

WPD 401 2X25/2X16 4XGY

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. | 1561800000 |
| Typ | WPD 401 2X25/2X16 4XGY |
| GTIN (EAN) | 4050118366549 |
| VPE | 1 Stück |

Erstellungs-Datum 14. Juli 2023 14:09:04 MESZ

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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 V | Bemessungsspannung AC | 1.000 V |
| Bemessungsspannung DC | 1.000 V | 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 | Nein | PE-Funktion | Nein |
| PEN-Funktion | Nein | | |

Werkstoffdaten

| | | | |
|--------------------------------|-------|-------|-----------|
| Werkstoff | Wemid | Farbe | 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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Umweltanforderungen

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

Zulassungen

Zulassungen



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

Downloads

| | |
|--|--|
| Zulassung / Zertifikat / Konformitätsdokument | CB Certificate EAC certificate VDE Certificate VDE Certificate DNV Certificate CE Declaration of Conformity CE Declaration of Conformity all terminals UKCA declaration of conformity |
| Engineering-Daten | CAD data – STEP |
| Engineering-Daten | WSCAD |
| Anwenderdokumentation | StorageConditionsTerminalBlocks |
| Kataloge | Catalogues in PDF-format |
| 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 ² |
| max. clamping range | mm ² |

Technical data

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

Ordering data

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

Accessories

| | |
|--------------------|------------|
| End bracket | |
| | dark beige |
| | dark beige |
| Screwdriver | |
| | |

WPD 101

25 mm²



| | |
|--------------------|--|
| 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 mm²



| | |
|------------------|--|
| 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 mm²



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 |

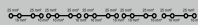
| Type | Qty. | Order No. |
|---------------|------|------------|
| WEW 35/2 | 100 | 1061200000 |
| AEB 35 SC/1 | 50 | 1991920000 |
| | | |
| SDK PZ2 X 100 | 1 | 2749450000 |

WPD 501

25 mm²



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 ² (round conductor) | | | | | 2x16 mm ² (round conductor) | | | | |
| 25 mm ² | 3,5 Nm | 3,5 Nm | 3,5 Nm | 4 Nm | 35 mm ² | 2,5 Nm | 2,5 Nm | 2,5 Nm | 4 Nm |
| 16 mm ² | | | | | | | | | |
| 10 mm ² | | | | | | | | | |
| 6 mm ² | | | | | | | | | |
| 4 mm ² | | | | | | | | | |
| 2.5 mm ² | | | | | | | | | |
| 1.5 mm ² | | | | | | | | | |
| 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 | | | | | |

