

**PPV 4 GR 35X7.5 DGR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

The potential distribution terminal blocks PPV offer the possibility of wiring up to 32 conductors of one potential on only one terminal block. 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, Potential distributor, Rated cross-section: 1.5 mm <sup>2</sup> , Number of levels: 4, Number of connections: 16, Colour: grey |
| Order No.  | <a href="#">1173890000</a>   |
| Type       | PPV 4 GR 35X7.5 DGR  |
| GTIN (EAN) | 4032248966257  |
| Qty.       | 20 pc(s).  |

Creation date July 4, 2023 5:21:21 AM CEST

Catalogue status 24.06.2023 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 47 mm   | Depth (inches)  | 1.85 inch  |
| Height     | 70 mm   | Height (inches) | 2.756 inch |
| Width      | 9.2 mm  | Width (inches)  | 0.362 inch |
| Net weight | 21.95 g |                 |            |

### Temperatures

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

### Material data

|          |               |                                  |     |
|----------|---------------|----------------------------------|-----|
| Material | Polycarbonate | Material of operational elements | PBT |
| Colour   | grey          | UL 94 flammability rating        | V-0 |

### System specifications

|                                     |  |                               |     |
|-------------------------------------|--|-------------------------------|-----|
| Version                             | PUSH IN connection,<br>Vertically cross-connected,<br>One end without<br>connector | End cover plate required      | Yes |
| Number of potentials                | 1  | Number of levels              | 4   |
| Number of clamping points per level | 4  | Number of potentials per tier | 1   |
| Levels cross-connected internally   | Yes  | PE connection                 | No  |
| Rail                                | TS 35 x 7.5  | N-function                    | No  |
| PE function                         | No   | PEN function                  | No  |

### Additional technical data

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

### CSA rating data

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-2406089 | Current size B (CSA)          | 10 A   |
| Current size D (CSA)          | 10 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 <sup>2</sup> |
| Clamping range, min.  | 0.13 mm <sup>2</sup> | Connection cross-section, stranded, max.  | 1.5 mm <sup>2</sup> |
| Connection cross-section, stranded, min.  | 0.5 mm <sup>2</sup>  | Connection direction  | Inclined / angled   |
| Number of connections   | 16                   | 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 <sup>2</sup> |
| Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>  | Wire connection cross-section, solid core, max.   | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup>  |   |                     |

### General

|   |                             |   |             |
|---|-----------------------------|---|-------------|
| Number of poles                         | 4                           | 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 <sup>2</sup> | Rated voltage                   | 250 V                       |
| Rated current                                | 17.5 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 | Conductor size Factory wiring max. (cURus) | 16 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus)   | 16 AWG |
| Conductor size Field wiring min. (cURus)   | 26 AWG | Current size B (cURus)                     | 10 A   |
| Current size D (cURus)                     | 10 A   | Voltage size B (cURus)                     | 300 V  |
| Voltage size D (cURus)                     | 300 V  |  |        |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | 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 |

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**Technical data**

**Approvals**

Approvals



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

**Downloads**

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| Engineering Data                            | <a href="#">WSCAD, Zuken E3.S, EPLAN</a>   |
| User Documentation                          | <a href="#">Beipackzettel_PRV_PPV.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a>   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |
| Brochures                                   |  |

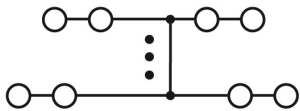
**Data sheet**

**PPV 4 GR 35X7.5 DGR**

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**Drawings**



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# Accessories

## End plates



To ensure the finger safety and the compliance to the required clearance and creepage distances, an end plate has to be placed at the end of a plug.

### General ordering data

|            |                            |                                  |
|------------|----------------------------|----------------------------------|
| Type       | PAP PRV/PPV4 BL            | Version                          |
| Order No.  | <a href="#">1268010000</a> | P-series, End plate, blue, 3 mm  |
| GTIN (EAN) | 4032248112999              |                                  |
| Qty.       | 10 pc(s).                  |                                  |
| Type       | PAP PRV/PPV4 SW            | Version                          |
| Order No.  | <a href="#">1173750000</a> | P-series, End plate, black, 3 mm |
| GTIN (EAN) | 4032248966165              |                                  |
| Qty.       | 10 pc(s).                  |                                  |
| Type       | PAP PRV/PPV4 GR            | Version                          |
| Order No.  | <a href="#">1211450000</a> | P-series, End plate, grey, 3 mm  |
| GTIN (EAN) | 4032248992867              |                                  |
| Qty.       | 10 pc(s).                  |                                  |

## 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.  | <a href="#">1208970000</a> | WS, Terminal marker, 7.8 x 9.2 mm, Pitch in mm (P): 9.20 |
| GTIN (EAN) | 4032248990092              | Weidmueller, grey  |
| Qty.       | 360 pc(s).                 |  |

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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.  | <a href="#">2749260000</a> | Screwdriver, Blade width (B): 2 mm, Blade length: 60 mm, Blade thickness (A): 0.4 mm |  |
| GTIN (EAN) | 4050118895537              |  |  |
| Qty.       | 1 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 PRV4 A-D                | Version  |  |
|------------|----------------------------|--|--|
| Order No.  | <a href="#">1230070000</a> | P-series, Partition plate, grey, 2 mm, Printed A-D, horizontally |  |
| GTIN (EAN) | 4050118013764              |  |  |
| Qty.       | 10 pc(s).                  |  |  |
| Type       | TW PRV4 1-4                | Version  |  |
| Order No.  | <a href="#">1230050000</a> | P-series, Partition plate, grey, 2 mm, Printed 1-4, horizontally |  |
| GTIN (EAN) | 4050118013818              |  |  |
| Qty.       | 10 pc(s).                  |  |  |
| Type       | TW PRV4                    | Version  |  |
| Order No.  | <a href="#">1173700000</a> | P-series, Partition plate, grey, 2 mm, Unprinted                 |  |
| GTIN (EAN) | 4032248966134              |  |  |
| Qty.       | 10 pc(s).                  |  |  |
| Type       | TW PRV4 0-3                | Version  |  |
| Order No.  | <a href="#">1230060000</a> | P-series, Partition plate, grey, 2 mm, Printed 0-3, horizontally |  |
| GTIN (EAN) | 4050118013733              |  |  |
| Qty.       | 10 pc(s).                  |  |  |

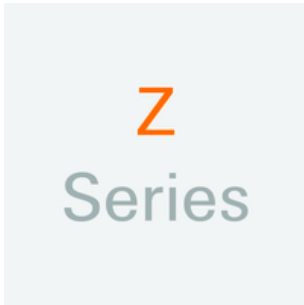
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**Accessories**

**Z-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       | ZEW 35/2 SW                | Version               |
| Order No.  | <a href="#">1162610000</a> | Z-series, End bracket |
| GTIN (EAN) | 4032248962716              |                       |
| Qty.       | 20 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.  | <a href="#">8870840000</a> | RIDERSERIES RCI, Cross-connector |
| GTIN (EAN) | 4032248631681              |                                  |
| Qty.       | 10 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 PRV4 BL 35X7.5         | Version  |
| Order No.  | <a href="#">1267990000</a> | P-series, Marker holder, blue, Number of levels: 4, TS 35 x 7.5  |
| GTIN (EAN) | 4032248112913              |  |
| Qty.       | 20 pc(s).                  |  |
| Type       | BZT PRV4 SW 35X7.5         | Version  |
| Order No.  | <a href="#">1173600000</a> | P-series, Marker holder, black, Number of levels: 4, TS 35 x 7.5 |
| GTIN (EAN) | 4032248966226              |  |
| Qty.       | 20 pc(s).                  |  |