

MPS 6/06 S TN B B

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image**SNAP IN** **General ordering data**

| | |
|--------------|---|
| Version | PCB plug-in connector, female plug, Pitch in mm (P): 6.35 mm, Number of poles: 6, 180°, Box |
| Order No. | 8000168135 |
| Type | MPS 6/06 S TN B B |
| GTIN (EAN) | 4099987793117 |
| Qty. | 48 items |
| Product data | IEC: 1000 V / 40.3 A / 0.75 - 6 mm ² UL: 600 V / 30 A / AWG 20 - AWG 10 |
| Packaging | Box |

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 43 mm | Depth (inches) | 1.6929 inch |
| Height | 20.5 mm | Height (inches) | 0.8071 inch |
| Width | 40.9 mm | Width (inches) | 1.6102 inch |
| Net weight | 30.99 g | | |

Material data

| | | | |
|--------------------------------|----------|----------------------------------|----------|
| Insulating material | PBT GF | Colour | black |
| Colour of operational elements | orange | Colour chart (similar) | RAL 9011 |
| Insulating material group | I | Comparative Tracking Index (CTI) | ≥ 600 |
| Moisture Level (MSL) | | UL 94 flammability rating | V-0 |
| Contact material | Cu-alloy | Contact surface | tinned |
| Storage temperature, min. | -25 °C | Storage temperature, max. | 55 °C |
| Operating temperature, min. | -50 °C | Operating temperature, max. | 125 °C |

Conductors suitable for connection

| | | | |
|---|----------------------|---|-------------------|
| Clamping range, min. | 0.5 mm ² | Clamping range, max. | 4 mm ² |
| Solid, min. H05(07) V-U | 0.75 mm ² | Solid, max. H05(07) V-U | 4 mm ² |
| Flexible, min. H05(07) V-K | 0.75 mm ² | Flexible, max. H05(07) V-K | 6 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, 0.5 mm ² min. | | w. plastic collar ferrule, DIN 46228 pt 4, 4 mm ² max. | |
| w. wire end ferrule, DIN 46228 pt 1, 0.75 mm ² min. | | w. wire end ferrule, DIN 46228 pt 1, 4 mm ² max. | |

Rated data acc. to IEC

| | | | |
|---|------------------------|---|--------|
| tested acc. to standard | IEC 60664-1, IEC 61984 | Rated current, min. number of poles (Tu=20°C) | 40.3 A |
| Rated current, max. number of poles (Tu=20°C) | 40.4 A | Rated current, min. number of poles (Tu=40°C) | 36.3 A |
| Rated current, max. number of poles (Tu=40°C) | 36.3 A | Rated voltage for surge voltage class / pollution degree II/2 | 1000 V |
| Rated voltage for surge voltage class / pollution degree III/2 | 1000 V | Rated voltage for surge voltage class / pollution degree III/3 | 800 V |
| Rated impulse voltage for surge voltage class/ pollution degree II/2 | 8 V | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 8 kV |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 8 kV | | |

Rated data acc. to UL 1059

| | | | |
|---------------------------------------|--------|---------------------------------------|--------|
| Rated voltage (Use group B / UL 1059) | 600 V | Rated voltage (Use group C / UL 1059) | 600 V |
| Rated voltage (Use group D / UL 1059) | 600 V | Rated voltage (Use group F / UL 1059) | 1000 V |
| Rated current (Use group B / UL 1059) | 30 A | Rated current (Use group C / UL 1059) | 30 A |
| Rated current (Use group D / UL 1059) | 5 A | Wire cross-section, AWG, min. | AWG 20 |
| Wire cross-section, AWG, max. | AWG 10 | | |

Important note

| | |
|-------|--|
| Notes | <ul style="list-style-type: none"> Rated current related to rated cross-section & min. No. of poles. P on drawing = pitch Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards. Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months |
|-------|--|

Technical data

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002638 | ETIM 9.0 | EC002638 |
| ETIM 10.0 | EC002638 | ECLASS 14.0 | 27-46-02-02 |
| ECLASS 15.0 | 27-46-02-02 | | |

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Drawings

Product image

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Dimensional drawing

