

## WPD 401 2X25/2X16 3XGY/1XBL

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

www.weidmueller.com

### Produktbild



### Gebäudeinstallationsverdrahtung

Für die Gebäudeinstallation bieten wir ein Gesamtsystem rund um die 10×3-Kupferschiene aus optimal aufeinander abgestimmten Komponenten: von Installations-, Neutralleiter- und Verteilerreihenklammern bis hin zu umfangreichem Zubehör wie Sammelschienen und Sammelschienenhaltern.

### Allgemeine Bestelldaten

|            |   |
|------------|---|
| Ausführung | W-Reihe, Verteilerblock, Bemessungsquerschnitt: Schraubanschluss, Tragschiene / Montageplatte |
| Best.-Nr.  | <a href="#">1562130000</a>  |
| Typ        | WPD 401 2X25/2X16 3XGY/1XBL   |
| GTIN (EAN) | 4050118385212   |
| VPE        | 1 Stück   |

Erstellungs-Datum 22. Februar 2023 00:49:51 MEZ

Katalogstand 18.02.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### Abmessungen und Gewichte

|              |         |               |            |
|--------------|---------|---------------|------------|
| Tiefe        | 49,3 mm | Tiefe (inch)  | 1,941 inch |
| Höhe         | 55,7 mm | Höhe (inch)   | 2,193 inch |
| Breite       | 81,5 mm | Breite (inch) | 3,209 inch |
| Nettogewicht | 271 g   |               |            |

### Temperaturen

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

### Allgemeines

|               |                             |        |  |
|---------------|-----------------------------|--------|--|
| Einbauhinweis | Tragschiene / Montageplatte | Normen | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 |
| Polzahl       | 4                           |        |  |

### Bemessungsdaten

|                       |  |                       |            |
|-----------------------|--|-----------------------|------------|
| Bemessungsspannung    | 1.000                                  | Bemessungsspannung AC | 1.000 V AC |
| Bemessungsspannung DC | 1.000 V DC                             | Nennstrom             | 152 A      |
| Normen                | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 |                       |            |

### Klemmbare Leiter (Bemessungsanschluss)

|              |                  |                   |          |
|--------------|------------------|-------------------|----------|
| Anschlussart | Schraubanschluss | Anschlussrichtung | seitlich |
|--------------|------------------|-------------------|----------|

### Systemkennwerte

|                                  |                  |                                 |      |
|----------------------------------|------------------|---------------------------------|------|
| Ausführung                       | Schraubanschluss | Abschlussplatte erforderlich    | Nein |
| Anzahl der Potentiale            | 4                | Anzahl der Etagen               | 1    |
| Anzahl der Klemmstellen je Etage | 8                | Anzahl der Potentiale pro Etage | 4    |
| Etagen intern gebrückt           | Nein             | PE-Anschluss                    | Nein |
| N-Funktion                       | Ja               | PE-Funktion                     | Nein |
| PEN-Funktion                     | Nein             |                                 |      |

### Werkstoffdaten

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

### weitere technische Daten

|               |                             |                |          |
|---------------|-----------------------------|----------------|----------|
| Einbauhinweis | Tragschiene / Montageplatte | Montageart     | gerastet |
| Offene Seiten | geschlossen                 | mit Rastzapfen | Ja       |
| rastbar       | Ja                          |                |          |

### 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 |

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## Technische Daten

### Umweltanforderungen

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

### Zulassungen

Zulassungen



|      |         |
|------|---------|
| ROHS | Konform |
|------|---------|

### Downloads

|  |  |
|--|--|
| Zulassung / Zertifikat /<br>Konformitätsdokument | <a href="#">CB Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">VDE Certificate</a><br><a href="#">VDE Certificate</a><br><a href="#">DNV 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-Daten                                | <a href="#">CAD data – STEP</a>  |
| Engineering-Daten                                | <a href="#">WSCAD</a>  |
| Anwenderdokumentation                            | <a href="#">StorageConditionsTerminalBlocks</a>  |
| Kataloge   | <a href="#">Catalogues in PDF-format</a>   |
| Broschüren                                       |  |

**Datenblatt**

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**Zeichnungen**



## Power distribution

### Screw connection

#### W-Series

#### WPD 101 2X25/2X16 GY



|                               |                   |
|-------------------------------|-------------------|
| 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> |
| Flexible with ferrule                                | 25 mm <sup>2</sup> | mm <sup>2</sup> |
|  | 16 mm <sup>2</sup> | mm <sup>2</sup> |
| Stripping length / Blade size                        | 25 mm <sup>2</sup> | mm/-            |
|  | 16 mm <sup>2</sup> | mm/-            |
| Tightening torque                                    |                    | Nm              |
| <b>Note</b>  |                    |                 |

#### Ordering data

|                |                              |
|----------------|------------------------------|
| <b>Version</b> |                              |
|                | light grey                   |
|                | blue                         |
|                | green                        |
|                | brown                        |
|                | black                        |
|                | 3x light grey / blue         |
|                | green / 3x light grey / blue |
| <b>Note</b>    |                              |

#### Accessories

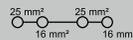
|                    |            |
|--------------------|------------|
| <b>End bracket</b> |            |
|                    | dark beige |
|                    | dark beige |
| <b>Screwdriver</b> |            |
|                    |            |

#### WPD 101

25 mm<sup>2</sup>



|                    |
|--------------------|
| 17.8 / 49.3 / 55.7 |
| 101 / 25           |
| 1.5...25           |



#### IEC 60947-7-1, DIN EN 0603-3-1

| IEC       | UL         | CSA        | EN 60079-7 |
|-----------|------------|------------|------------|
| 1000      | 600        | 600        |            |
| 101       | 85         | 90         |            |
| 25        | AWG 16...4 | AWG 16...4 |            |
| 8 kV / 3  |            |            |            |
| III / V-0 |            |            |            |

#### Rated connection

|  |  |
|--|--|
| 2.5...25 / 2.5...25                    |  |
| 4...25 / 4...25                        |  |
| 1.5...16                               |  |
| 2.5...16                               |  |
| 19 / M6 (+/- PZ2)                      |  |
| 19 / M6 (+/- PZ2)                      |  |
| see appendix at the end of the chapter |  |

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| WPD 101 2X25/2X16 GY | 5    | 1560730000 |
| WPD 101 2X25/2X16 BL | 5    | 1560670000 |
| WPD 101 2X25/2X16 GN | 5    | 1560650000 |
| WPD 101 2X25/2X16 BN | 5    | 1561120000 |
| WPD 101 2X25/2X16 BK | 5    | 1561100000 |

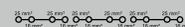
| Type          | Qty. | Order No.  |
|---------------|------|------------|
| WEW 35/2      | 100  | 1061200000 |
| AEB 35 SC/1   | 50   | 1991920000 |
| SDK PZ2 X 100 | 1    | 2749450000 |

#### WPD 301

25 mm<sup>2</sup>



|                  |
|------------------|
| 53 / 49.3 / 55.7 |
| 101 / 25         |
| 1.5...25         |



#### IEC 60947-7-1, DIN EN 0603-3-1

| IEC       | UL         | CSA        | EN 60079-7 |
|-----------|------------|------------|------------|
| 1000      | 600        | 600        |            |
| 101       | 85         | 90         |            |
| 25        | AWG 16...4 | AWG 16...4 |            |
| 8 kV / 3  |            |            |            |
| III / V-0 |            |            |            |

#### Rated connection

|  |  |
|--|--|
| 2.5...25 / 2.5...25                    |  |
| 4...25 / 4...25                        |  |
| 1.5...16                               |  |
| 2.5...16                               |  |
| 19 / M6 (+/- PZ2)                      |  |
| 19 / M6 (+/- PZ2)                      |  |
| see appendix at the end of the chapter |  |

| Type                   | Qty. | Order No.  |
|------------------------|------|------------|
| WPD 301 2X25/2X16 3XGY | 2    | 1561130000 |

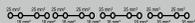
| Type          | Qty. | Order No.  |
|---------------|------|------------|
| WEW 35/2      | 100  | 1061200000 |
| AEB 35 SC/1   | 50   | 1991920000 |
| SDK PZ2 X 100 | 1    | 2749450000 |

WPD 401

25 mm<sup>2</sup>



71.6 / 49.3 / 55.7  
101 / 25  
1.5...25



IEC 60947-7-1, DIN EN 0603-3-1

| IEC       | UL         | CSA        | EN 60079-7 |
|-----------|------------|------------|------------|
| 1000      | 600        | 600        |            |
| 101       | 85         | 90         |            |
| 25        | AWG 16...4 | AWG 16...4 |            |
| 8 kV / 3  |            |            |            |
| III / V-0 |            |            |            |

Rated connection

2.5...25 / 2.5...25

4...25 / 4...25

1.5...16

2.5...16

19 / M6 (+/- PZ2)

19 / M6 (+/- PZ2)

see appendix at the end of the chapter

| Type                        | Qty. | Order No.  |
|-----------------------------|------|------------|
| WPD 401 2X25/2X16 4XGY      | 1    | 1561800000 |
|                             |      |            |
|                             |      |            |
|                             |      |            |
|                             |      |            |
| WPD 401 2X25/2X16 3XGY/1XBL | 1    | 1562130000 |

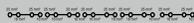
| Type          | Qty. | Order No.  |
|---------------|------|------------|
| WEW 35/2      | 100  | 1061200000 |
| AEB 35 SC/1   | 50   | 1991920000 |
|               |      |            |
| SDK PZ2 X 100 | 1    | 2749450000 |

WPD 501

25 mm<sup>2</sup>



88.8 / 49.3 / 55.7  
101 / 25  
1.5...25



IEC 60947-7-1, DIN EN 0603-3-1

| IEC       | UL         | CSA        | EN 60079-7 |
|-----------|------------|------------|------------|
| 1000      | 600        | 600        |            |
| 101       | 85         | 90         |            |
| 25        | AWG 16...4 | AWG 16...4 |            |
| 8 kV / 3  |            |            |            |
| III / V-0 |            |            |            |

Rated connection

2.5...25 / 2.5...25

4...25 / 4...25

1.5...16

2.5...16

19 / M6 (+/- PZ2)

19 / M6 (+/- PZ2)

see appendix at the end of the chapter

| Type                             | Qty. | Order No.  |
|----------------------------------|------|------------|
| WPD 501 2X25/2X16 5XGY           | 1    | 1561750000 |
|                                  |      |            |
|                                  |      |            |
|                                  |      |            |
|                                  |      |            |
| WPD 501 2X25/2X16 1XGN/3XGY/1XBL | 1    | 1562140000 |

| Type          | Qty. | Order No.  |
|---------------|------|------------|
| WEW 35/2      | 100  | 1061200000 |
| AEB 35 SC/1   | 50   | 1991920000 |
|               |      |            |
| SDK PZ2 X 100 | 1    | 2749450000 |



B



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

Application range

**Conductor connection data according to VDE 0603-2 (Cu), IEC 61238-1 Class A (Al)**

| Input (x2) / Output (x2)               | Copper       |        |        | Aluminium | Input (x2) / Output (x2)               | Copper       |        |        | Aluminium |
|--|--------------|--------|--------|-----------|--|--------------|--------|--------|-----------|
| 2x35 mm <sup>2</sup> (round conductor) |              |        |        |           | 2x16 mm <sup>2</sup> (round conductor) |              |        |        |           |
| 25 mm <sup>2</sup>                     | 3,5 Nm       | 3,5 Nm | 3,5 Nm | 4 Nm      | 35 mm <sup>2</sup>                     | 2,5 Nm       | 2,5 Nm | 2,5 Nm | 4 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 screw                | 19 mm        |        |        |           | Stripping lengths screw                | 19 mm        |        |        |           |
|  | M6 (+/- PZ2) |        |        |           |  | M6 (+/- PZ2) |        |        |           |



Mehrdrätig



Eindrätig



Feindrätig mit Aderendhülse

**UL Rating data according to UL 1059**

| Certificate no. (UR)  | XCFR2.E60693       |             |              |            |             |
|-----------------------|--------------------|-------------|--------------|------------|-------------|
| Input (line)          | connection point A |             |              |            | CP** B      |
|                       | Copper             |             | Aluminium    |            | Copper      |
|                       |                    |             |              |            |             |
| AWG 2/0               | 88.5 Lb In.        | 88.5 Lb In. | 120.4 Lb In. | 100 Lb In. |             |
| AWG 1/0               |                    |             |              |            |             |
| AWG 2                 |                    |             |              |            |             |
| AWG 4                 |                    |             |              |            |             |
| AWG 6                 |                    |             |              |            |             |
| AWG 8                 |                    |             |              |            |             |
| AWG10                 |                    |             |              |            |             |
| Flat band 15.5x3.2 mm |                    |             |              |            | 17.4 Lb In. |
| max. current          | 160 A              | 150 A       | 135 A        | 120 A      | 160 A       |
| Voltage size B,C (UR) | 600 V              |             |              |            |             |

\*\* CP - connection point

B

**CSA rating data according to CSA 22.2 No. 158**

| Certificate No. (cURus)       | XCFR8.E60693  |               | Voltage size C (cURus) - AL                            | 600 V       |             |
|-------------------------------|---------------|---------------|--|-------------|-------------|
| Voltage size B,C (cURus) - Cu | 600 V         |               | Current size B,C (cURus) - AL / AL / Tightening torque |             |             |
|                               | Line          | Load          | Line   | Load        |             |
| AWG 4                         | 90 A / 2,5 Nm | 65 A / 2,1 Nm | AWG 4  | 65 A / 4 Nm | 65 A / 4 Nm |
| AWG 6                         |               |               |  |             |             |
| AWG 8                         |               |               |  |             |             |
| AWG 10                        |               |               |  |             |             |
| AWG 12                        |               |               |  |             |             |
| AWG 14                        |               |               |  |             |             |
| AWG 16                        |               |               |  |             |             |

