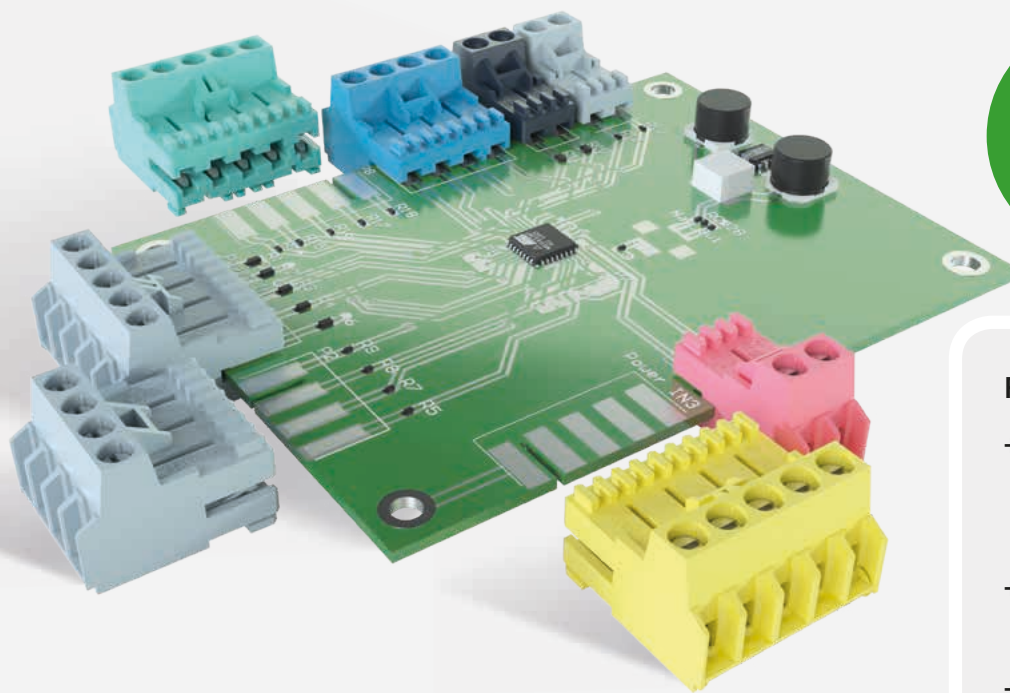


**wiecon®** 8105 DST

# DIRECT PLUG-IN TECHNOLOGY

Connect PCB connectors directly to the board without soldering



OUR  
SERVICE  
—  
SAMPLE  
BOARDS  
FOR YOU!



## FEATURES

- + No headers required – simply plug directly into the circuit board
- + Side by side mounting without loss of poles
- + Uses plastic material especially for DIN EN 60335-1 No Flame, in different colors
- + No entry chamfer necessary on the board, thus the circuit plate becomes more cost-effective
- + Underplug protection prevents plugging mistakes
- + Exchangeable coding inserts enable many coding options

## NEW COMFORTABLE + SPACE-SAVING CONNECTION POSSIBILITY

By using our PCB terminals that can be plugged directly into the PCB, you as a product designer or developer can create added value for your systems. The increasingly compact designs of control units in heating and machine building or in building technology require new solutions.

The direct plug-in technology saves a lot of space, offers safe contacting and, in addition, has a great potential to save time and money, as the pin or male connector can be dispensed with.

No matter which connection technology you prefer or need, our product portfolio offers you the connection components suitable for your application in high-quality design and quality.

We work through and through in a service-oriented manner. Our core competencies include the assembly of connecting cables as well as individual printing. We would also be pleased to support you with individual adaptations for your project - just ask us.



## APPLICATIONS

- Controls for:
  - Heating
  - Buildings
  - Machines
- Home appliances



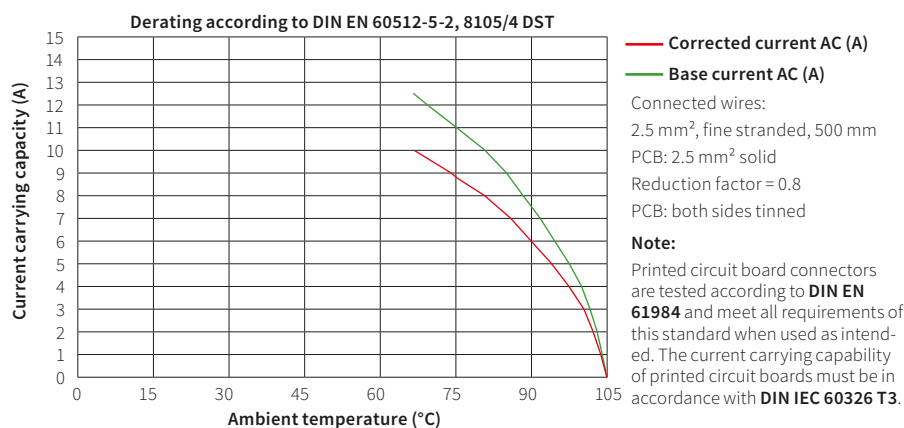
## YOUR BENEFITS

- Simplified purchasing – only 1 component
- No soldering necessary
- Different Circuit board thicknesses possible (1.4 – 1.8 mm)
- Proven clamping yoke connection technology enables multi-wire connections



## ADVANTAGES

- Clamping yoke connection for easy reconnection
- Wide range of colors
- Special printings
- Direct contacting of the circuit board
- Mounting without tools



Poles	Type	T (mm)	G (mm)	Part Nr.
2/5	wiecon® 8105 DST Sample set			99.335.0000.0
2	wiecon® 8105 DST/2	5	10	99.342.0000.0
3	wiecon® 8105 DST/3	10	15	99.343.0000.0
4	wiecon® 8105 DST/4	15	20	99.344.0000.0
5	wiecon® 8105 DST/5	20	25	99.345.0000.0
6	wiecon® 8105 DST/6	25	30	99.346.0000.0
7	wiecon® 8105 DST/7	30	35	99.347.0000.0

## TECHNICAL DATA

Number of poles	2 – 7 poles
For boards with	1.4 – 1.8 mm thickness Galvanic or chemical tinned
Pitch	5 mm
Color	15 colors available
Cross section	
Fine stranded	0.14 mm <sup>2</sup> – 2.5 mm <sup>2</sup>
with ferrule	max. 2.5 mm <sup>2</sup>
Solid	0.14 mm <sup>2</sup> – 4.0 mm <sup>2</sup>
AWG	AWG 26 – 12
Rated current	6 A
Rated insulation voltage III/2	320 V
Contact resistance	< 2.5 mΩ
Operating temperature	-25 °C...+105 °C
Tightening torque	0.5 – 0.7 Nm
Wire strip length	8 <sup>1</sup> mm

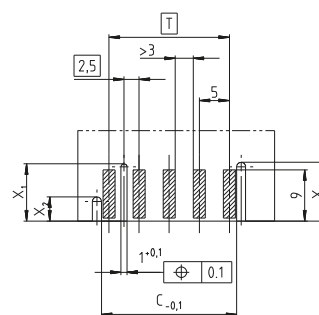
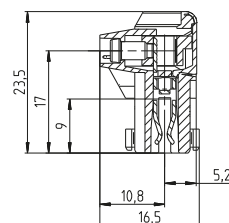
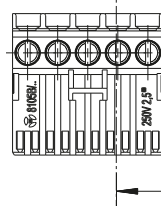
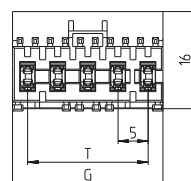
## Materials:

Contact/surface	brass/tin
Screw	steel
Housing	PA, UL-94 V2
Insertion force   pole*	≤ 5N
Pulling force   pole*	≥ 2N

\* measured on board 1.5 mm galvanically tinned



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Coding details  
upon request



Approvals pending

Represented in over 70 countries worldwide:

[www.wieland-electric.com](http://www.wieland-electric.com)