

**WPD 104 1X25+1X16/2X16+3X10 BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Produktbild**

Unsere Verteilerblöcke WPD 1XX kommen überall dort zum Einsatz, wo Energie eingespeist und verteilt wird. Ihr anwenderfreundliches Design sorgt für mehr Übersichtlichkeit und ermöglicht die schnelle und effiziente Umsetzung einer platzsparenden Energieversorgung.

**Allgemeine Bestelldaten**

|            |   |
|------------|---|
| Ausführung | W-Reihe, Verteilerblock, Bemessungsquerschnitt: Schraubanschluss, Tragschiene / Montageplatte |
| Best.-Nr.  | <a href="#">2518250000</a>  |
| Typ        | WPD 104 1X25+1X16/2X16+3X10 BL  |
| GTIN (EAN) | 4050118538267   |
| VPE        | 1 Stück   |

Erstellungs-Datum 23. Februar 2023 21:37:56 MEZ

Katalogstand 18.02.2023 / Technische Änderungen vorbehalten

## WPD 104 1X25+1X16/2X16+3X10 BL

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## Technische Daten

### Abmessungen und Gewichte

|              |         |               |            |
|--------------|---------|---------------|------------|
| Tiefe        | 49 mm   | Tiefe (inch)  | 1,929 inch |
| Höhe         | 68 mm   | Höhe (inch)   | 2,677 inch |
| Breite       | 31,5 mm | Breite (inch) | 1,24 inch  |
| Nettogewicht | 106,4 g |               |            |

### Temperaturen

|                                |                |                                |        |
|--------------------------------|----------------|--------------------------------|--------|
| Lagertemperatur                | -25 °C...55 °C | Dauergebrauchstemperatur, min. | -50 °C |
| Dauergebrauchstemperatur, max. | 130 °C         |                                |        |

### Allgemeines

|               |                             |             |                        |
|---------------|-----------------------------|-------------|------------------------|
| Einbauhinweis | Tragschiene / Montageplatte | Normen      | IEC 60947-7-1, UL 1059 |
| Polzahl       | 1                           | Tragschiene | Montageplatte, TS 35   |

### Bemessungsdaten

|                       |                        |                       |            |
|-----------------------|------------------------|-----------------------|------------|
| Bemessungsspannung    | 1.000 V                | Bemessungsspannung AC | 1.000 V AC |
| Bemessungsspannung DC | 1.000 V DC             | Nennstrom             | 164 A      |
| Normen                | IEC 60947-7-1, UL 1059 |                       |            |

### Bemessungsdaten IECEx/ATEX

|                              |                    |                        |                   |
|------------------------------|--------------------|------------------------|-------------------|
| Zertifikat-Nr. (ATEX)        | CNEX16ATEX0005U    | Zertifikat-Nr. (IECEX) | IECEXCNEX16.0005U |
| Spannung max (ATEX)          | 550 V              | Strom (ATEX)           | 101 A             |
| Leiterquerschnitt max (ATEX) | 25 mm <sup>2</sup> | Spannung max (IECEX)   | 550 V             |
| Strom (IECEX)                | 101 A              |                        |                   |

### Bemessungsdaten nach CSA

|                         |          |
|-------------------------|----------|
| Zertifikat-Nr. (cCSAus) | 70128467 |
|-------------------------|----------|

### Bemessungsdaten nach UL

|                        |        |
|------------------------|--------|
| Zertifikat-Nr. (cURus) | E60693 |
|------------------------|--------|

### Klemmbare Leiter (Bemessungsanschluss)

|              |                  |                   |                 |
|--------------|------------------|-------------------|-----------------|
| Anschlussart | Schraubanschluss | Anschlussrichtung | Keine, seitlich |
|--------------|------------------|-------------------|-----------------|

### Systemkennwerte

|                                  |                  |                                 |                      |
|----------------------------------|------------------|---------------------------------|----------------------|
| Ausführung                       | Schraubanschluss | Abschlussplatte erforderlich    | Nein                 |
| Anzahl der Potentiale            | 1                | Anzahl der Etagen               | 1                    |
| Anzahl der Klemmstellen je Etage | 2                | Anzahl der Potentiale pro Etage | 1                    |
| Etagen intern gebrückt           | Ja               | Tragschiene                     | Montageplatte, TS 35 |
| PE-Funktion                      | Nein             | PEN-Funktion                    | Nein                 |

### Werkstoffdaten

|                                |       |       |      |
|--------------------------------|-------|-------|------|
| Werkstoff                      | Wemid | Farbe | blau |
| Brennbarkeitsklasse nach UL 94 | V-0   |       |      |

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## Technische Daten

### weitere technische Daten

|               |                             |            |          |
|---------------|-----------------------------|------------|----------|
| Einbauhinweis | Tragschiene / Montageplatte | Montageart | gerastet |
| Offene Seiten | geschlossen                 |            |          |

### Klassifikationen

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 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 |

### Umweltanforderungen

|            |                                      |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1                       |
| SCIP       | 9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2 |

### Wichtiger Hinweis

|                 |   |
|-----------------|---|
| Produktthinweis | Der Sockel entspricht nach UL94 der Flammbareitsklasse V-2. |
|-----------------|---|

### Zulassungen

Zulassungen



|                        |             |
|------------------------|-------------|
| ROHS                   | Konform     |
| UL File Number Search  | UL Webseite |
| Zertifikat-Nr. (cURus) | E60693      |

### Downloads

|   |  |
|---|--|
| Zulassung / Zertifikat / Konformitätsdokument | <a href="#">Attestation of Conformity</a><br><a href="#">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="#">VDE 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="#">UKCA declaration of conformity</a> |
| Engineering-Daten                             | <a href="#">CAD data – STEP</a>  |
| Anwenderdokumentation                         | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">DATA SHEET WPD 104</a><br><a href="#">NTI WPD 104</a>   |
| Kataloge                                      | <a href="#">Catalogues in PDF-format</a>   |

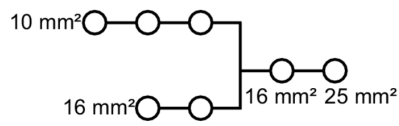
**Datenblatt**

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**Zeichnungen**



## Power distribution

### Screw connection

#### W-Series

#### WPD 104 1x25+1x16/2x16+3x10



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

#### Technical data

|  |                                    |
|--|------------------------------------|
| <b>Rated data</b>                                    |                                    |
| Rated voltage  | V                                  |
| Rated current  | A                                  |
| for wire cross-section                               | 25 mm <sup>2</sup> mm <sup>2</sup> |
| Rated impulse withstand voltage / Pollution severity |                                    |
| Overvoltage category / UL 94 flammability rating     |                                    |
| Approvals  |                                    |
| <b>Clamped conductors (H05V/H07V)</b>                |                                    |
| Solid / Stranded                                     | 25 mm <sup>2</sup> mm <sup>2</sup> |
|  | 16 mm <sup>2</sup> mm <sup>2</sup> |
|  | 10 mm <sup>2</sup> mm <sup>2</sup> |
| Flexible with ferrule                                | 25 mm <sup>2</sup> mm <sup>2</sup> |
|  | 16 mm <sup>2</sup> mm <sup>2</sup> |
|  | 10 mm <sup>2</sup> mm <sup>2</sup> |
| Stripping length / Blade size                        | 25 mm <sup>2</sup> mm/-            |
|  | 16 mm <sup>2</sup> mm/-            |
|  | 10 mm <sup>2</sup> mm/-            |
| Tightening torque                                    | Nm                                 |
| <b>Note</b>  |                                    |

#### Ordering data

|                |       |
|----------------|-------|
| <b>Version</b> |       |
|                | grey  |
|                | blue  |
|                | red   |
|                | black |
| <b>Note</b>    |       |

#### Accessories

|                         |            |
|-------------------------|------------|
| <b>Cross connection</b> |            |
|                         | 2-pole     |
|                         | 3-pole     |
| <b>End bracket</b>      |            |
|                         | dark beige |
|                         | dark beige |
| <b>Screwdriver</b>      |            |
|                         | SET        |

#### WPD 104

**25 mm<sup>2</sup>**


|                |                    |                    |                    |
|----------------|--------------------|--------------------|--------------------|
| 31.5 / 49 / 68 | 10 mm <sup>2</sup> | 16 mm <sup>2</sup> | 25 mm <sup>2</sup> |
| 101 / 25       |                    |                    |                    |
| 1.5...25       |                    |                    |                    |

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

| IEC       | UL         | CSA        | EN 60079-7 |
|-----------|------------|------------|------------|
| 1000      | 600        | 600        | 550        |
| 101       | 85         | 85         | 101        |
| 25        | AWG 12...4 | AWG 12...4 | 25         |
| 8 kV / 3  |            |            |            |
| III / V-0 |            |            |            |

#### Rated connection

|                     |
|---------------------|
| 2.5...25 / 2.5...25 |
| 1.5...16 / 1.5...16 |
| 1.5...10 / 1.5...10 |
| 1.5...16            |
| 1.5...10            |
| 1.5...6             |
| 12 / M5             |
| 14 / M6             |
| 19 / M6             |

see appendix at the end of the chapter

#### WPD 204

**25 mm<sup>2</sup>**


|              |                    |                    |                    |
|--------------|--------------------|--------------------|--------------------|
| 63 / 49 / 68 | 10 mm <sup>2</sup> | 16 mm <sup>2</sup> | 25 mm <sup>2</sup> |
| 101 / 25     |                    |                    |                    |
| 1.5...25     |                    |                    |                    |

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

| IEC       | UL         | CSA        | EN 60079-7 |
|-----------|------------|------------|------------|
| 1000      | 600        | 600        | 550        |
| 101       | 85         | 85         | 101        |
| 25        | AWG 12...4 | AWG 12...4 | 25         |
| 8 kV / 3  |            |            |            |
| III / V-0 |            |            |            |

#### Rated connection

|                     |
|---------------------|
| 2.5...25 / 2.5...25 |
| 1.5...16 / 1.5...16 |
| 1.5...10 / 1.5...10 |
| 1.5...16            |
| 1.5...10            |
| 1.5...6             |
| 12 / M5             |
| 14 / M6             |
| 19 / M6             |

see appendix at the end of the chapter



WPD 304

25 mm<sup>2</sup>



94.5 / 49 / 68  
101 / 25  
1.5...25



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

| IEC       | UL         | CSA        | EN 60079-7 |
|-----------|------------|------------|------------|
| 1000      | 600        | 600        | 550        |
| 101       | 85         | 85         | 101        |
| 25        | AWG 12...4 | AWG 12...4 | 25         |
| 8 kV / 3  |            |            |            |
| III / V-0 |            |            |            |

Rated connection

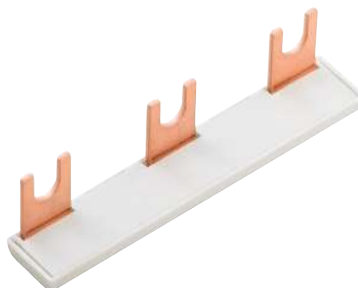
|                     |
|---------------------|
| 2.5...25 / 2.5...25 |
| 1.5...16 / 1.5...16 |
| 1.5...10 / 1.5...10 |
| 1.5...16            |
| 1.5...10            |
| 1.5...6             |
| 12 / M5             |
| 14 / M6             |
| 19 / M6             |

see appendix at the end of the chapter



| Type                        | Qty. | Order No.  |
|-----------------------------|------|------------|
| WPD 304 3X25/6X16+9X10 3XGY | 1    | 1562160000 |
| WPD 304 3X25/6X16+9X10 3XBL | 1    | 2518340000 |
| WPD 304 3x25/6x16+9x10 3xRD | 1    | 2725300000 |
| WPD 304 3x25/6x16+9x10 3xBK | 1    | 2725400000 |

| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| WEW 35/2          | 100  | 1061200000 |
| AEB 35 SC/1       | 50   | 1991920000 |
| SDK P22 X 100     | 1    | 2749450000 |
| SK WSD-S 1.5-10,0 | 1    | 9008850000 |



B

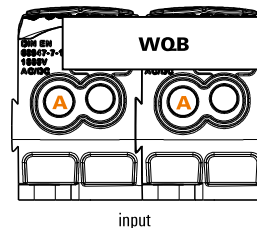
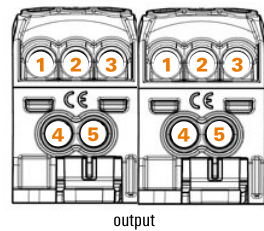


**Power distribution**  
**Screw connection**

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

| Input               | connection point A |        |            |        |
|---------------------|--------------------|--------|------------|--------|
|                     | Copper             |        | Aluminium* |        |
|                     |                    |        |            |        |
| 25 mm <sup>2</sup>  | 2,5 Nm             | 2,5 Nm | 5,1 Nm     | 5,1 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   | 19 mm              |        |            |        |
| Allen screw         | M6                 |        |            |        |

\* Values according to UL 1059

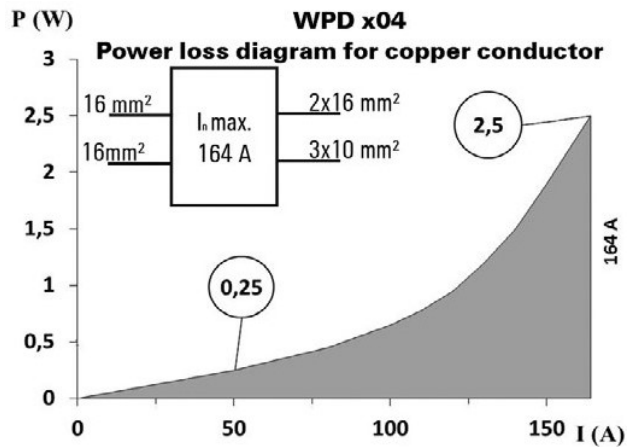


| Output              | connection point 1/2/3 |      |            |        | connection point 4/5 |        |            |        | connection point B |        |            |  |
|---------------------|------------------------|------|------------|--------|----------------------|--------|------------|--------|--------------------|--------|------------|--|
|                     | Copper                 |      | Aluminium* |        | Copper               |        | Aluminium* |        | Copper             |        | Aluminium* |  |
|                     |                        |      |            |        |                      |        |            |        |                    |        |            |  |
| 16 mm <sup>2</sup>  | 2 Nm                   | 2 Nm | 5,1 Nm     | 2,5 Nm | 2,5 Nm               | 5,1 Nm | 5,1 Nm     | 2,5 Nm | 2,5 Nm             | 5,1 Nm | 5,1 Nm     |  |
| 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                  |      |            |        | 14 mm                |        |            |        | 19 mm              |        |            |  |
| Allen screw         | M5                     |      |            |        | M6                   |        |            |        | M6                 |        |            |  |





\* Values according to UL 1059















**B**



### UL Rating data according to UL 1059

| Certificate no. (UR)  |   | XCFR2.E60693  |   |   |  |
|-----------------------|---|---|---|---|--|
| connection point A    |   |   |   |   |  |
| Input (line)          | Copper  |   | Aluminium   |   |  |
|                       |  |  |  |  |  |
| AWG 4                 | 22.1 Lb In.   | 22.1 Lb In.   | 45.1 Lb In.   | 45.1 Lb In.   |  |
| AWG 6                 |   |   |   |   |  |
| AWG 8                 |   |   |   |   |  |
| AWG 10                |   |   |   |   |  |
| AWG 12                |   |   |   |   |  |
| max. current          | 85 A  | 65 A  | 65 A  | 50 A  |  |
| Voltage size B,C (UR) | 600 V   |   |   |   |  |

| output (load)         | connection point 1/2/3  |   |   |   | connection point 4/5  |   |   |   | connection point B  |   |   |   |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|
|                       | Copper  |   | Aluminium   |   | Copper  |   | Aluminium   |   | Copper  |   | Aluminium   |   |
|                       |  |  |  |  |  |  |  |  |  |  |  |  |
| AWG 4                 | 22.1 Lb In.   | 22.1 Lb In.   | 45.1 Lb In.   | 45.1 Lb In.   | 22.1 Lb In.   | 22.1 Lb In.   | 45.1 Lb In.   | 45.1 Lb In.   | 22.1 Lb In.   | 22.1 Lb In.   | 45.1 Lb In.   | 45.1 Lb In.   |
| AWG 6                 |   |   |   |   |   |   |   |   |   |   |   |   |
| AWG 8                 |   |   |   |   |   |   |   |   |   |   |   |   |
| AWG 10                |   |   |   |   |   |   |   |   |   |   |   |   |
| AWG 12                |   |   |   |   |   |   |   |   |   |   |   |   |
| AWG 14                |   |   |   |   |   |   |   |   |   |   |   |   |
| AWG 16                |   |   |   |   |   |   |   |   |   |   |   |   |
| max. current          | 65 A  | 50 A  | 50 A  |   | 85 A  | 65 A  | 65 A  | 50 A  | 65 A  | 50 A  | 50 A  |   |
| Voltage size B,C (UR) | 600 V   |   |   |   |   |   |   |   |   |   |   |   |

 Mehrdrähtig    
  Eindrätig    
  Feindrätig mit Aderendhülse

### CSA-Bemessungsdaten nach CSA 22.2 Nr. 158

| Certificate No. (CSA)   |         | 269832    |         |        |        |
|-------------------------|---------|-----------|---------|--------|--------|
|                         | Input   |           | Output  |        |        |
|                         | CP* A   | CP* 1/2/3 | CP* 4/5 | CP*B   |        |
| AWG 4                   | 2,5 Nm. | 2,5 Nm    | 2,5 Nm  | 2,5 Nm | 2,5 Nm |
| AWG 6                   |         |           |         |        |        |
| AWG 8                   |         |           |         |        |        |
| AWG 10                  |         |           |         |        |        |
| AWG 12                  |         |           |         |        |        |
| AWG 14                  |         |           |         |        |        |
| AWG 16                  |         |           |         |        |        |
| max. current            | 85 A    | 50 A      | 50 A    | 65 A   |        |
| Voltage size C (CSA)    | 600 V   |           |         |        |        |
| * CP - connection point |         |           |         |        |        |

**B**

