

**P-series  
PPV 8 GR 35X7.5 DGR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

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www.weidmueller.com

**Product image**

Save space by connecting with these multi-tier terminals with PUSH IN connection technology.

The product line includes the four-channel, eight-channel and also the innovative sixteen-channel feed-through terminal blocks. The four-channel and eight-channel terminals are also available as potential distribution terminals.

The benefits:

- More than 1700 signals per metre can be distributed with the 16-channel terminal block.
- Red and white actuators make it easier to assign wires to their terminal points.
- The PUSH IN connections make wiring quick and convenient.

**General ordering data**

| Type       | PPV 8 GR 35X7.5 DGR                                                                                                                           |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.  | <a href="#">1173870000</a>                                                                                                                    |
| Version    | P-series, Potential distributor, Rated cross-section: 1.5 mm <sup>2</sup> , Number of levels: 8, Number of connections: 32, Colour code: grey |
| GTIN (EAN) | 4032248966417                                                                                                                                 |
| Qty.       | 20 pc(s).                                                                                                                                     |

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**Technical data**
**Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 9.2 mm  | Width (inches)  | 0.362 inch |
| Height     | 120 mm  | Height (inches) | 4.724 inch |
| Depth      | 65.5 mm | Depth (inches)  | 2.579 inch |
| Net weight | 47.89 g |                 |            |

**Temperatures**

|                                       |                |                                       |        |
|---------------------------------------|----------------|---------------------------------------|--------|
| Storage temperature, max.             | 70 °C          | Storage temperature, min.             | -25 °C |
| Storage temperature                   | -25 °C...70 °C | Temperature range, installation, min. | -10 °C |
| Continuous operating temp., min.      | -50 °C         | Continuous operating temp., max.      | 130 °C |
| Temperature range, installation, max. | 40 °C          |                                       |        |

**Material data**

|             |               |                                  |     |
|-------------|---------------|----------------------------------|-----|
| Material    | Polycarbonate | Material of operational elements | PBT |
| Colour code | 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 levels              | 8                                                                                  | No. 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 |

**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                                                                   | 32                   | 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 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, finely stranded, 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>  |                                                                                         |                     |

### 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 |
| Volume resistance according to IEC 60947-7-x | 1.83 mΩ             | Rated impulse withstand voltage | 4 kV          |
| 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 5.0   | EC000897    | ETIM 6.0   | EC000897    |
| eClass 6.2 | 27-14-11-20 | eClass 7.1 | 27-14-11-20 |
| eClass 8.1 | 27-14-11-24 | eClass 9.0 | 27-14-11-20 |
| eClass 9.1 | 27-14-11-20 |            |             |

### Product information

|                                |                           |
|--------------------------------|---------------------------|
| Descriptive text ordering data | DGR = dark grey actuators |
|--------------------------------|---------------------------|

### Approvals

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

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Catalogue status 15.02.2019 / We reserve the right to make technical changes.

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## Technical data

### Downloads

|                                             |                                                    |
|---------------------------------------------|----------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">DE_PT1441_20160418_302_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                |
| Engineering Data                            | <a href="#">WSCAD, Zuken E3.S</a>                  |
| Engineering Data                            | <a href="#">STEP</a>                               |
| User Documentation                          | <a href="#">Beipackzettel_PRV_PPV.pdf</a>          |

### Safety note

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|

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## Drawings

