

**WPD 108 1X120/2X35+3X25+4X16 GY**

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

www.weidmueller.com

**Product image**

Our WPD 1XX distribution blocks are used in all situations where power is supplied and distributed. Their user-friendly design creates a better overview and enables Rapid, efficient implementation of space-saving power distribution.

**General ordering data**

|            |   |
|------------|---|
| Version    | Potential distributor terminal, Screw connection, Light Grey, 120 mm <sup>2</sup> , 400 A, 1000 V, Number of connections: 10, Number of levels: 1 |
| Order No.  | <a href="#">1562100000</a>  |
| Type       | WPD 108 1X120/2X35+3X25+4X16 GY   |
| GTIN (EAN) | 4050118385205   |
| Qty.       | 1 items   |

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## Technical data

### Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E60693                     |

### Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 77 mm   | Depth (inches)  | 3.0315 inch |
| Height     | 95 mm   | Height (inches) | 3.7401 inch |
| Width      | 51.1 mm | Width (inches)  | 2.0118 inch |
| Net weight | 480 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 with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2 |

### Material data

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Basic material            | Wemid | Colour | Light Grey |
| UL 94 flammability rating | V-0   |        |            |

### Rating data IECEx/ATEX

|                                |                     |                         |                   |
|--------------------------------|---------------------|-------------------------|-------------------|
| Certificate No. (ATEX)         | CNEX16ATEX0005U     | Certificate No. (IECEX) | IECEXCNEX16.0005U |
| Max. voltage (ATEX)            | 1100 V              | Current (ATEX)          | 250 A             |
| Wire cross section max. (ATEX) | 120 mm <sup>2</sup> | Max. voltage (IECEX)    | 1100 V            |
| Current (IECEX)                | 250 A               |                         |                   |

### System specifications

|                                     |                       |                               |     |
|-------------------------------------|-----------------------|-------------------------------|-----|
| Version                             | Screw connection      | End cover plate required      | No  |
| Number of potentials                | 1                     | Number of levels              | 1   |
| Number of clamping points per level | 2                     | Number of potentials per tier | 1   |
| Levels cross-connected internally   | Yes                   | PE connection                 | No  |
| Mounting rail                       | Mounting plate, TS 35 | N-function                    | Yes |
| PE function                         | No                    | PEN function                  | No  |

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**Technical data**

**Additional technical data**

|                          |        |                     |                                |
|--------------------------|--------|---------------------|--------------------------------|
| Open sides               | closed | Installation advice | Terminal rail / mounting plate |
| Explosion-tested version | Yes    | Type of mounting    | Snap-on                        |

**CSA rating data**

|                             |          |
|-----------------------------|----------|
| Certificate number (cCSAus) | 70128467 |
|-----------------------------|----------|

**Conductors for clamping (additional connection)**

|  |                  |
|--|------------------|
| Connection type, additional connection | Screw connection |
|--|------------------|

**Conductors for clamping (rated connection)**

|   |                     |   |                     |
|---|---------------------|---|---------------------|
| Wire connection cross section AWG, max.   | kcmil 250           | Connection direction  | on side             |
| Type of connection 2  | Screw connection    | Type of connection  | Screw connection    |
| Number of connections   | 10                  | Clamping range, max.  | 120 mm <sup>2</sup> |
| Clamping range, min.  | 1.5 mm <sup>2</sup> | Wire connection cross section AWG, min.   | AWG 16              |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 95 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                    | 0 mm <sup>2</sup>   |
| Wire connection cross section, finely stranded, min.                                    | 1.5 mm <sup>2</sup> | Connection cross-section, stranded, max.  | 120 mm <sup>2</sup> |
| Connection cross-section, stranded, min.  | 1.5 mm <sup>2</sup> | Wire connection cross-section, solid core, max.   | 120 mm <sup>2</sup> |
| Wire connection cross-section, solid core, min.   | 1.5 mm <sup>2</sup> |   |                     |

**General**

|                     |                                |   |                       |
|---------------------|--------------------------------|---|-----------------------|
| Number of poles     | 1                              | Wire connection cross section AWG, max. | kcmil 250             |
| Installation advice | Terminal rail / mounting plate | Wire connection cross section AWG, min. | AWG 16                |
| Standards           | IEC 60947-7-1, UL 1059         | Mounting rail                           | Mounting plate, TS 35 |

**Rating data**

|                     |                        |   |        |
|---------------------|------------------------|---|--------|
| Rated cross-section | 120 mm <sup>2</sup>    | Rated voltage                               | 1000 V |
| Rated AC voltage    | 1000 V                 | Rated DC voltage                            | 1500 V |
| Nominal current     | 400 A                  | Current at maximum wires                    | 400 A  |
| Standards           | IEC 60947-7-1, UL 1059 | Power loss in accordance with IEC 60947-7-x | 4.00 W |

**UL rating data**

|                         |        |
|-------------------------|--------|
| Certificate No. (cURus) | E60693 |
|-------------------------|--------|

**Important note**

|                     |  |
|---------------------|--|
| Product information | The socket complies with flammability class V-2 according to UL94. |
|---------------------|--|

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**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | EC000897    | ECLASS 14.0 | 27-25-01-19 |
| ECLASS 15.0 | 27-25-01-19 |             |             |

