

PRV 8 SW 35X7.5 RT/WS**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

PUSH IN terminal blocks for Signal marshalling (PRV) with up to 16 connection levels are specially designed to meet the requirements for wiring initiator and actuator signals in process control engineering. The optimised design guarantees a space saving of up to 50 percent in the panel. And the unique V-shape of the current bars ensures consistently low contact resistances.

General ordering data

| | |
|------------|---|
| Version | P-series, Patch distributor, Rated cross-section: 1.5 mm ² , Number of levels: 8, Number of connections: 32, Colour: black, Colour of operational elements: red-white, TS 35 x 7.5 |
| Order No. | 1173790000 |
| Type | PRV 8 SW 35X7.5 RT/WS |
| GTIN (EAN) | 4032248966448 |
| Qty. | 20 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 65.5 mm | Depth (inches) | 2.5787 inch |
| Height | 120 mm | Height (inches) | 4.7244 inch |
| Width | 9.2 mm | Width (inches) | 0.3622 inch |
| Net weight | 46.42 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 130 °C |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Material data

| | | | |
|---------------------------|---------------|----------------------------------|-----------|
| Basic material | Polycarbonate | Material of operational elements | PBT |
| Colour | black | Colour of operational elements | red-white |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | PUSH IN connection, One end without connector | End cover plate required | Yes |
| Number of potentials | 8 | Number of levels | 8 |
| Number of clamping points per level | 4 | Number of potentials per tier | 8 |
| Levels cross-connected internally | No | PE connection | No |
| Mounting rail | TS 35 x 7.5 | | |

Additional technical data

| | | | |
|--------------------------|----|------------------|---------|
| Explosion-tested version | No | Type of mounting | Snap-on |
|--------------------------|----|------------------|---------|

CSA rating data

| | | | |
|-------------------------------|--------|-----------------------|----------------|
| Wire cross section max. (CSA) | 16 AWG | Certificate No. (CSA) | 200039-2406089 |
| Voltage size B (CSA) | 300 V | Current size B (CSA) | 10 A |
| Voltage size D (CSA) | 300 V | Current size D (CSA) | 10 A |
| Wire cross section min. (CSA) | 26 AWG | | |

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Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|---------------------|
| Wire connection cross section AWG, max. | AWG 16 | Connection direction | Inclined / angled |
| Stripping length | 10 mm | Type of connection | PUSH IN |
| Number of connections | 32 | Clamping range, max. | 1.5 mm ² |
| Clamping range, min. | 0.13 mm ² | Blade size | 0.6 x 3.5 mm |
| Wire connection cross section AWG, min. | AWG 24 | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm ² | Wire connection cross section, finely stranded, max. | 1.5 mm ² |
| Wire connection cross section, finely stranded, min. | 0.13 mm ² | Connection cross-section, stranded, max. | 1.5 mm ² |
| Connection cross-section, stranded, min. | 0.13 mm ² | Wire connection cross-section, solid core, max. | 1.5 mm ² |
| Wire connection cross-section, solid core, min. | 0.13 mm ² | | |

General

| | | | |
|---|-------------|---|---------------|
| Number of poles | 8 | Wire connection cross section AWG, max. | AWG 16 |
| Wire connection cross section AWG, min. | AWG 24 | Standards | IEC 60947-7-1 |
| Mounting rail | TS 35 x 7.5 | | |

Rating data

| | | | |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section | 1.5 mm ² | Rated voltage | 250 V |
| Rated DC voltage | 250 V | Nominal current | 8 A |
| Current at maximum wires | 10 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.83 mΩ | Rated impulse withstand voltage | 4 kV |
| Power loss in accordance with IEC 60947-7-x | 0.56 W | Surge voltage category | III |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|---------------------------------|--------|-------------------------|--------|
| Voltage size B (cURus) | 300 V | Voltage size D (cURus) | 300 V |
| Wire cross section max. (cURus) | 16 AWG | Certificate No. (cURus) | E60693 |
| Wire cross section min. (cURus) | 26 AWG | Current size B (cURus) | 10 A |
| Current size D (cURus) | 10 A | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-05 |
| ECLASS 15.0 | 27-25-01-05 | | |

Drawings



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Accessories

Cross-connection for socket with PUSH IN connection

Cross-connection for the sockets in the RIDERSERIES RCI.



General ordering data

| | | |
|------------|----------------------------|----------------------------------|
| Type | SRC-I QV P | Version |
| Order No. | 8870840000 | RIDERSERIES RCI, Cross-connector |
| GTIN (EAN) | 4032248631681 | |
| Qty. | 10 ST | |

Accessories



The comprehensive accessories of the Klippon® Connect portfolio are perfectly matched down to the last detail. This facilitates mounting while adhering to required norms

General ordering data

| | | |
|------------|----------------------------|--|
| Type | PAP PRV/PPV8 BL | Version |
| Order No. | 1268000000 | P-series, End plate, blue, 3 mm |
| GTIN (EAN) | 4032248113040 | |
| Qty. | 10 ST | |
| Type | PAP PRV/PPV8 GR | Version |
| Order No. | 1211460000 | P-series, End plate, grey, 3 mm |
| GTIN (EAN) | 4032248113446 | |
| Qty. | 10 ST | |
| Type | PAP PRV/PPV8 SW | Version |
| Order No. | 1173720000 | P-series, End plate, black, 3 mm |
| GTIN (EAN) | 4032248966158 | |
| Qty. | 10 ST | |
| Type | TW PRV8 | Version |
| Order No. | 1173670000 | P-series, Partition plate, grey, 2 mm, Unprinted |
| GTIN (EAN) | 4032248966141 | |
| Qty. | 10 ST | |
| Type | TW PRV8 0-7 | Version |
| Order No. | 1230090000 | P-series, Partition plate, grey, 2 mm, Printed 0-7, horizontally |
| GTIN (EAN) | 4050118013917 | |
| Qty. | 10 ST | |

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Accessories

| | | |
|------------|----------------------------|--|
| Type | TW PRV8 1-8 | Version |
| Order No. | 1230080000 | P-series, Partition plate, grey, 2 mm, Printed 1-8, horizontally |
| GTIN (EAN) | 4050118013740 | |
| Qty. | 10 ST | |
| Type | TW PRV8 A-H | Version |
| Order No. | 1230110000 | P-series, Partition plate, grey, 2 mm, Printed A-H, horizontally |
| GTIN (EAN) | 4050118013900 | |
| Qty. | 10 ST | |

End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | ZEW 35/2 SW | Version |
| Order No. | 1162610000 | End bracket, black, TS 35, V-2, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4032248962716 | |
| Qty. | 20 ST | |

Accessories



The comprehensive accessories of the Klippon® Connect portfolio are perfectly matched down to the last detail. This facilitates mounting while adhering to required norms

General ordering data

| | | |
|------------|----------------------------|--|
| Type | BZT PRV8 BL 35X7.5 | Version |
| Order No. | 1267970000 | P-series, Marker holder, blue, Number of levels: 8, TS 35 x 7.5 |
| GTIN (EAN) | 4032248113293 | |
| Qty. | 20 ST | |
| Type | BZT PRV8 SW 35X7.5 | Version |
| Order No. | 1173580000 | P-series, Marker holder, black, Number of levels: 8, TS 35 x 7.5 |
| GTIN (EAN) | 4032248966110 | |
| Qty. | 20 ST | |

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Accessories

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | WS 7.8/9.2 PLUS MC NE GR | Version |
| Order No. | 1208970000 | WS, Terminal marker, 7.8 x 9.2 mm, Pitch in mm (P): 9.20 |
| GTIN (EAN) | 4032248990092 | Weidmueller, grey |
| Qty. | 360 ST | |

Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

| | | |
|------------|----------------------------|----------------------------|
| Type | BZT 1 WS 10/5 | Version |
| Order No. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 ST | |
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 ST | |

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Accessories

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | SDS 0.4X2.0X60 | Version | |
| Order No. | 2749260000 | Screwdriver, Blade width (B): 2 mm, Blade length: 60 mm, Blade thickness (A): 0.4 mm | |
| GTIN (EAN) | 4050118895537 | | |
| Qty. | 1 ST | | |