

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

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 | Potentialverteilerklemme, Schraubanschluss, 1000 V, 164 A, Polzahl: 1, Montageplatte, TS 35, rot |
| Best.-Nr.  | <a href="#">2725260000</a>   |
| Typ        | WPD 104 1X25+1X16/2X16+3X10 RD   |
| GTIN (EAN) | 4050118796629  |
| VPE        | 1 Stück  |

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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 | 95 g    |               |            |

**Temperaturen**

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

**Allgemeines**

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

**Bemessungsdaten**

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

**Klemmbare Leiter (Bemessungsanschluss)**

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

**Klemmbare Leiter (Weiterer Anschluss)**

|                                  |                  |
|----------------------------------|------------------|
| Anschlussart, weiterer Anschluss | Schraubanschluss |
|----------------------------------|------------------|

**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 |
| N-Funktion                       | Nein             | PE-Funktion                     | Nein                 |
| PEN-Funktion                     | Nein             |                                 |                      |

**Werkstoffdaten**

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

**weitere technische Daten**

|                               |          |               |             |
|-------------------------------|----------|---------------|-------------|
| Montageart                    | gerastet | Offene Seiten | geschlossen |
| explosionsgeprüfte Ausführung | Ja       |               |             |

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## Technische Daten

## Klassifikationen

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | EC000897    | ETIM 9.0    | 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 | ECLASS 13.0 | 27-25-01-19 |

## Umweltanforderungen

|            |                                      |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1                       |
| SCIP       | e1c310ef-6b67-4efa-80a6-d307472f4de9 |

## Wichtiger Hinweis

|                |  |
|----------------|--|
| Produkthinweis | Der Sockel entspricht nach UL94 der Flammbarkeitsklasse V-2. |
|----------------|--|

## Zulassungen

Zulassungen



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

## Downloads

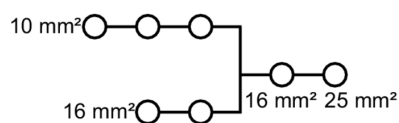
|   |   |
|---|---|
| Zulassung / Zertifikat / Konformitätsdokument | <a href="#">Attestation of Conformity</a><br><a href="#">UKCA Ex Attestation of Conformity</a><br><a href="#">CB Certificate</a><br><a href="#">VDE Certificate</a><br><a href="#">DNV Certificate</a><br><a href="#">UKCA Ex Certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering-Daten                             | <a href="#">CAD data – STEP</a>   |
| Anwenderdokumentation                         | <a href="#">DATA SHEET WPD 104</a>  |
| Kataloge                                      | <a href="#">Catalogues in PDF-format</a>  |

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## Zeichnungen



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## Zubehör

## Stiftschlüsselsätze



Stiftschlüssel aus durchgehärtetem Chrom-Vanadium-Stahl, gefertigt nach DIN ISO 2636 L (DIN 911), Oberfläche hochwertig veredelt.

## Allgemeine Bestelldaten

|            |                            |                |
|------------|----------------------------|----------------|
| Typ        | SKS 2,0-8,0 MR             | Ausführung     |
| Best.-Nr.  | <a href="#">9008870000</a> | Stiftschlüssel |
| GTIN (EAN) | 4032248266623              |                |
| VPE        | 1 Stück                    |                |

## Kreuzschlitz-Schraubendreher, Typ Pozidriv



Kreuzschlitz-Schraubendreher, Typ Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, Abtrieb nach ISO 8764-PZ, Spitze Crhom Top, SoftFinish-Griff

## Allgemeine Bestelldaten

|            |                            |                                  |
|------------|----------------------------|----------------------------------|
| Typ        | SDK PZ2                    | Ausführung                       |
| Best.-Nr.  | <a href="#">9008540000</a> | Schraubendreher, Schraubendreher |
| GTIN (EAN) | 4032248056538              |                                  |
| VPE        | 1 Stück                    |                                  |

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## Zubehör

### Querverbindung



### Allgemeine Bestelldaten

|            |                            |  |
|------------|----------------------------|--|
| Typ        | WQB WPD X04/3              | Ausführung   |
| Best.-Nr.  | <a href="#">1561990000</a> | Querverbinder (Klemmen), gesteckt, Polzahl: 3, Raster in mm (P): |
| GTIN (EAN) | 4050118367324              | 31.50, Isoliert: Ja, 135 A, grau                                 |
| VPE        | 20 Stück                   |  |
| Typ        | WQB WPD X04/2              | Ausführung   |
| Best.-Nr.  | <a href="#">1561980000</a> | Querverbinder (Klemmen), gesteckt, Polzahl: 2, Raster in mm (P): |
| GTIN (EAN) | 4050118367317              | 31.50, Isoliert: Ja, 135 A, grau                                 |
| VPE        | 20 Stück                   |  |

## Power distribution

### Screw connection

#### W-Series

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



#### WPD 104

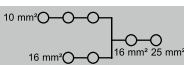
25 mm<sup>2</sup>

#### WPD 204

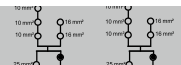
25 mm<sup>2</sup>

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

31.5 / 49 / 68  
101 / 25  
1.5...25



63 / 49 / 68  
101 / 25  
1.5...25



#### Technical data

| Rated data   |                    |                 |
|--|--------------------|-----------------|
| 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  |                    |                 |
| Clamped conductors (H05V/H07V)                       |                    |                 |
| 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> |
|  | 25 mm <sup>2</sup> | mm <sup>2</sup> |
| Flexible with ferrule                                | 16 mm <sup>2</sup> | mm <sup>2</sup> |
|  | 10 mm <sup>2</sup> | mm <sup>2</sup> |
|  | 25 mm <sup>2</sup> | mm/-            |
|  | 16 mm <sup>2</sup> | mm/-            |
| Stripping length / Blade size                        | 10 mm <sup>2</sup> | mm/-            |
|  | 16 mm <sup>2</sup> | mm/-            |
| Tightening torque                                    |                    | Nm              |
| Note   |                    |                 |

#### 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

#### 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

B

#### Ordering data

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

| Type                           | Qty. | Order No.  |
|--------------------------------|------|------------|
| WPD 104 1x25+1x16/2x16+3x10 GY | 1    | 1562000000 |
| WPD 104 1x25+1x16/2x16+3x10 BL | 1    | 2518250000 |
| WPD 104 1x25+1x16/2x16+3x10 RD | 1    | 2725260000 |
| WPD 104 1x25+1x16/2x16+3x10 BK | 1    | 2725360000 |

| Type                        | Qty. | Order No.  |
|-----------------------------|------|------------|
| WPD 204 2x25/4x16+6x10 2XGY | 1    | 1562150000 |
| WPD 204 2x25/4x16+6x10 2XBL | 1    | 2518330000 |
| WPD 204 2x25/4x16+6x10 2XRD | 1    | 2725290000 |
| WPD 204 2x25/4x16+6x10 2XBK | 1    | 2725390000 |

#### Accessories

| Cross connection |            |
|------------------|------------|
|                  | 2-pole     |
|                  | 3-pole     |
| End bracket      |            |
|                  | dark beige |
|                  | dark beige |
| Screwdriver      |            |
|                  | SET        |

| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| WQB WPD X04/2     | 20   | 1561980000 |
| WQB WPD X04/3     | 20   | 1561990000 |
| 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 |

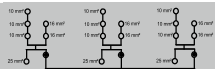
| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| WEW 35/2          | 100  | 1061200000 |
| AEB 35 SC/1       | 50   | 1991920000 |
| SDK PZ2 X 100     | 1    | 2749450000 |
| SK WSD-S 1,5-10,0 | 1    | 9008850000 |

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 |            |            |            |

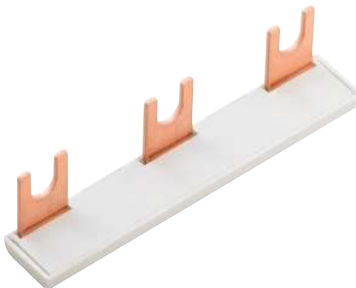
Rated connection

|                     |
|---------------------|
| 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 PZ2 X 100     | 1    | 2749450000 |
| SK WSD-S 1,5-10,0 | 1    | 9008850000 |



B

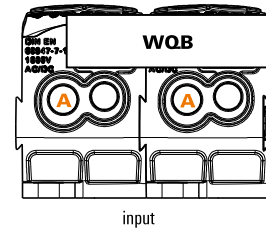




Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

| connection point A            |   |   |   |   |
|-------------------------------|---|---|---|---|
| Input                         | Copper  |   | Aluminium*  |   |
|                               |  |  |  |  |
| 25 mm²                        | 2,5 Nm  |   | 5,1 Nm  |   |
| 16 mm²                        |   | 2,5 Nm  |   | 5,1 Nm  |
| 10 mm²                        |   |   |   |   |
| 6 mm²                         |   |   |   |   |
| 4 mm²                         |   |   |   |   |
| 2.5 mm²                       |   |   |   |   |
| 1.5 mm²                       |   |   |   |   |
| Stripping lengths             | 19 mm   |   |   |   |
| Allen screw                   | M6  |   |   |   |
| * Values according to UL 1059 |   |   |   |   |

\* 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  |   |
| 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 |   |   |   |   |   |   |   |   |   |   |   |   |

\* Values according to UL 1059



Stranded



Solid



Flexible with ferrule



Sector shaped

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.   | 22.1 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.   | 22.1 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



Eindrähtig



Feindrähtig mit Aderendhülle

## 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. |           |         |        |  |
| AWG 6                   |         |           |         |        |  |
| AWG 8                   |         | 2,5 Nm    | 2,5 Nm  | 2,5 Nm |  |
| 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

