

PCF 5.00/08/135 3.5SN OR BX

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

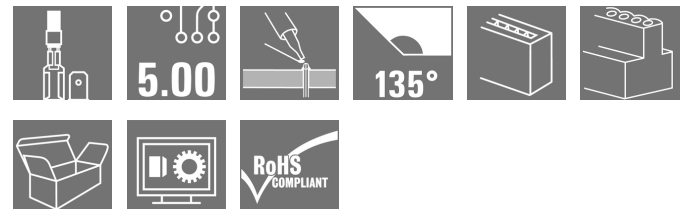
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Product image



Flat-blade connection in 90°, 135° and 180° conductor outlet direction for 6.3 and 2.8 mm spade connector at 5.00 mm pitch

General ordering data

| | |
|--------------|---|
| Version | Printed circuit board terminals, 5.00 mm, Number of poles: 8, 135°, Solder pin length (l): 3.5 mm, tinned, orange, Flat-blade connection, Box |
| Order No. | 9511850000 |
| Type | PCF 5.00/08/135 3.5SN OR BX |
| GTIN (EAN) | 4008190558000 |
| Qty. | 50 pc(s). |
| Product data | IEC: 630 V / 24 A UL: 150 V / 15 A |
| Packaging | Box |

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|-----------------|------------|
| Depth | 9.8 mm | Depth (inches) | 0.386 inch |
| Height | 21.4 mm | Height (inches) | 0.843 inch |
| Height of lowest version | 17.9 mm | Width | 39.8 mm |
| Width (inches) | 1.567 inch | Net weight | 8.6 g |

Temperatures

| | | | |
|-----------------------------|--------|-----------------------------|--------|
| Operating temperature, min. | -50 °C | Operating temperature, max. | 100 °C |
|-----------------------------|--------|-----------------------------|--------|

System parameters

| | | | |
|---------------------------------|-----------------------|--|-----------------------------|
| Product family | PCF | Wire connection method | Flat-blade connection |
| Mounting onto the PCB | THT solder connection | Conductor outlet direction | 135° |
| Pitch in mm (P) | 5 mm | Pitch in inches (P) | 0.197 inch |
| Number of poles | 8 | Pin series quantity | 1 |
| Fitted by customer | No | Number of rows | 1 |
| Solder pin length (l) | 3.5 mm | Solder pin dimensions | 0.8 x 1.0 mm, 0.75 x 0.9 mm |
| Solder eyelet hole diameter (D) | 1.3 mm | Solder eyelet hole diameter tolerance (D) | + 0,1 mm |
| Number of solder pins per pole | 2 | L1 in mm | 35 mm |
| L1 in inches | 1.378 inch | Touch-safe protection acc. to DIN VDE 0470 | IP 00 |
| Protection degree | IP20 | Volume resistance | 1.20 mΩ |

Material data

| | | | |
|---------------------------------------|-----------------------------|---------------------------------------|--------|
| Insulating material | PA | Colour | orange |
| Colour chart (similar) | RAL 2000 | Insulating material group | I |
| Comparative Tracking Index (CTI) | ≥ 600 | UL 94 flammability rating | V-2 |
| Contact material | CuSn | Contact surface | tinned |
| Layer structure of solder connection | 1.5...3 μm Ni / 5...7 μm Sn | Storage temperature, min. | -40 °C |
| Storage temperature, max. | 70 °C | Operating temperature, min. | -50 °C |
| Operating temperature, max. | 100 °C | Temperature range, installation, min. | -25 °C |
| Temperature range, installation, max. | 100 °C | | |

Conductors suitable for connection

| | |
|----------------|---|
| Reference text | Length of ferrules is to be chosen depending on the product and the rated voltage. The outside diameter of the plastic collar should not be larger than the pitch (P) |
|----------------|---|

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Technical data

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24 A

24 A

630 V

250 V

4 kV

4 kV

3 x 1s mit 192 A

Rated data acc. to CSA

Institute (CSA)



Certificate No. (CSA)

12400-282

Rated voltage (Use group B / CSA) 150 V

Rated voltage (Use group D / CSA) 300 V

Rated current (Use group B / CSA) 15 A

Rated current (Use group D / CSA) 10 A

Reference to approval values
Specifications are maximum values, details - see approval certificate.

Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059) 150 V

Rated voltage (Use group D / UL 1059) 300 V

Rated current (Use group B / UL 1059) 15 A

Rated current (Use group D / UL 1059) 10 A

Packing

Packaging Box VPE length 150 mm

VPE width 131 mm VPE height 35 mm

Type tests

Test: Durability of markings

Test

mark of origin, type identification, approval marking UL, approval marking CSA, durability

Evaluation

available

Classifications

ETIM 6.0 EC002643 ETIM 7.0 EC002643

ETIM 8.0 EC002643 ECLASS 9.0 27-44-04-01

ECLASS 9.1 27-44-04-01 ECLASS 10.0 27-44-04-01

ECLASS 11.0 27-46-01-01 ECLASS 12.0 27-46-01-01

Important note

IPC conformity

Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.

Notes

• Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

Creation date March 6, 2023 6:04:04 PM CET

Catalogue status 18.02.2023 / We reserve the right to make technical changes.

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Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[Declaration of the Manufacturer](#)

Engineering Data

[CAD data – STEP](#)

Engineering Data

[WSCAD](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

[FL DRIVES EN](#)
[FL ANALO.SIGN.CONV. EN](#)
[MB DEVICE MANUF. EN](#)
[FL DRIVES DE](#)
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[FL 72H SAMPLE SER EN](#)
[PO OMNIMATE EN](#)

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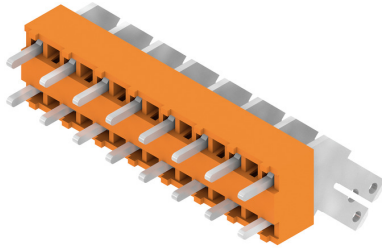
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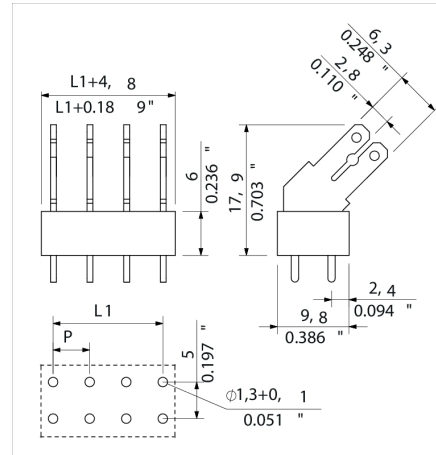
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Drawings

Product image



Dimensional drawing info@weidmueller.com



Recommended wave soldering profiles

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Single Wave:



Double Wave:



Wave soldering profiles

Wired connection elements should be processed in accordance with the DIN EN 61760-1 standard. We have included two recommendations for practical wave soldering profiles, with which Weidmüller PCB terminals and connectors are qualified.

When choosing a suitable profile for your application, the following factors also need to be considered:

- PCB thickness
- Proportion of Cu in the layers
- Single/double-sided assembly
- Product range
- Heating and cooling rates

The single and double wave profiles each indicate the recommended operating range, including the maximum soldering temperature of 260°C. In practice, the maximum soldering temperature is quite often well below the above maximum profile.