

**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    | W-Series, Distribution block, Rated cross-section:<br>Screw connection, Terminal rail / mounting plate |
| Order No.  | <a href="#">1562100000</a>   |
| Type       | WPD 108 1X120/2X35+3X25+4X16 GY  |
| GTIN (EAN) | 4050118385205  |
| Qty.       | 1 pc(s).   |

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Catalogue status 23.09.2022 / We reserve the right to make technical changes.

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

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 77 mm   | Depth (inches)  | 3.031 inch |
| Height     | 95 mm   | Height (inches) | 3.74 inch  |
| Width      | 51.1 mm | Width (inches)  | 2.012 inch |
| Net weight | 480 g   |                 |            |

**Temperatures**

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

**Environmental Product Compliance**

|            |                |      |                                   |
|------------|----------------|------|-----------------------------------|
| REACH SVHC | Lead 7439-92-1 | SCIP | 9b5f0838-1f0b-4c14-9fc7-3f5e6ee75 |
|------------|----------------|------|-----------------------------------|

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| 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  |
| Rail                                | Mounting plate, TS 35 | N-function                    | Yes |
| PE function                         | No                    | PEN function                  | No  |

**Additional technical data**

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

**CSA rating data**

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

**Conductors for clamping (rated connection)**

|                      |         |                    |                  |
|----------------------|---------|--------------------|------------------|
| Connection direction | on side | Type of connection | Screw connection |
|----------------------|---------|--------------------|------------------|

**General**

|                     |                                |                 |                        |
|---------------------|--------------------------------|-----------------|------------------------|
| Installation advice | Terminal rail / mounting plate | Number of poles | 1                      |
| Rail                | Mounting plate, TS 35          | Standards       | IEC 60947-7-1, UL 1059 |

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## Technical data

### Rating data

|                  |                        |                  |            |
|------------------|------------------------|------------------|------------|
| Rated voltage    | 1,000 V                | Rated AC voltage | 1,000 V AC |
| Rated DC voltage | 1,500 V DC             | Rated current    | 400 A      |
| Standards        | IEC 60947-7-1, UL 1059 |                  |            |

### UL rating data

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

### 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 |

### Important note

|                     |  |
|---------------------|--|
| Product information | Power distribution block (Bus Bar) also usable for distribution of neutral conductor and function earth. |
|---------------------|--|

### Approvals

Approvals



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

### Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">UKCA Ex Attestation of Conformity</a><br><a href="#">CB Certificate</a><br><a href="#">ATEX Certificate</a><br><a href="#">IECEx Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">EAC EX Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">DNV Certificate</a><br><a href="#">UKCA Ex Certificate</a><br><a href="#">CE 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="#">EPLAN, WSCAD</a>   |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">DATA SHEET WPD 108</a><br><a href="#">NTI WDP 108</a>   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |
| Brochures                                   |  |

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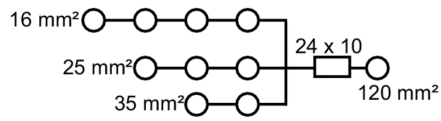
**Data sheet**

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

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**Drawings**



**Power distribution**  
**Screw connection**

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



**WPD 108** 120 mm<sup>2</sup>



|                               |                   |
|-------------------------------|-------------------|
| Width / Height / Depth        | mm                |
| max. current / max. conductor | A/mm <sup>2</sup> |
| max. clamping range           | mm <sup>2</sup>   |

|                |  |
|----------------|--|
| 51.1 / 77 / 95 |  |
| 269 / 120      |  |
| 25...120       |  |

**Technical data**

| Rated data   |                     |                 |
|--|---------------------|-----------------|
| Rated voltage  |                     | V               |
| Rated current  |                     | A               |
| for wire cross-section                               | 120 mm <sup>2</sup> | mm <sup>2</sup> |
| Rated impulse withstand voltage / Pollution severity |                     |                 |
| Overvoltage category / UL 94 flammability rating     |                     |                 |
| Approvals  |                     |                 |
| Clamped conductors (H05V/H07V)                       |                     |                 |
| Solid / Stranded                                     | 120 mm <sup>2</sup> | mm <sup>2</sup> |
|  | 35 mm <sup>2</sup>  | mm <sup>2</sup> |
|  | 25 mm <sup>2</sup>  | mm <sup>2</sup> |
|  | 16 mm <sup>2</sup>  | mm <sup>2</sup> |
| Flexible with ferrule                                | 120 mm <sup>2</sup> | mm <sup>2</sup> |
|  | 35 mm <sup>2</sup>  | mm <sup>2</sup> |
|  | 25 mm <sup>2</sup>  | mm <sup>2</sup> |
|  | 16 mm <sup>2</sup>  | mm <sup>2</sup> |
| Stripping length / Blade size                        | 120 mm <sup>2</sup> | mm/-            |
|  | 35 mm <sup>2</sup>  | mm/-            |
|  | 25 mm <sup>2</sup>  | mm <sup>2</sup> |
|  | 16 mm <sup>2</sup>  | mm <sup>2</sup> |
| Tightening torque                                    |                     | Nm              |
| <b>Note</b>  |                     |                 |

**IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)**

| IEC       | UL                | CSA               | EN 60079-7 |
|-----------|-------------------|-------------------|------------|
| 1000      | 600               | 600               | 880        |
| 269       | 250               | 255               | 250        |
| 120       | AWG 4...kcmil 250 | AWG 4...kcmil 250 | 120        |
| 8 kV / 3  |                   |                   |            |
| III / V-0 |                   |                   |            |

**Rated connection**

|                     |
|---------------------|
| 35...120 / 35...120 |
| 4...35 / 4...35     |
| 2.5...25 / 2.5...25 |
| 1.5...16 / 1.5...16 |
| 25...95             |
| 2.5...25            |
| 1.5...16            |
| 1.5...10            |
| 27 / M14            |
| 18 / M8             |
| 12 / M6             |
| 12 / M6             |

see appendix at the end of the chapter



**Ordering data**

| Version |  |
|---------|--|
| grey    |  |
| blue    |  |
| red     |  |
| black   |  |

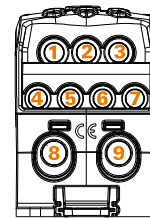
**Note**

| Type                            | Qty. | Order No.  |
|---------------------------------|------|------------|
| WPD 108 1x120/2x35+3x25+4x16 GY | 1    | 1562100000 |
| WPD 108 1x120/2x35+3x25+4x16 BL | 1    | 2519480000 |
| WPD 108 1x120/2x35+3x25+4x16 RD | 1    | 2725280000 |
| WPD 108 1x120/2x35+3x25+4x16 BK | 1    | 2725380000 |

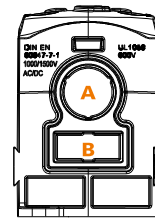
**Accessories**

| Cross connection |  |
|------------------|--|
| 2-pole           |  |
| End bracket      |  |
| dark beige       |  |
| dark beige       |  |
| Screwdriver      |  |
| SET              |  |

| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| WQB WPD X08-09/2  | 20   | 1561900000 |
| WEW 35/2          | 100  | 1061200000 |
| AEB 35 SC/1       | 50   | 1991920000 |
| SDK PZ2 X 100     | 1    | 2749450000 |
| SK WSD-S 1,5-10,0 | 1    | 9008850000 |



output

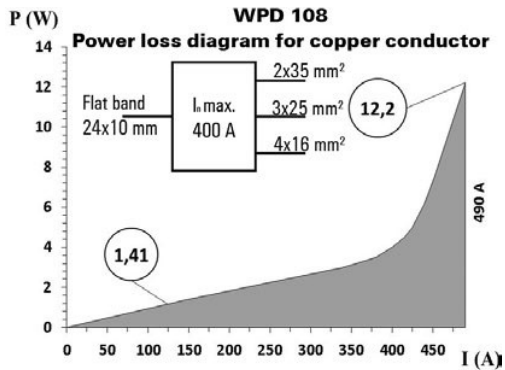


input

Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

| Input               | connection point A |       |            |         | CP** B |
|---------------------|--------------------|-------|------------|---------|--------|
|                     | Copper             |       | Aluminium* |         | Copper |
| 120 mm <sup>2</sup> |                    |       |            |         |        |
| 95 mm <sup>2</sup>  | 19 Nm              | 19 Nm | 22,6 Nm    | 22,6 Nm | 3 Nm   |
| 70 mm <sup>2</sup>  |                    |       |            |         |        |
| 50 mm <sup>2</sup>  |                    |       |            |         |        |
| 35 mm <sup>2</sup>  |                    |       |            |         |        |
| 25 mm <sup>2</sup>  |                    |       |            |         |        |
| Flat band 24x10mm   |                    |       |            |         | 22 mm  |
| Stripping lengths   | 27 mm              |       |            |         | M6     |
| Allen screw         | M14                |       |            |         | M6     |

\* Values according to UL 1059 \*\* CP - connection point



| Output              | connection point 1 / 2 / 3 |      |            |        | connection point 4 / 5 / 6 / 7 |      |            |        | connection point 8 / 9 |        |            |         |
|---------------------|----------------------------|------|------------|--------|--------------------------------|------|------------|--------|------------------------|--------|------------|---------|
|                     | Copper                     |      | Aluminium* |        | Copper                         |      | Aluminium* |        | Copper                 |        | Aluminium* |         |
| 35 mm <sup>2</sup>  |                            |      |            |        |                                |      |            |        |                        |        |            |         |
| 25 mm <sup>2</sup>  | 2 Nm                       | 2 Nm | 5,1 Nm     | 5,1 Nm | 2 Nm                           | 2 Nm | 5,1 Nm     | 5,1 Nm | 2,5 Nm                 | 2,5 Nm | 11,3 Nm    | 11,3 Nm |
| 16 mm <sup>2</sup>  |                            |      |            |        |                                |      |            |        |                        |        |            |         |
| 10 mm <sup>2</sup>  |                            |      |            |        |                                |      |            |        |                        |        |            |         |
| 6 mm <sup>2</sup>   |                            |      |            |        |                                |      |            |        |                        |        |            |         |
| 4 mm <sup>2</sup>   |                            |      |            |        |                                |      |            |        |                        |        |            |         |
| 2.5 mm <sup>2</sup> |                            |      |            |        |                                |      |            |        |                        |        |            |         |
| 1.5 mm <sup>2</sup> |                            |      |            |        |                                |      |            |        |                        |        |            |         |
| Stripping lengths   | 12 mm                      |      |            |        | 12 mm                          |      |            |        | 18 mm                  |        |            |         |
| Allen screw         | M6                         |      |            |        | M6                             |      |            |        | M8                     |        |            |         |

\* Values according to UL 1059



UL Rating data according to UL 1059

| Certificate no. (UR)  | XCFR2.E60693       |              |            |            |             |
|-----------------------|--------------------|--------------|------------|------------|-------------|
|                       | connection point A |              |            |            | CP* B       |
| Input (line)          | Copper             |              | Aluminium  |            | Copper      |
| kcmil 250             |                    |              |            |            |             |
| AWG 4/0               | 168.2 Lb In.       | 168.2 Lb In. | 200 Lb In. | 200 Lb In. | 17.7 Lb In. |
| AWG 3/0               |                    |              |            |            |             |
| AWG 2/0               |                    |              |            |            |             |
| AWG 1/0               |                    |              |            |            |             |
| AWG 2                 |                    |              |            |            |             |
| AWG 4                 |                    |              |            |            |             |
| Flat band 24x10 mm    |                    |              |            |            |             |
| max. current          | 250 A              | 200 A        | 155 A      | 205 A      | 250 A       |
| Voltage size B,C (UR) | 600 V              |              |            |            |             |

\* CP - connection point

CSA rating data according to CSA 22.2 No. 158

| Certificate No. (CSA) | 269832 |           |             |       |
|-----------------------|--------|-----------|-------------|-------|
|                       | Input  | Output    |             |       |
|                       | CP* A  | CP* 1/2/3 | CP* 4/5/6/7 | CP* B |
| kcmil 250             | 19 Nm. |           |             |       |
| AWG 2                 | 19 Nm  |           |             |       |
| AWG 4                 |        | 3 Nm      | 3 Nm        | 6 Nm  |
| AWG 6                 |        |           |             |       |
| AWG 8                 |        |           |             |       |
| AWG 10                |        |           |             |       |
| AWG 12                |        |           |             |       |
| AWG 14                |        |           |             |       |
| AWG 16                |        |           |             |       |
| max. current          | 255 A  | 85 A      | 65 A        | 115 A |
| Voltage size C (CSA)  | 600 V  |           |             |       |

\* CP - connection point

| Output                | connection point 1 / 2 / 3 |             |             |             | connection point 4 / 5 / 6 / 7 |             |             |             | connection point 8 / 9 |             |            |            |
|-----------------------|----------------------------|-------------|-------------|-------------|--------------------------------|-------------|-------------|-------------|------------------------|-------------|------------|------------|
|                       | Copper                     |             | Aluminium   |             | Copper                         |             | Aluminium   |             | Copper                 |             | Aluminium  |            |
| AWG 2                 |                            |             |             |             |                                |             |             |             |                        |             |            |            |
| AWG 4                 | 22.6 Lb In.                | 22.6 Lb In. | 45.1 Lb In. | 45.1 Lb In. | 22.6 Lb In.                    | 22.6 Lb In. | 45.1 Lb In. | 45.1 Lb In. | 53.1 Lb In.            | 53.1 Lb In. | 100 Lb In. | 100 Lb In. |
| AWG 6                 |                            |             |             |             |                                |             |             |             |                        |             |            |            |
| AWG 8                 |                            |             |             |             |                                |             |             |             |                        |             |            |            |
| AWG 10                |                            |             |             |             |                                |             |             |             |                        |             |            |            |
| AWG 12                |                            |             |             |             |                                |             |             |             |                        |             |            |            |
| AWG 14                |                            |             |             |             |                                |             |             |             |                        |             |            |            |
| AWG 16                |                            |             |             |             |                                |             |             |             |                        |             |            |            |
| max. current          | 85 A                       | 65 A        | 65 A        | 50 A        | 65 A                           | 50 A        | 50 A        |             | 115 A                  | 85 A        | 90 A       | 65 A       |
| Voltage size B,C (UR) | 600 V                      |             |             |             |                                |             |             |             |                        |             |            |            |

