

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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

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 |
| Order No.  | <a href="#">2725360000</a>                                             |
| Type       | WPD 104 1X25+1X16/2X16+3X10 BK                                         |
| GTIN (EAN) | 4050118796520                                                          |
| Qty.       | 1 pc(s).                                                               |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 49 mm   | Depth (inches)  | 1.929 inch |
| Height     | 68 mm   | Height (inches) | 2.677 inch |
| Width      | 31.5 mm | Width (inches)  | 1.24 inch  |
| Net weight | 95.3 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 |
|------------|----------------|

## Material data

|                           |       |        |       |
|---------------------------|-------|--------|-------|
| Material                  | Wemid | Colour | black |
| UL 94 flammability rating | V-0   |        |       |

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

## Additional technical data

|            |        |                  |         |
|------------|--------|------------------|---------|
| Open sides | closed | Type of mounting | Snap-on |
|------------|--------|------------------|---------|

## Conductors for clamping (rated connection)

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

## General

|                 |                        |      |                       |
|-----------------|------------------------|------|-----------------------|
| Number of poles | 1                      | Rail | Mounting plate, TS 35 |
| Standards       | IEC 60947-7-1, UL 1059 |      |                       |

## Rating data

|                  |                        |                  |         |
|------------------|------------------------|------------------|---------|
| Rated voltage    | 1,000 V                | Rated AC voltage | 1,000 V |
| Rated DC voltage | 1,000 V DC             | Rated current    | 164 A   |
| Standards        | IEC 60947-7-1, UL 1059 |                  |         |

## 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 |             |             |

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

Approval/Certificate/Document of  
Conformity

[Attestation of Conformity](#)  
[UKCA Ex Attestation of Conformity](#)  
[CB Certificate](#)  
[VDE Certificate](#)  
[DNV Certificate](#)  
[UKCA Ex Certificate](#)  
[CE Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

Catalogues

[Catalogues in PDF-format](#)

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

**Weidmüller Interface GmbH & Co. KG**

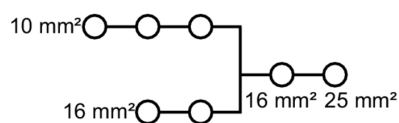
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## Drawings



## Power distribution

### Screw connection

#### W-Series

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



#### WPD 104

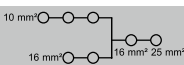
25 mm<sup>2</sup>

#### WPD 204

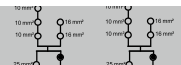
25 mm<sup>2</sup>

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

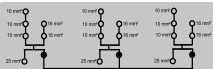
| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| WEW 35/2          | 100  | 1061200000 |
| AEB 35 SC/1       | 50   | 1991920000 |
| SDK PZ2 X 100     | 1    | 2749450000 |
| SK WSD-S 1,5-10,0 | 1    | 9008850000 |

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 |            |            |            |

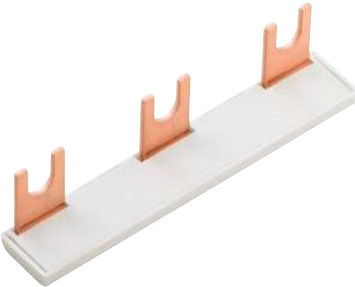
Rated connection

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



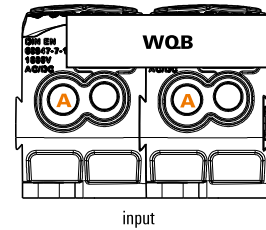
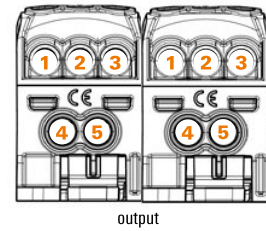
B



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 mm²                        | 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 mm²                        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 6 mm²                         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 4 mm²                         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 2.5 mm²                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 1.5 mm²                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 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

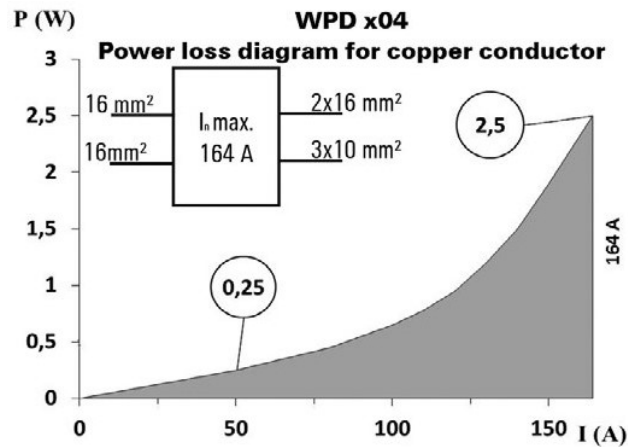


Flexible with ferrule



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

