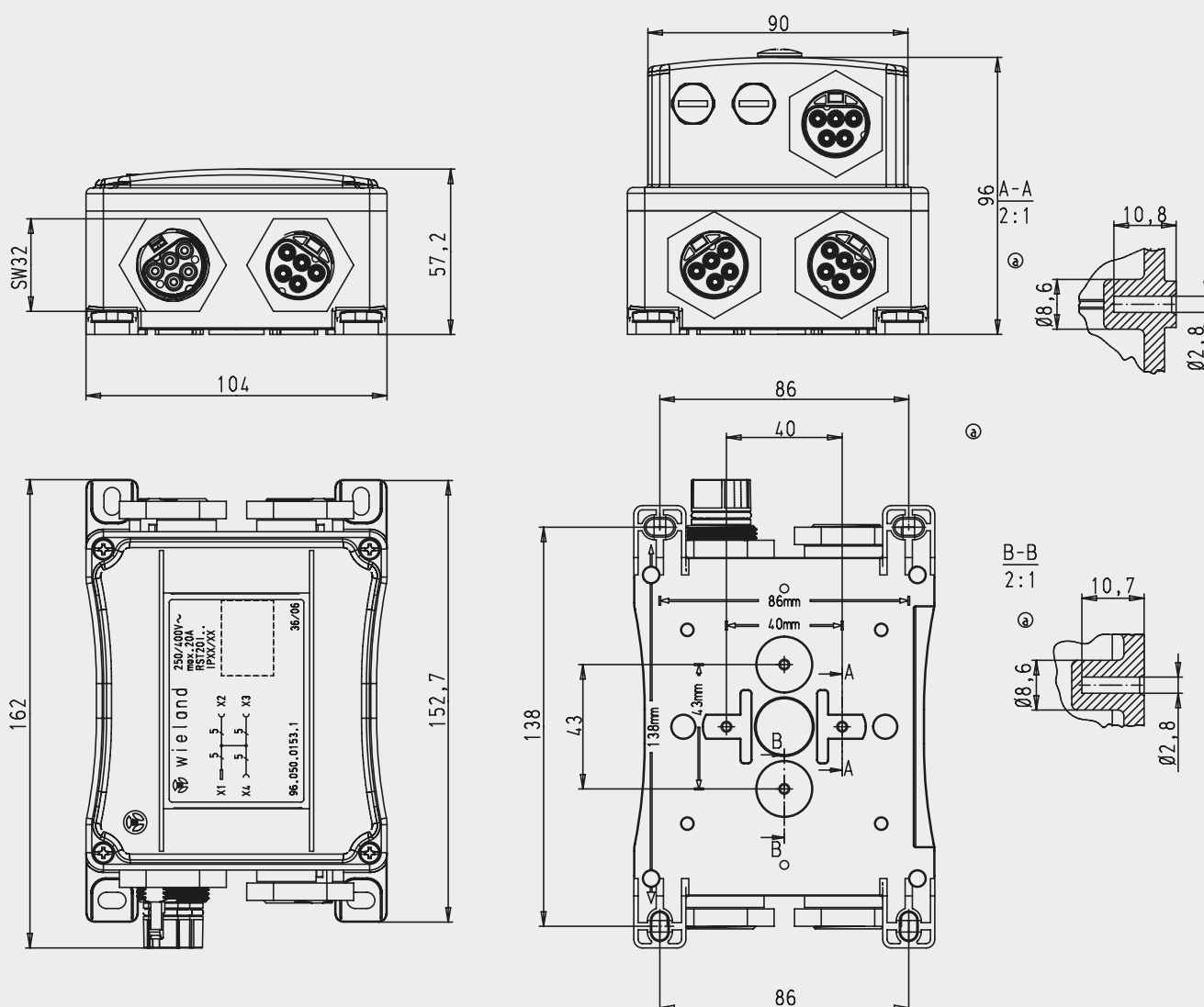
Ausgang oder verschlossen  
OUT OR CLOSED

Ausgang oder verschlossen  
OUT OR CLOSED

 Compact/multi-  
distribution units

Bitte die benötigten Komponenten (Artikelnummer oder Polzahl und Farbe) ergänzen und Verdrahtung einzeichnen.  
Please add required components (either article code or number of poles and color) and the wiring scheme.

# **RST® compact and multi-distribution units**



**Operating temperature:** -40° C up to +100° C

**Material:** Contact parts: brass, silver-plated  
Housing parts: thermoplastic material PA 66, halogen-free, V2  
Sealing material: NBR

**Wiring:** Individual wires 2.5 mm<sup>2</sup>, halogen-free  
(other cross-sections on request)

**Regulations:** DIN VDE 0606 T200; DIN EN 61984 (VDE 0627); VDE 0110  
IEC 60999

**Approvals:** VDE  
You can find the direct assignment of approvals and part numbers in the internet in the eShop under <http://eshop.wieland-electric.com>, or consult us.

**Degree of protection:** IP66/68 (3m; 2h)/69  
Special variants may occur different degrees of protection.

**IK code:** IK 07 (2 Joule) according to DIN EN 62262

**Rated voltage:** 250 V / 400 V

**Rated current:** 20 A (25 A)

**Coding:** Mechanical coding symbolized by color code.  
Gray and black with the same mechanical coding.  
Other codings are optional.

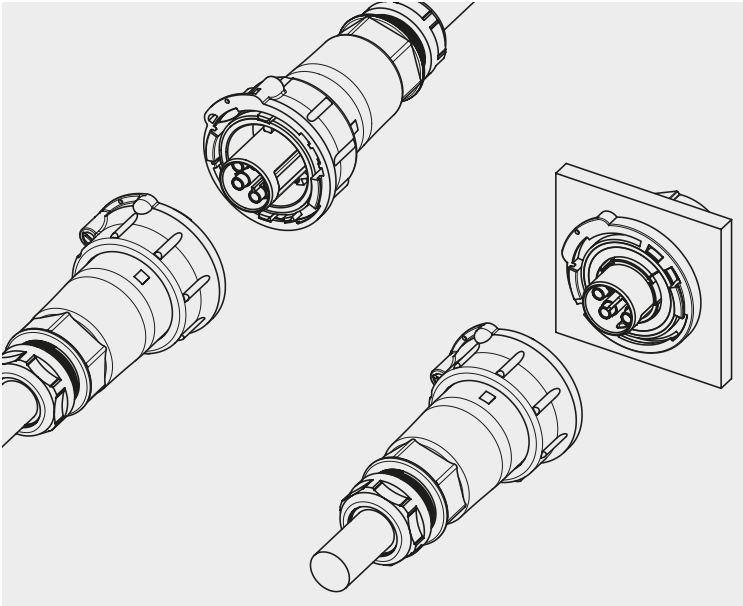
**Note:** Protection against shock generally guaranteed even when disconnected.  
Ground conductor leading. Connection to the live cable must be with a female connector according to the regulations.  
It is therefore not possible to have a ring circuit arrangement!  
Only pluggable in the correct pole configuration; 1-pole cannot be connected.  
Contacts protected against strain on the cable. All components can be interlocked.  
A locking device is required for DIN EN 61535 approval.  
DIN VDE 0606 T200 conformity does not automatically exclude the danger of confusion with third-party installation plug connector systems!  
Installation plug connector systems are no substitute for national plug/outlet systems for domestic use.





# The **RST**® POWER series up to 50 A

## Application example



## General

The new **RST**® POWER series is particularly designed for device engineering. With a current-carrying capability of 50 A combined with an extremely compact design, the connector fits almost everywhere.

The 4-pole connector is based on the 5-pole variation, with one pole left empty.

## Coding

|   |                         |                  |                       |                            |                             |
|---|-------------------------|------------------|-----------------------|----------------------------|-----------------------------|
| For daily updates visit the website at <a href="http://eshop.wieland-electric.com">http://eshop.wieland-electric.com</a> .<br>Assembly instructions and other technical information can be found in the Technical Data or in eShop. |                         |                  |                       | Application                | Power max. 50 A             |
|   |                         |                  |                       | Mechanical coding          | 250/400 V<br>1, 2, 3, ⊕<br> |
|   |                         |                  |                       | Connection points per pole | black                       |
| Name  | Description             | Connection style | Strain relief housing |                            |                             |
| Connectors  | 1 x wire entry          | Screw Crimp      | yes                   | 1                          | ✓                           |
| Device connectors   | M32 connector, standard | Screw Crimp      | yes                   | 1                          | ✓                           |

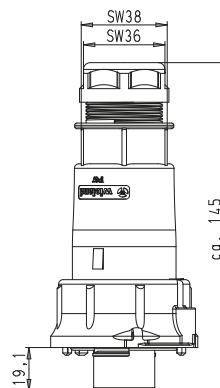
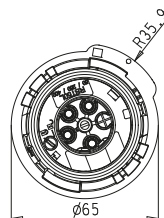


## Connectors, straight for cables Ø 15 – 25 mm and 20 – 32 mm

### Female connector



Illustration  
M 32 cable gland



#### with screw connection

| Wire           | mm <sup>2</sup>   |
|----------------|-------------------|
| solid          | from 4.0 to 6.0*) |
| stranded       |                   |
| flexible wires | from 4.0 to 16.0  |
| Approvals      | VDE, c CSA us     |

#### with crimp connection

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| flexible wires | from 4.0 to 10.0 |
| Approvals      | VDE, c CSA us    |

Application Coding Cable gland Cable Ø in mm Color

|                   |  |      |         |       |
|-------------------|--|------|---------|-------|
| Power<br>max. 50A |  | M 32 | 15 – 25 | black |
|                   |  | M 40 | 20 – 32 | black |

Part No.

97.041.4053.1  
97.041.4253.1

Part No.

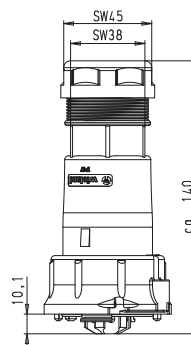
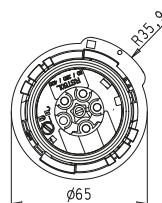
97.141.0053.1  
97.141.0253.1

Contacts separately under Accessories, see following pages.

### Male connector



Illustration  
M 40 cable gland



#### with screw connection

| Wire           | mm <sup>2</sup>   |
|----------------|-------------------|
| solid          | from 4.0 to 6.0*) |
| stranded       |                   |
| flexible wires | from 4.0 to 16.0  |
| Approvals      | VDE, c CSA us     |

#### with crimp connection

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| flexible wires | from 4.0 to 10.0 |
| Approvals      | VDE, c CSA us    |

Application Coding Cable gland Cable Ø in mm Color

|                   |  |      |         |       |
|-------------------|--|------|---------|-------|
| Power<br>max. 50A |  | M 32 | 15 – 25 | black |
|                   |  | M 40 | 20 – 32 | black |

Part No.

97.042.4053.1  
97.042.4253.1

Part No.

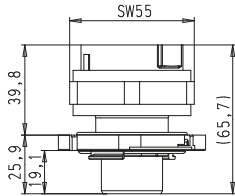
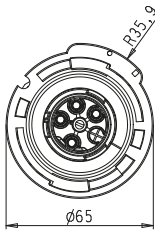
97.142.0053.1  
97.142.0253.1

Contacts separately under Accessories, see following pages.

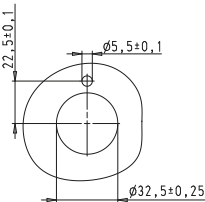
\*) Solid and stranded wires > 6.0 mm<sup>2</sup> cannot be connected in the available space due to their rigidity.

M32 device connector  
straight, standard

Female connector



Drilling template for  
device connectors fixed  
in position



with screw connection

|                |                  |
|----------------|------------------|
| Wire           | mm²              |
| solid          | from 4.0 to 16.0 |
| stranded       | from 4.0 to 16.0 |
| flexible wires | from 4.0 to 16.0 |
| Approvals      | VDE, c CSA us    |

with crimp connection

|                |                  |
|----------------|------------------|
| Wire           | mm²              |
| flexible wires | from 4.0 to 10.0 |
| Approvals      | VDE, c CSA us    |

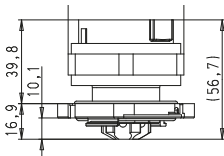
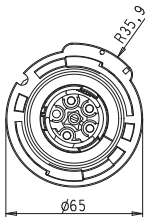
| Application          | Coding            | Fixation with bolts   | Color |
|----------------------|-------------------|-----------------------|-------|
| Power<br>max.<br>50A | <br>1, 2, 3,<br>⊕ | fixed in position     | black |
|                      |                   | not fixed in position | black |

| Part No.      |
|---------------|
| 97.041.5553.1 |
| 97.041.5053.1 |

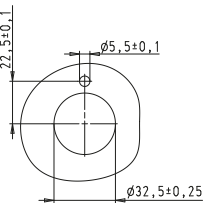
| Part No.      |
|---------------|
| 97.141.1553.1 |
| 97.141.1053.1 |

Contacts separately under Accessories, see following pages.

Male connector



Drilling template for  
device connectors fixed  
in position



with screw connection

|                |                  |
|----------------|------------------|
| Wire           | mm²              |
| solid          | from 4.0 to 16.0 |
| stranded       | from 4.0 to 16.0 |
| flexible wires | from 4.0 to 16.0 |
| Approvals      | VDE, c CSA us    |

with crimp connection

|                |                  |
|----------------|------------------|
| Wire           | mm²              |
| flexible wires | from 4.0 to 10.0 |
| Approvals      | VDE, c CSA us    |

| Application          | Coding            | Fixation with bolts   | Color |
|----------------------|-------------------|-----------------------|-------|
| Power<br>max.<br>50A | <br>1, 2, 3,<br>⊕ | fixed in position     | black |
|                      |                   | not fixed in position | black |

| Part No.      |
|---------------|
| 97.042.5553.1 |
| 97.042.5053.1 |

| Part No.      |
|---------------|
| 97.142.1553.1 |
| 97.142.1053.1 |

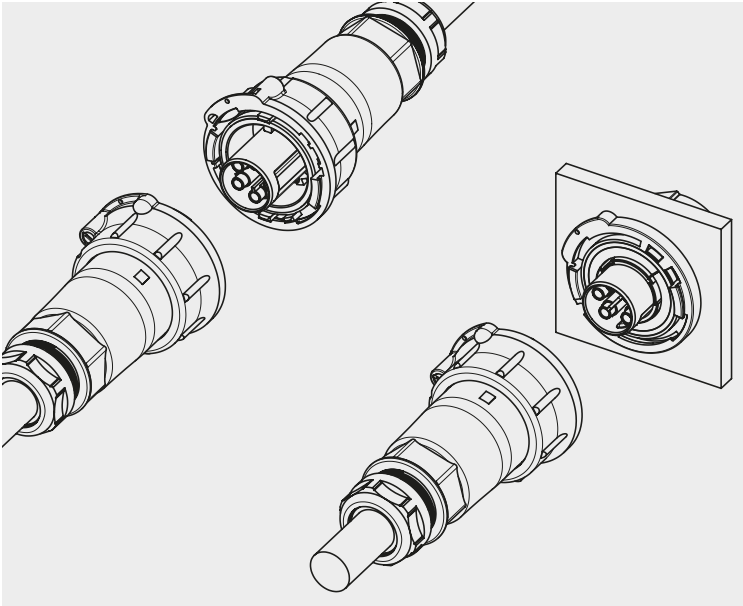
Contacts separately under Accessories, see following pages.





# The new **RST**® POWER series up to 50 A

## Application example



## General

The new **RST**® POWER series is particularly designed for device engineering. With a current-carrying capability of 50A combined with an extremely compact design, the connector fits almost everywhere.

## Coding

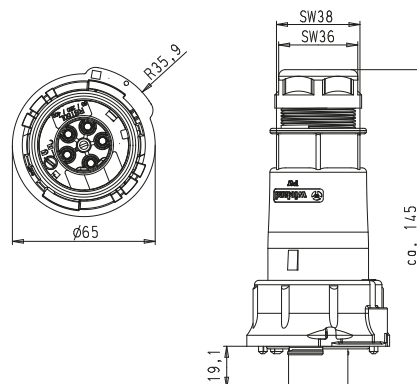
|   |                         |                  |                       |                            |                               |
|---|-------------------------|------------------|-----------------------|----------------------------|-------------------------------|
| For daily updates visit the website at <a href="http://eshop.wieland-electric.com">http://eshop.wieland-electric.com</a> .<br>Assembly instructions and other technical information can be found in the Technical Data or in eShop. |                         |                  |                       | Application                | Power max. 50A                |
|   |                         |                  |                       | Mechanical coding          | 250/400V<br>1, 2, 3, N, ⊕<br> |
|   |                         |                  |                       | Connection points per pole | black                         |
| Name  | Description             | Connection style | Strain relief housing |                            |                               |
| Connectors  | 1 x wire entry          | Screw Crimp      | yes                   | 1                          | ✓                             |
| Device connectors   | M32 connector, standard | Screw Crimp      | yes                   | 1                          | ✓                             |

## Connectors, straight for cables Ø 15 – 25 mm and 20 – 32 mm

### Female connector



Illustration  
M 32 cable gland



#### with screw connection

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| solid          | from 4.0 to 6.0* |
| stranded       |                  |
| flexible wires | from 4.0 to 16.0 |
| Approvals      | VDE, c CSA us    |

#### with crimp connection

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| flexible wires | from 4.0 to 10.0 |
| Approvals      | VDE, c CSA us    |

Application Coding Cable gland Cable Ø in mm Color

|                   |  |      |         |       |
|-------------------|--|------|---------|-------|
| Power<br>max. 50A |  | M 32 | 15 – 25 | black |
|                   |  | M 40 | 20 – 32 | black |

Part No.

97.051.4053.1  
97.051.4253.1

Part No.

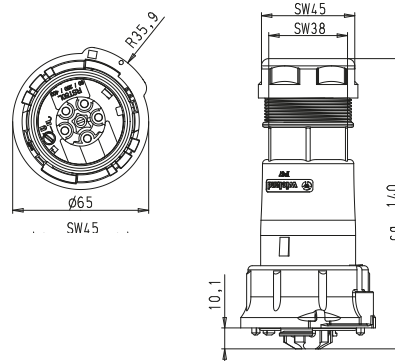
97.151.0053.1  
97.151.0253.1

Contacts separately under Accessories, see following pages.

### Male connector



Illustration  
M 40 cable gland



#### with screw connection

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| solid          | from 4.0 to 6.0* |
| stranded       |                  |
| flexible wires | from 4.0 to 16.0 |
| Approvals      | VDE, c CSA us    |

#### with crimp connection

| Wire           | mm <sup>2</sup>  |
|----------------|------------------|
| flexible wires | from 4.0 to 10.0 |
| Approvals      | VDE, c CSA us    |

Application Coding Cable gland Cable Ø in mm Color

|                   |  |      |         |       |
|-------------------|--|------|---------|-------|
| Power<br>max. 50A |  | M 32 | 15 – 25 | black |
|                   |  | M 40 | 20 – 32 | black |

Part No.

97.052.4053.1  
97.052.4253.1

Part No.

97.152.0053.1  
97.152.0253.1

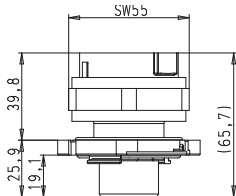
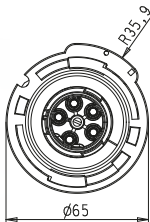
Contacts separately under Accessories, see following pages.

\* Solid and stranded wires > 6.0 mm<sup>2</sup> cannot be connected in the available space due to their rigidity.

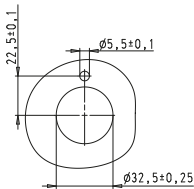


M32 device connector  
straight, standard

Female connector



Drilling template for  
device connectors fixed  
in position



with screw connection

| Wire           | mm²              |
|----------------|------------------|
| solid          | from 4.0 to 16.0 |
| stranded       | from 4.0 to 16.0 |
| flexible wires | from 4.0 to 16.0 |
| Approvals      | VDE, c CSA us    |

with crimp connection

| Wire           | mm²              |
|----------------|------------------|
| flexible wires | from 4.0 to 10.0 |
| Approvals      | VDE, c CSA us    |

Application    Coding    Fixation with bolts    Color

|                      |  |                       |       |
|----------------------|--|-----------------------|-------|
| Power<br>max.<br>50A |  | fixed in position     | black |
|                      |  | not fixed in position | black |

Part No.

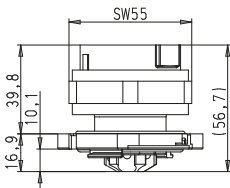
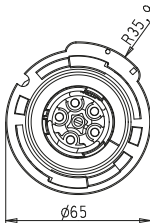
97.051.5553.1  
97.051.5053.1

Part No.

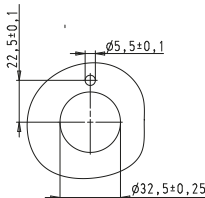
97.151.1553.1  
97.151.1053.1

Contacts separately under Accessories, see following pages.

Male connector



Drilling template for  
device connectors fixed  
in position



with screw connection

| Wire           | mm²              |
|----------------|------------------|
| solid          | from 4.0 to 16.0 |
| stranded       | from 4.0 to 16.0 |
| flexible wires | from 4.0 to 16.0 |
| Approvals      | VDE, c CSA us    |

with crimp connection

| Wire           | mm²              |
|----------------|------------------|
| flexible wires | from 4.0 to 10.0 |
| Approvals      | VDE, c CSA us    |

Application    Coding    Fixation with bolts    Color

|                      |  |                       |       |
|----------------------|--|-----------------------|-------|
| Power<br>max.<br>50A |  | fixed in position     | black |
|                      |  | not fixed in position | black |

Part No.

97.052.5553.1  
97.052.5053.1

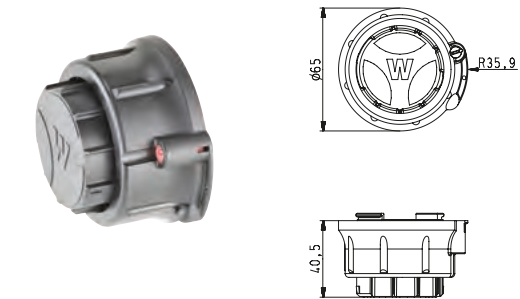
Part No.

97.152.1553.1  
97.152.1053.1

Contacts separately under Accessories, see following pages.

Cover

For safe covering of unused male or female components



| Name  | Color | Part No.      |
|-------|-------|---------------|
| Cover | black | Z5.567.5653.0 |

Sample kit RST 50i5  
Complete kit

Contents:

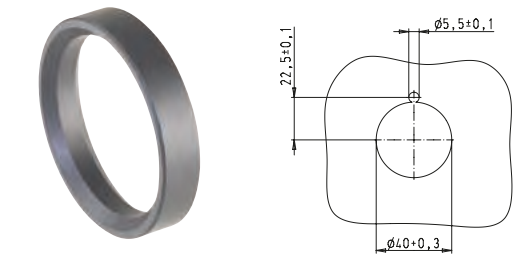
- Connectors
- Device connection
- Cover
- Knock-out (metal sheet)



| Name               | Color | Part No.      |
|--------------------|-------|---------------|
| Sample kit RST50i5 | black | 99.628.0000.0 |

Adapter ring 40 mm

For fixing the device connector inside 40 mm knock-outs



| Name         | Color | Part No.      |
|--------------|-------|---------------|
| Adapter ring | black | 05.568.1853.0 |

RST® POWER Crimp contacts

Female contact



Male contact



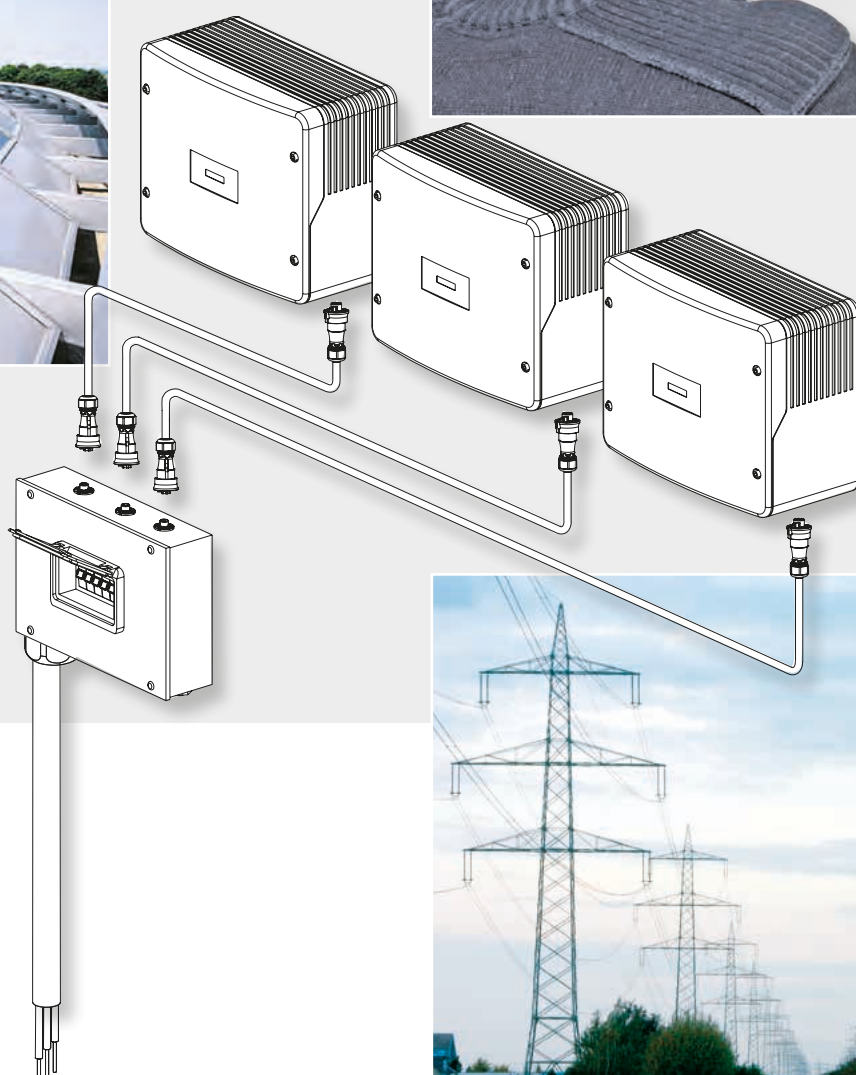
| Name           | Marking | (groove) mm² | Part No.      |
|----------------|---------|--------------|---------------|
| Female contact | None    | 4.0          | 02.126.0621.8 |
| Female contact | 1       | 6.0          | 02.126.0721.8 |
| Female contact | None    | 10.0         | 02.126.0821.8 |
| Male contact   | None    | 4.0          | 05.545.2821.8 |
| Male contact   | 1       | 6.0          | 05.545.2921.8 |
| Male contact   | None    | 10.0         | 05.545.3021.8 |

Crimping tool with system kit



| Name                             | Part No.      |
|----------------------------------|---------------|
| Crimping tool (supplied in case) | 95.101.0800.0 |
| Crimping die D                   | 05.502.2300.0 |

## Convincing technology



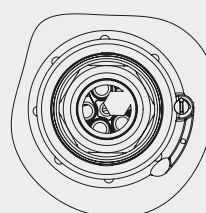
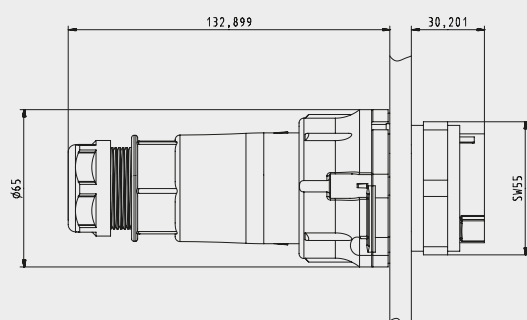
Example:  
Solar collective  
distribution box



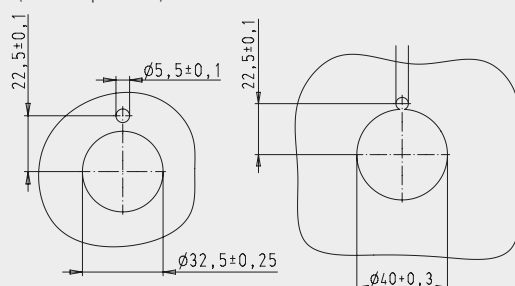
# Technical Data **RST®** POWER

|                 | RST 50i4/i5   |
|-----------------|---------------|
| Rated voltage   | 250/400V      |
| Rated current   | 50A           |
| Number of poles | 4- or 5-poles |

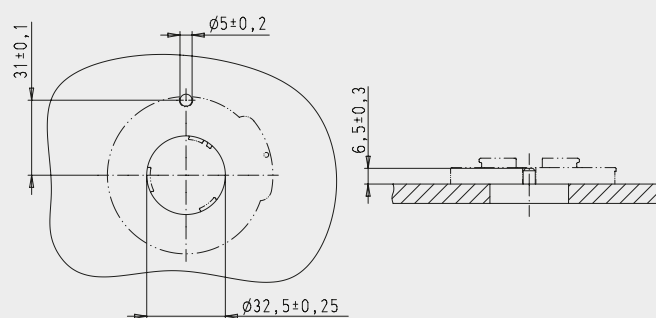
|                                 |   |
|---------------------------------|---|
| <b>Pole designation:</b>        | 4-pole: 1, 2, 3, PE<br>5-pole: 1, 2, 3, N, PE   |
| <b>Material:</b>                | Contact parts: brass, surface-treated<br>Housing parts: polyamide, halogen-free, V2<br>Sealing material: NBR, TPE   |
| <b>Sheath strip length:</b>     | L/N = 70 mm, SL = 80 mm   |
| <b>Insulation strip length:</b> | Screw 10 mm (crimp 11 mm)   |
| <b>Torques:</b>                 | Cable gland M32 (SW 36): 8 Nm; M40 (SW 45): 14 Nm   |
| <b>Degree of protection:</b>    | IP66/67/69  |
| <b>Approvals:</b>               | VDE, cCSAus<br>You can find the direct assignment of approvals and part numbers in the internet in the eShop under <a href="http://eshop.wieland-electric.com">http://eshop.wieland-electric.com</a> , or consult us. |



Hole pattern for M32 device connectors, alternative M40 with adapter ring (fixed in position)



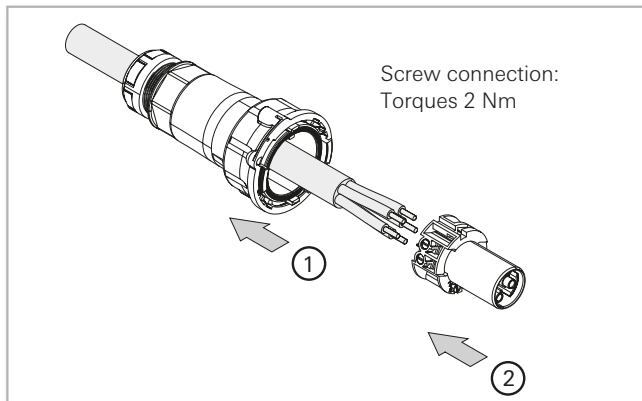
Alternative fixed in position (cams on the housing)



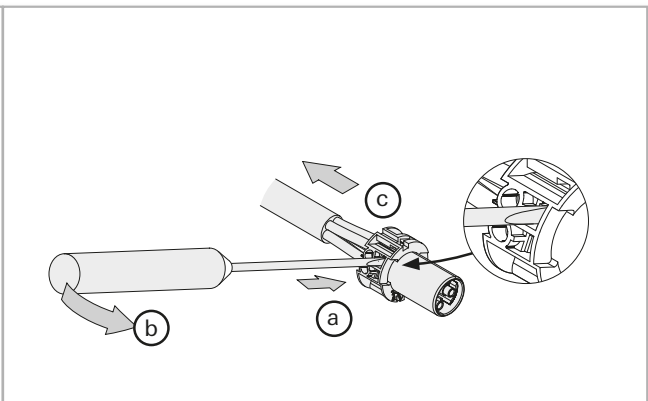


## Connectors 4- and 5-pole

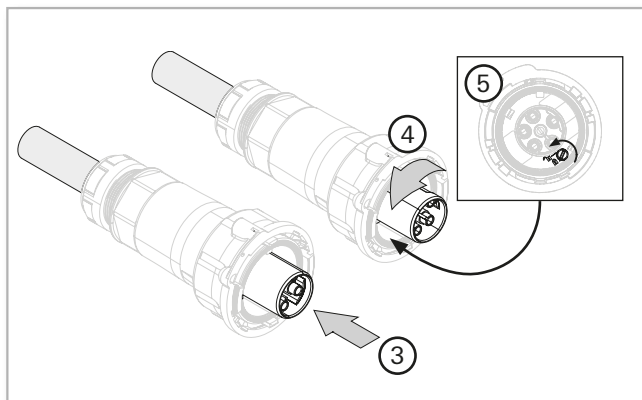
### Connect the wires ...



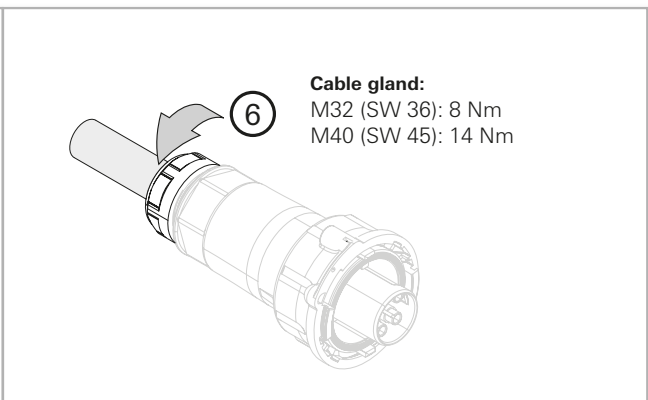
### ... Disconnect the crimp contacts



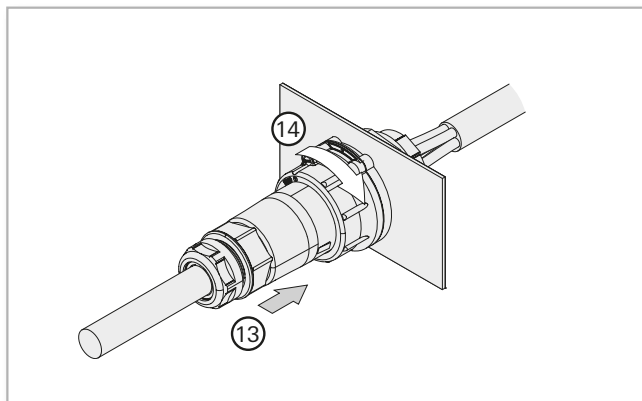
### Secure the contact inserts ...



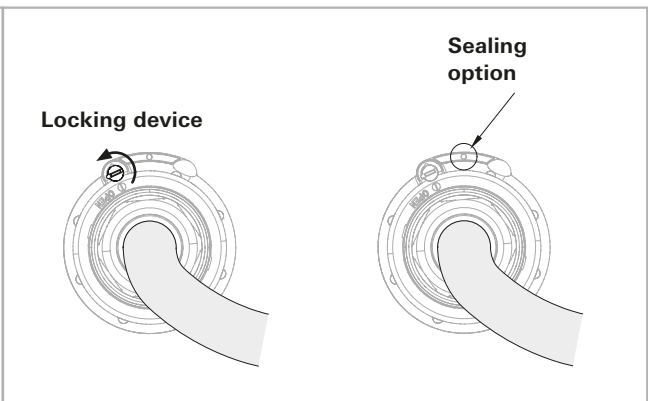
### ... Tighten the cable gland



### Bayonet lock ...

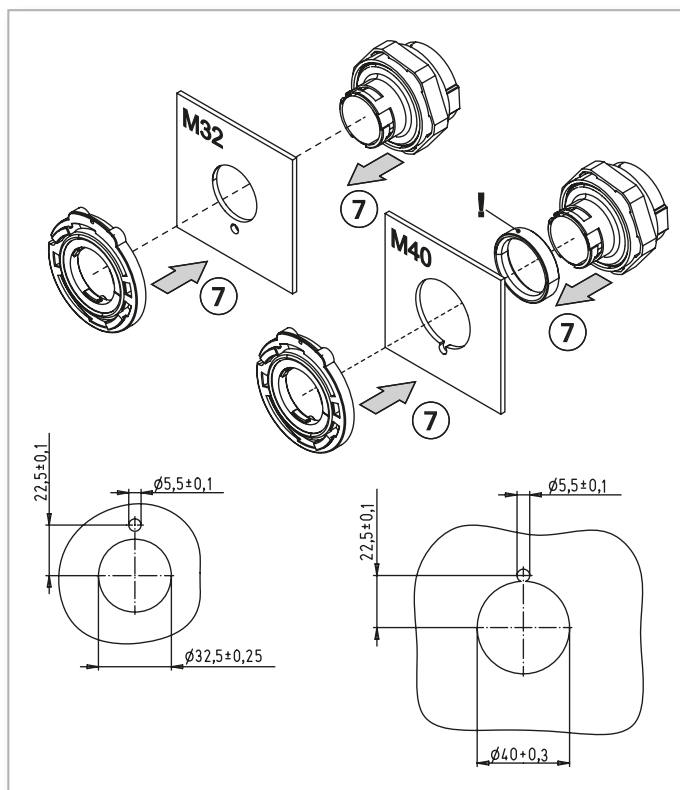


### ... and protection against unintentional disconnection

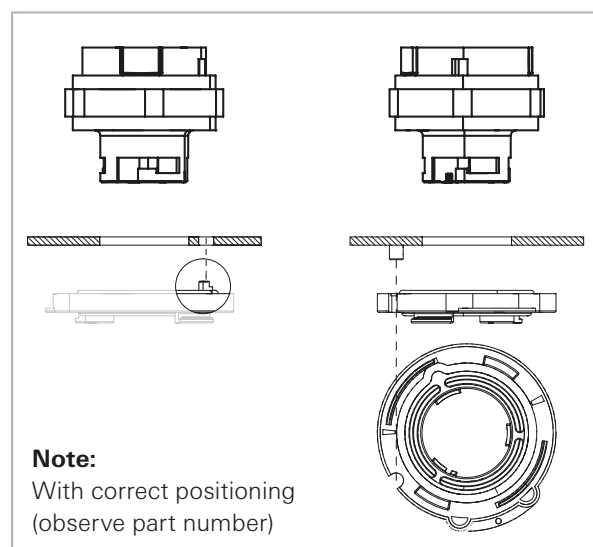


## Device connections 4- and 5-pole

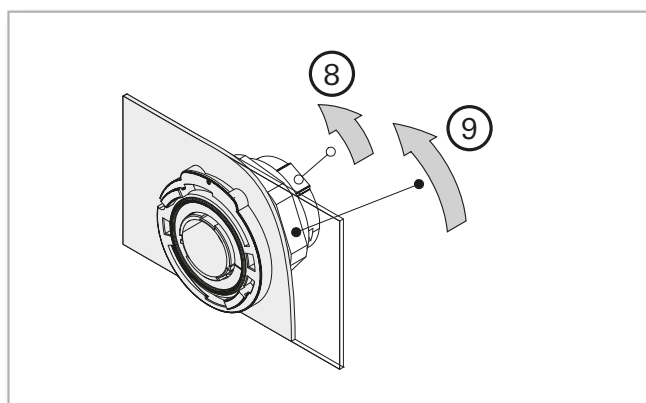
Mounting housing flange,  
dimensions in mm



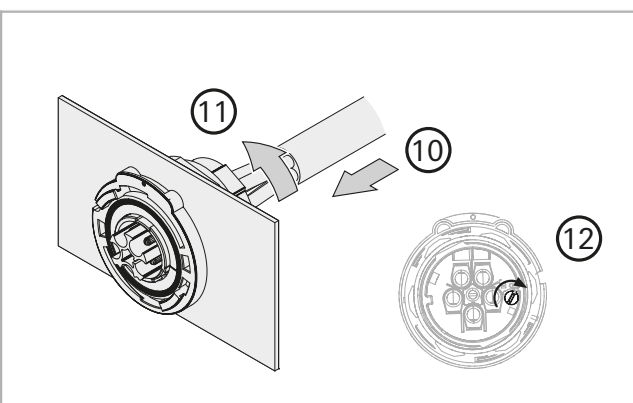
Positioning option



Latching the housing flange ...





... securing the contact insert



# Definition of IP protection degrees (DIN EN 60529-1)

Documentation:

Example: IP65

|   |   |   | 1st digit | 2nd digit |  |  |
|---|---|---|-----------|-----------|--|--|
|   |   |   |           |           | IP protection ratings against ingress of objects and contact | IP protection ratings against ingress of water                                     |
|  | Protection against contact                            | Protection against ingress of objects       |           |           |  |  |
| 0   | no protection   | no protection                               |           |           |  | 0 no protection  |
| 1   | Any large surface of the body (e.g. back of the hand) | Large foreign objects (> 50 mm in Ø)        |           |           |  | 1 Protection against vertically falling water                                      |
| 2   | Finger  | Medium-sized foreign objects (> 12 mm in Ø) |           |           |  | 2 Protection from diagonally (up to 15°) falling water drops                       |
| 3   | Tools and wires (> 2.5 mm in Ø)                       | Small foreign objects (> 2.5 mm in Ø)       |           |           |  | 3 Protection against spraying water up to 60° to the vertical                      |
| 4   | Tools and wires (> 1.0 mm in Ø)                       | Grain-shaped foreign objects (> 12 mm in Ø) |           |           |  | 4 Protection from splashing water from any direction                               |
| 5   | Complete protection against contact                   | Dust deposition                             |           |           |  | 5 Protection against water jets ✓  |
| 6   | Complete protection against contact                   | Dust ingress ✓                              |           |           |  | 6 Protected against powerful water jets ✓  |
| 7   |   |   |           |           |  | 7 Protection against temporary immersion in water ✓                                |
| 8   |   |   |           |           |  | 8 Protection against continuous immersion in water ✓                               |
| 9   |   |   |           |           |  | 9 Protection against high pressure, high temperature spray downs ✓                 |

## As an innovative installation system, Wieland offers a global concept for efficient outdoor installation and industrial application.

In many applications, electrotechnical devices and systems must reliably work for many years under tough environmental conditions. To ensure a reliable function, it is essential to prevent the penetration of humidity or particles (e.g. dust, oil, soot, etc.) in production plants, garages or in outdoor areas. Even an unplanned immersion is possible with the **RST**® system within the scope of the specified degree of protection.

**The system is not designed for permanent operation under water.**

**It is not possible to lay the components directly in the ground.**

**According to VDE 0100-520, connectors must be protected using suitable additional facilities and must be accessible for visual inspection, testing, and maintenance.**

**Refer also to the installation instructions.**

### Degree of protection achieved:

|             |  |
|-------------|--|
| <b>IP65</b> | Water jets   |
| <b>IP66</b> | Powerful water jets  |
| <b>IP67</b> | Temporary immersion  |
| <b>IP68</b> | Continuous immersion (for 2 hours at a water depth of 3 m) |
| <b>IP69</b> | High-pressure spray down                                   |

# Material resistance

| Please contact us for applications under different conditions. |   |  |
|--|---|--|
| UV light (use black-colored connectors!)                       | + | Motor oil (SAE 20W/55)                                 |
| Oil and grease resistance                                      | + | Nickel chloride  |
| Aliphatic carbon hydride                                       | + | Paraffin and paraffin derivatives                      |
| Aromatic hydrocarbons  | + | Phosphoric ester                                       |
| Alcohols   | + | Phthalic ester   |
| Ammonia, water-free  | + | Polyamide resin  |
| Ammonium chloride (salmiac)                                    | + | Polyester polyoles                                     |
| Ammonium sulfate   | + | Polyether polyoles                                     |
| Barium chloride  | + | Polyglycols  |
| Beer   | + | Polymeric softeners                                    |
| Butter   | + | Polyurethane resins                                    |
| Butyl alcohol  | + | Mercury  |
| Calcium chloride, aqueous solution, 10%                        | + | Castor oil   |
| Citric acid, aqueous solution, 10%                             | + | Salmiac  |
| Ferric sulfide   | + | Oxygen, RT   |
| Ethyl ether  | + | Lubricating oil (O-149), (not bunker oil, oil tankers) |
| Paint, varnish, with low sulphuric acid content                | + | Sulfur, wet  |
| Fruit juice, fruit acid  | + | Sulfuric acid (diluted, RT)                            |
| Tannic acid  | + | Sulfur hexafluoride                                    |
| Glycerin   | + | Sweat  |
| Glysantine, aqueous solution, 40%                              | + | Sebacic acid ester                                     |
| Potassium chloride   | + | Spirits  |
| Caustic potash solution, aqueous solution, 10%                 | + | Nitric acid (10%)                                      |
| Sodium, aqueous solution, 10%                                  | + | Hydrochloric acid (10%)                                |
| Linseed oil  | + | Water, RT, free from chlorine up to 80 °C              |
| Milk   | + | Water: sea water resistance, artificial, 20 °C         |
| Lactic acid, 20 °C   | + | Stannic chloride, 20 °C, saturated                     |

## TÜV certificate for outdoor use



## RST® long-term studies:

In addition to the tests required by the standard, a continuous test was performed over 14 months. During this time, the connectors were exposed to direct sunlight, frost and occasional flooding. For this purpose, the **RST®** components were installed in an eaves gutter and monitored by a 30 mA circuit breaker with the mains voltage applied. The following tests were performed in addition to the continuous test:

– Temperature change test (– 40 °C to + 60 °C)

Please observe overleaf installation instructions.

The complete test report can be ordered from our hotline using the phone number +49 951/9324-996.

# Installation instructions for outdoor electrical installations

Outdoor electrical installations are particularly tricky. Constant temperature changes, high UV radiation, high ozone values and, not least, mechanical wear leading to material fatigue, water ingress, and, finally, system failure.

## Installation instructions

A horizontal installation position is preferable in order to ensure that water drains off. In accordance with installation regulation IEC 60364-5-52 (DIN VDE 0100-522.3), cable systems must be designed in such a way that damage caused by the ingress of water is avoided.

Cable systems must satisfy the required degree of protection. If water can accumulate or water condensation can occur, provisions for water drainage must be made! This particularly applies to sealing points in the area of the strain relief.

If abrasion might occur (in flexible installations), wear of the pre-assembled cable must be taken into consideration and must be monitored.

Avoid any bending of the cable in the area of the strain relief.

Control mechanical bending in the area of the strain relief using suitable measures (e.g. cable clamps).

Laying of the system components directly in the ground is not possible. According to VDE 0100-520, connectors must be protected using suitable additional facilities and must be accessible for visual inspection, testing, and maintenance.

The connector system is not designed for continuous operation under water. However, unplanned immersion is possible as foreseen by the specification.

## Connectors for equipment with protection class II

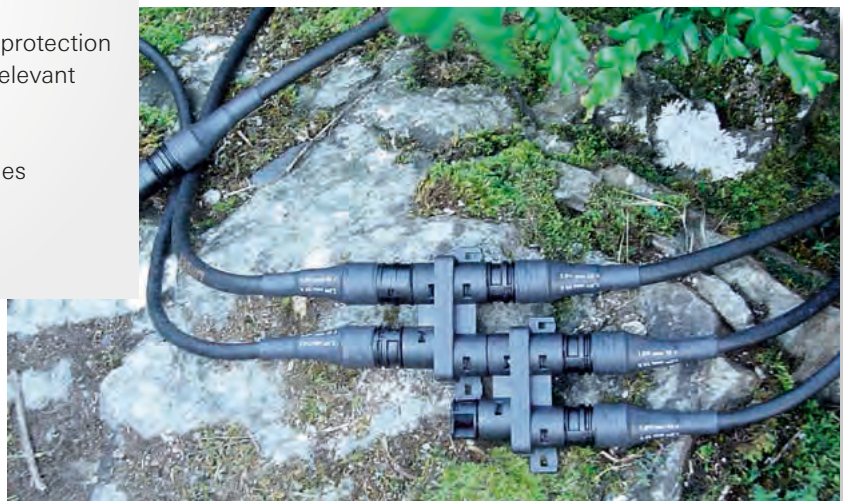
Connectors from Wieland that are type-tested as per EN 61535 can be used in equipment with protection class II meeting pollution degree 2. They fulfill the requirements of protection class II of the next higher overvoltage category for clearances (6 kV).

Assembly parts have to provide contact protection for double or reinforced insulation. The relevant technical standards must be observed.

We recommend using the product families GST18®, GST15, RST20 and RST16.



Further information can be found in our White Paper „Installation instructions for outdoor electrical installations“, order no. 0693.1





## ... always the right cable

What is crucial for the durability of your unit is the perfect interaction between the materials used in order to defy the environmental conditions.

While all connectors and distribution units are designed for continuous indoor and outdoor operation, the cables are clearly a different matter. Selection of the appropriate cable plays a major role for continuous operation of the installation.

By default, we offer the low-cost H05VV-F cable, but its field of applications is restricted to indoor areas. This cable is not suitable for outdoor areas and constantly humid or wet rooms! Protection from foreign bodies (IP6X) is at the fore here. Temporary wetness for cleaning purposes, however, is allowed.

Temporary outdoor installations without special demands can be implemented using H07RN-F rubbersheathed cables. However, it is essential to check whether or not any additional action, such as laying inside installation pipes, is required.

**If installations will be directly exposed to environmental influences for some time, the selection of a suitable cable must be discussed with Wieland.**

### PVC cable H05VV-F

Use inside dry rooms,  
not outdoors, not directly in the ground.  
Not UV resistant.

**Minimum bending radius: 4 x outside diameter**  
**Service temperature: 70 °C**



### Rubber-sheathed cable H07RN-F

Use inside dry, and wet rooms, as well as outdoors,  
but not directly in the ground.  
Limited UV resistant..

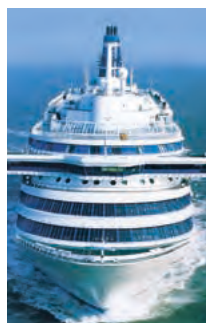
**Minimum bending radius: 4 x outside diameter**  
**Service temperature: 60 °C**



### Rubber-sheathed cable H07RN-F (enhanced version)

Use in dry, humid and wet rooms, as well as outdoors.  
UV and Ozon resistant. Cable halogen-free and flame  
retardant. Laying of the cable not directly in the  
ground.

**Minimum bending radius: 4 x outside diameter**  
**Service temperature: von -50 °C bis +90 °C**



## Part number | page

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| 01.006.1553.0 | 147 | 06.562.8753.0 | 198 | 41.427.0538.8 | 43 | 41.427.4033.9 | 42 |
| 01.006.1553.0 | 175 | 06.563.5053.1 | 44  | 41.427.1030.1 | 42 | 41.427.4034.1 | 43 |
| 01.006.1553.0 | 187 | 06.563.5153.1 | 44  | 41.427.1030.9 | 42 | 41.427.4034.9 | 43 |
| 01.006.1553.1 | 78  | 06.563.8653.0 | 59  | 41.427.1032.4 | 42 | 41.427.4037.4 | 42 |
| 01.006.1553.1 | 101 | 06.563.8653.1 | 59  | 41.427.1032.8 | 42 | 41.427.4037.8 | 42 |
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| 01.006.1553.1 | 147 | 06.563.8753.1 | 59  | 41.427.1033.9 | 42 | 41.427.4038.8 | 43 |
| 01.006.1553.1 | 175 | 06.563.8853.0 | 59  | 41.427.1034.1 | 43 | 41.437.0530.1 | 42 |
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| 02.125.5621.8 | 195 | 06.563.9153.1 | 67  | 41.427.1530.9 | 42 | 41.437.1032.8 | 42 |
| 02.125.5721.8 | 195 | 06.563.9253.0 | 67  | 41.427.1532.4 | 42 | 41.437.1033.1 | 42 |
| 02.125.5821.8 | 195 | 06.563.9253.1 | 67  | 41.427.1532.8 | 42 | 41.437.1034.1 | 43 |
| 02.126.0621.8 | 239 | 06.563.9353.0 | 67  | 41.427.1533.1 | 42 | 41.437.1037.8 | 42 |
| 02.126.0721.8 | 239 | 06.563.9353.1 | 67  | 41.427.1533.9 | 42 | 41.437.1038.8 | 43 |
| 02.126.0821.8 | 239 | 06.600.3627.0 | 199 | 41.427.1534.1 | 43 | 41.437.1530.1 | 42 |
| 02.127.1121.8 | 196 | 06.600.3727.0 | 199 | 41.427.1534.9 | 43 | 41.437.1532.8 | 42 |
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| 02.127.1321.8 | 196 | 06.600.3927.0 | 199 | 41.427.1537.8 | 42 | 41.437.1534.1 | 43 |
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| 05.502.3500.0 | 197 | 41.021.3043.1 | 40  | 41.427.2030.1 | 42 | 41.437.2030.1 | 42 |
| 05.502.3600.0 | 197 | 41.021.3043.9 | 40  | 41.427.2030.9 | 42 | 41.437.2032.8 | 42 |
| 05.544.7800.0 | 194 | 41.021.4041.4 | 41  | 41.427.2032.4 | 42 | 41.437.2033.1 | 42 |
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| 05.545.0321.8 | 195 | 41.022.3043.1 | 40  | 41.427.2037.4 | 42 | 41.437.2533.1 | 42 |
| 05.545.2821.8 | 239 | 41.022.3043.9 | 40  | 41.427.2037.8 | 42 | 41.437.2534.1 | 43 |
| 05.545.2921.8 | 239 | 41.022.4041.4 | 41  | 41.427.2038.4 | 43 | 41.437.2537.8 | 42 |
| 05.545.3021.8 | 239 | 41.022.4041.8 | 41  | 41.427.2038.8 | 43 | 41.437.2538.8 | 43 |
| 05.545.4600.0 | 194 | 41.022.4043.1 | 41  | 41.427.2530.1 | 42 | 41.437.3030.1 | 42 |
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| 05.546.4121.8 | 196 | 41.031.3041.8 | 40  | 41.427.2532.8 | 42 | 41.437.3034.1 | 43 |
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| 05.564.4453.1 | 223 | 41.031.4041.4 | 41  | 41.427.2534.1 | 43 | 41.437.4030.1 | 42 |
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| 05.566.5253.0 | 198 | 41.032.4041.8 | 41  | 41.427.3032.8 | 42 | 46.030.0151.6 | 58 |
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| 05.568.1853.0 | 238 | 41.032.4053.1 | 41  | 41.427.3033.9 | 42 | 46.030.0153.1 | 58 |
| 05.568.8853.0 | 198 | 41.427.0530.1 | 42  | 41.427.3034.1 | 43 | 46.030.0153.9 | 58 |
| 05.568.8853.1 | 198 | 41.427.0530.9 | 42  | 41.427.3034.9 | 43 | 46.030.0154.0 | 58 |
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| 05.583.2900.3 | 198 | 41.427.0532.8 | 42  | 41.427.3037.8 | 42 | 46.030.0154.9 | 58 |
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| 06.562.5853.0 | 58  | 41.427.0534.9 | 43  | 41.427.4030.9 | 42 | 46.030.1251.4 | 58 |

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| 46.030.1253.0 | 58 | 46.050.1253.1 | 66 | 46.422.2008.4 | 55 | 46.432.3034.1 | 55 |
| 46.030.1253.1 | 58 | 46.050.1253.6 | 66 | 46.422.2030.1 | 54 | 46.432.4000.1 | 54 |
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| 46.030.1254.0 | 58 | 46.050.1254.0 | 66 | 46.422.2033.1 | 54 | 46.432.4004.1 | 55 |
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Ergebnisse AC

Einspeisungsergebnisse

|       | Strom [A] | Spg-fall [V] | KS-Strom [p] | KS-Strom [p] |
|-------|-----------|--------------|--------------|--------------|
| A     | 22.63     | 997          | 2.324.10     | 920.85       |
| B     | 26.21     | 1172         | 1.549.55     | 48.74        |
| Summe | 48.84     |              |              |              |

Last Ergebnisse

| LastID | Max [m] | Strom [A] | Spg-fall [V] | KS-Strom [p] | KS-Strom [p] |
|--------|---------|-----------|--------------|--------------|--------------|
| 1      | 1.00    | 16.12     | 887          | 3.546.13     | 1.326.13     |
| 2      | 2.00    | 118.26    | 1.25         | 3.526.82     | 1.383.65     |
| 3      | 3.00    | 36.39     | 1.61         | 3.542.70     | 1.312.75     |
| 4      | 4.00    | 89.56     | 1.86         | 3.479.71     | 1.240.91     |
| 5      | 5.00    | 26.84     | 1.50         | 3.403.52     | 1.271.75     |
| 6      | 6.00    | 24.62     | 1.54         | 3.389.79     | 1.259.62     |
| 7      | 7.00    | 37.60     | 1.96         | 3.374.39     | 1.254.11     |
| 8      | 8.00    | 36.44     | 1.97         | 3.377.76     | 1.245.36     |
| 9      | 9.00    | 2.28      | 1.99         | 3.387.65     | 1.262.47     |
| 10     | 10.00   | 11.53     | 1.27         | 3.436.39     | 1.276.61     |
| 11     | 11.00   | 106.42    | 1.16         | 3.254.83     | 1.213.64     |
| 12     | 12.00   | 88.87     | 1.21         | 2.980.46     | 1.105.33     |
| 13     | 13.00   | 22.79     | 1.26         | 2.214.42     | 1.014.77     |
| 14     | 14.00   | 64.26     | 1.30         | 3.026.84     | 937.80       |
| 15     | 15.00   | 53.00     | 1.23         | 2.226.31     | 975.89       |

Ergebnisse DC

Übersicht

Anschlüsse

Sich zweifelsfrei variabel

Anzahl der Lasten

Anschr. 21

16

21

AC

DC

Wieland

Einpoliger KS-Strom



# Products and systems

## Service and attendance are granted

**Ranging from *smart* installation, automation, safety technology up to terminal blocks and PC board terminals** – Wieland Electric is active in most areas of automation systems and appears as a driving force for innovation within the industry.

In the business segment of building system technology, Wieland Electric with their **gesis®** system is a global market leader in pluggable electric installation – from indoor and outdoor applications up to intelligent building automation.

Wieland accomplish their product portfolio for the users providing workshops for the implementation of new guidelines and standards as well as for the implementation of risk assessments. These services are also offered on a customer-specific basis. In this context, our focus is on application-oriented solutions and competent consulting.

The flexible use of buildings does not only require an appropriate design during construction. The documentation of the installed systems must also meet these requirements.

Documenting the installed components plays a vital role. Wieland creates installation and wiring plans according to your specifications

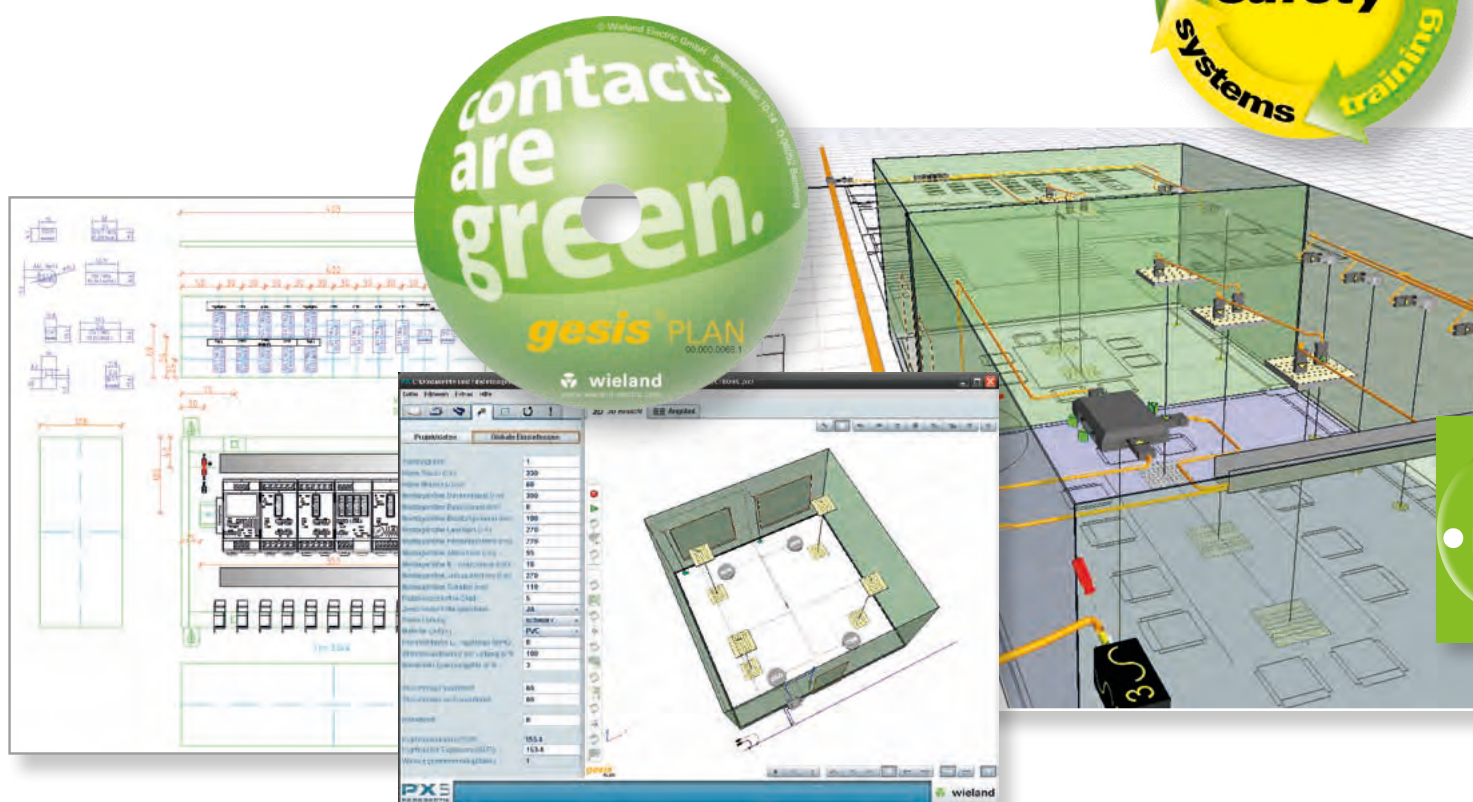
### Service & attendance

Information brochures, planning and calculation tools for order placement or download from our websites complement our portfolio:

- **wieplan** CLICK2BUY – configuration software
- **revos** PLAN – configurator
- **podis**®PLAN – configurator
- **gesis**®PLAN – 3D visualization/calculation/application
- **eShop**
- **Building design**
- **Workshops and support**
- **Wie-Service24**

Online remote maintenance portal for easiest and most secure VPN remote maintenance

This offers planning safety across the entire lifecycle of an installation.







# Wieland at a glance

Our range of products and services for your industry



## Product portfolio

- Electronic and electrical engineering for the control cabinet
- Safety technology
- Network and fieldbus systems
- Energy bus systems for industry and buildings
- Connectors up to protection rating IP6X
- Building automation
- PCB terminals and plug connectors
- Sensor/actuator cabling



## Industries

- Machine building
- Construction machines & cranes
- Buildings and lighting
- Logistics
- Power engineering
- Renewable energy sources
- Heating and air conditioning systems



## Business services

- Pre-assembly and wiring
- Product labeling service
- Integrated solutions in distributors
- Customized solutions
- On-site project support
- Optimization of decentralized, pluggable installation solutions
- Certified machine safety tests



## Safety training

- Software validation
- CSE Certified Safety Engineer
- Basic principles and standards of functional safety
- Modification of old machinery and major changes
- Design of safety functions and calculation with Sistema
- Machinery Directive, liability issues, and CE Declarations of Conformity



## Software/configuration tools

- **wieplan** CLICK2BUY, configuration of terminal strips with online ordering function
- **wieprint**, marking system for DIN rail terminal blocks
- **revos** configurator for connectors
- **gesis**<sup>®</sup>PLAN for building installation
- **podis**<sup>®</sup>PLAN for configuring the **podis**<sup>®</sup> energy bus system
- **samos**<sup>®</sup>PLAN6, programming tool for **samos**<sup>®</sup>PRO COMPACT
- **hmi**PLAN, visualization software for HMI touch panels



## Why Wieland?

- Standardized industrial solutions
- Customized solutions
- Support for your project
- Broad product portfolio
- Products usable worldwide due to international licenses
- Group-wide observance of human rights, including at suppliers
- Eco-friendly production



# Technical consultation

and general information

**Use the Wieland hotline – a phone call is all it takes**

## Industrial automation, electromechanical

Hotline **+49 951 9324-991**  
E-mail **AT.TS@wieland-electric.com**

## Building and installation technology

Hotline **+49 951 9324-996**  
E-mail **BIT.TS@wieland-electric.com**

## Industrial automation, electronics

Hotline **+49 951 9324-995**  
E-mail **AT.TS@wieland-electric.com**

## Safety technology

Hotline **+49 951 9324-999**  
E-mail **safety@wieland-electric.com**



## eShop

**Our products can also be found in our online shop at:**

**[eshop.wieland-electric.com](http://eshop.wieland-electric.com)**



## Info & News

**Contact your local partner in over 70 countries:**

**[www.wieland-electric.com](http://www.wieland-electric.com)**

Headquarters:  
Wieland Electric GmbH  
Brennerstraße 10 – 14  
96052 Bamberg, Germany

Phone +49 951 9324-0  
Fax +49 951 9324-198  
info@wieland-electric.com  
www.wieland-electric.com

## Industrial technology

### Solutions for the control cabinet

- DIN rail terminal blocks
  - Screw, tension spring or push-in connection technology
  - Wire cross sections up to 300 mm<sup>2</sup>
  - Numerous special functions
  - Software solutions interfacing to CAE systems
- Safety
  - Safe signal acquisition
  - Safety switching devices
  - Modular safety modules
  - Compact safety controllers
  - Application consulting and training
- Network engineering and fieldbus systems
  - Remote maintenance via VPN industrial router and VPN service portal
  - Industrial Ethernet switches
  - PLC and I/O systems, standard and increased environmental conditions
- Interface
  - Power supply units
  - Overvoltage protection
  - Coupling relays, semiconductor switches
  - Timer relays, measuring and monitoring relays
  - Analog coupling and converter modules
  - Passive interfaces

### Solutions for field applications

- Decentralized installation and automation technology
  - Electrical installation for wind tower
  - Fieldbus interfaces and motor starters
- Connectors for industrial applications
  - Rectangular and round connectors
  - Aluminium or plastic housings
  - Degree of protection up to IP 69
  - Current-carrying capacity up to 100 A
  - Connectors for hazardous areas
  - Modular, application-specific technology

### PC board terminals and connectors

- Screw or spring clamp connection technology
- Spacings: 2.5 mm to 10.16 mm
- Reflow or wave soldering process

## Building and installation technology

- Building installation systems
  - Main power supply connectors IP 20/IP 65 ... IP 69
  - Bus connectors
  - Low-voltage connectors
  - Power distribution system with flat cables
  - Distribution systems
  - Room automation with KNX, EnOcean, SMI and DALI
  - DIN rail terminal blocks for electrical installations
  - Overvoltage protection