

PRV 16 BL 35X7.5 WS/RT**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: 16, Number of connections: 64, Colour: blue, Colour of operational elements: white-red, TS 35 x 7.5 |
| Order No. | 1267820000 |
| Type | PRV 16 BL 35X7.5 WS/RT |
| GTIN (EAN) | 4032248112715 |
| Qty. | 20 pc(s). |

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| | | | |
|------------|---------|-----------------|------------|
| Depth | 106 mm | Depth (inches) | 4.173 inch |
| Height | 225 mm | Height (inches) | 8.858 inch |
| Width | 9.2 mm | Width (inches) | 0.362 inch |
| Net weight | 121.3 g | | |

Temperatures

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

Material data

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

System specifications

| | | | |
|-------------------------------|---|-------------------------------------|-------------|
| Version | PUSH IN connection, One end without connector | End cover plate required | Yes |
| Number of levels | 16 | Number of clamping points per level | 4 |
| Number of potentials per tier | 16 | Levels cross-connected internally | No |
| PE connection | No | Rail | TS 35 x 7.5 |

Additional technical data

| | |
|------------------|---------|
| Type of mounting | Snap-on |
|------------------|---------|

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-2406089 | Current size B (CSA) | 1 A |
| Current size D (CSA) | 1 A | Voltage size B (CSA) | 300 V |
| Voltage size D (CSA) | 300 V | Wire cross section max. (CSA) | 16 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

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Technical data

Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|---------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 1.5 mm ² |
| Clamping range, min. | 0.13 mm ² | Connection cross-section, stranded, max. | 1.5 mm ² |
| Connection cross-section, stranded, min. | 0.5 mm ² | Connection direction | Inclined / angled |
| Number of connections | 64 | Stripping length | 10 mm |
| Type of connection | PUSH IN | Wire connection cross section AWG, max. | AWG 16 |
| Wire connection cross section AWG, min. | AWG 24 | Wire connection cross section, finely stranded, max. | 1.5 mm ² |
| Wire connection cross section, finely stranded, min. | 0.5 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. | 0.5 mm ² | 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. | 0.5 mm ² | Wire connection cross-section, solid core, max. | 1.5 mm ² |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

General

| | | | |
|---|-------------|---|-----------------------------|
| Rail | TS 35 x 7.5 | Standards | IEC 60947-7-1, DIN EN 60079 |
| Wire connection cross section AWG, max. | AWG 16 | Wire connection cross section AWG, min. | AWG 24 |

Rating data

| | | | |
|---------------------------------|-----------------------------|--|---------|
| Rated cross-section | 1.5 mm ² | Rated voltage | 250 V |
| Rated current | 6 A | Current at maximum wires | 11 A |
| Standards | IEC 60947-7-1, DIN EN 60079 | 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 |
| Pollution severity | 3 | Surge voltage category | III |

UL rating data

| | | | |
|---------------------------------|--------|---------------------------------|--------|
| Certificate No. (cURus) | E60693 | Current size B (cURus) | 1 A |
| Current size D (cURus) | 1 A | Voltage size B (cURus) | 300 V |
| Voltage size D (cURus) | 300 V | Wire cross section max. (cURus) | 16 AWG |
| Wire cross section min. (cURus) | 26 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ECLASS 9.0 | 27-14-11-20 | ECLASS 9.1 | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |
| ECLASS 12.0 | 27-14-11-20 | ECLASS 13.0 | 27-25-01-05 |

Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | / |
|------------|---|

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Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| User Documentation | Beipackzettel_PRV_PPV.pdf Usage of terminals in EXi atmospheres StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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Drawings



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Accessories**W-Series**

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 | WEW 35/1 SW | Version |
| Order No. | 1162600000 | End bracket, Wemid, black, Rail: TS 35, when screwed in |
| GTIN (EAN) | 4032248972630 | |
| Qty. | 50 pc(s). | |

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 pc(s). | |

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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 pc(s). | |

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 pc(s). | |

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

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Accessories

Marking holder



The marker holder offer the possibility of additional marker mounting. Depending on the design, the respective levels of the PRV and PPV terminal blocks can be labeled with the corresponding marker.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | BZT PRV16 BL 35X7.5 | Version |
| Order No. | 1267940000 | P-series, Marker holder, blue, Number of levels: 16, TS 35 x 7.5 |
| GTIN (EAN) | 4032248112838 | |
| Qty. | 20 pc(s). | |
| Type | BZT PRV16 SW 35X7.5 | Version |
| Order No. | 1173550000 | P-series, Marker holder, black, Number of levels: 16, TS 35 x 7.5 |
| GTIN (EAN) | 4032248966219 | |
| Qty. | 20 pc(s). | |

Partition plates



A partition plate is used for the optical separation of circuits or used for electrical isolation from neighbouring cross-connectors. In contrast to the end plate, the contour can be larger than the adjacent terminal blocks. However, it should not be smaller, as otherwise the required clearance and creepage distances within the application can no longer be maintained.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | TW PRV16 | Version |
| Order No. | 1173630000 | P-series, Partition plate, grey, 2 mm, Unprinted |
| GTIN (EAN) | 4032248966127 | |
| Qty. | 10 pc(s). | |
| Type | TW PRV16 0-15 | Version |
| Order No. | 1230130000 | P-series, Partition plate, grey, 2 mm, Printed 0-15, horizontally |
| GTIN (EAN) | 4050118013825 | |
| Qty. | 10 pc(s). | |
| Type | TW PRV16 A-P | Version |
| Order No. | 1230140000 | P-series, Partition plate, grey, 2 mm, Printed A-P, horizontally |
| GTIN (EAN) | 4050118013757 | |
| Qty. | 10 pc(s). | |
| Type | TW PRV16 1-16 | Version |
| Order No. | 1230120000 | P-series, Partition plate, grey, 2 mm, Printed 1-16, horizontally |
| GTIN (EAN) | 4050118013924 | |
| Qty. | 10 pc(s). | |

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www.weidmueller.com**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 |
| GTIN (EAN) | 4050118895537 | thickness (A): 0.4 mm |
| Qty. | 1 pc(s). | |