

**WPD 202 4X35/4X25 BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

**General ordering data**

|            |                                                                                                                                           |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | Potential distributor terminal, Screw connection, blue, 35 mm <sup>2</sup> , 202 A, 1000 V, Number of connections: 8, Number of levels: 1 |
| Order No.  | <a href="#">1561700000</a>                                                                                                                |
| Type       | WPD 202 4X35/4X25 BL                                                                                                                      |
| GTIN (EAN) | 4050118366761                                                                                                                             |
| Qty.       | 2 pc(s).                                                                                                                                  |

## WPD 202 4X35/4X25 BL

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 49.3 mm | Depth (inches)  | 1.941 inch |
| Height     | 55.4 mm | Height (inches) | 2.181 inch |
| Width      | 44.4 mm | Width (inches)  | 1.748 inch |
| Net weight | 184 g   |                 |            |

## Temperatures

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 130 °C        |

## Material data

|                           |       |        |      |
|---------------------------|-------|--------|------|
| Material                  | Wemid | Colour | blue |
| 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              | PE connection                 | No  |
| Rail                                | TS 35            | N-function                    | Yes |
| PE function                         | No               | PEN function                  | No  |

## Additional technical data

|                          |         |                     |                                |
|--------------------------|---------|---------------------|--------------------------------|
| Explosion-tested version | Yes     | Installation advice | Terminal rail / mounting plate |
| Open sides               | closed  | Snap-on             | Yes                            |
| Type of mounting         | Snap-on | With snap-in pegs   | Yes                            |

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## Conductors for clamping (rated connection)

|                                                                                         |                    |                                                      |                     |
|-----------------------------------------------------------------------------------------|--------------------|------------------------------------------------------|---------------------|
| Clamping range, max.                                                                    | 35 mm <sup>2</sup> | Clamping range, min.                                 | 2.5 mm <sup>2</sup> |
| Connection cross-section, stranded, max.                                                | 35 mm <sup>2</sup> | Connection direction                                 | on side             |
| Number of connections                                                                   | 8                  | Type of connection                                   | Screw connection    |
| Type of connection 2                                                                    | Screw connection   | Wire connection cross section AWG, max.              | AWG 4               |
| Wire connection cross section AWG, min.                                                 | AWG 14             | Wire connection cross section, finely stranded, max. | 0 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 25 mm <sup>2</sup> | Wire connection cross-section, solid core, max.      | 35 mm <sup>2</sup>  |

## WPD 202 4X35/4X25 BL

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## General

|                                         |                                |                                         |                                        |
|-----------------------------------------|--------------------------------|-----------------------------------------|----------------------------------------|
| Installation advice                     | Terminal rail / mounting plate | Number of poles                         | 8                                      |
| Rail                                    | TS 35                          | Standards                               | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 |
| Wire connection cross section AWG, max. | AWG 4                          | Wire connection cross section AWG, min. | AWG 14                                 |

## Rating data

|                     |                                        |                                             |         |
|---------------------|----------------------------------------|---------------------------------------------|---------|
| Rated cross-section | 35 mm <sup>2</sup>                     | Rated voltage                               | 1,000 V |
| Rated AC voltage    | 1,000 V                                | Rated DC voltage                            | 1,000 V |
| Rated current       | 202 A                                  | Current at maximum wires                    | 202 A   |
| Standards           | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 | Power loss in accordance with IEC 60947-7-x | 1.9 mW  |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0    | EC000897    |
| ETIM 8.0    | EC000897    | ETIM 9.0    | EC000897    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 27-25-01-19 |
| ECLASS 15.0 | 27-25-01-19 |             |             |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2 |

## Approvals

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

**WPD 202 4X35/4X25 BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Downloads**

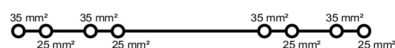
|                                             |                                                                               |
|---------------------------------------------|-------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CB Certificate</a>                                                |
|                                             | <a href="#">VDE Certificate</a>                                               |
|                                             | <a href="#">VDE Certificate</a>                                               |
|                                             | <a href="#">DNV Certificate</a>                                               |
|                                             | <a href="#">CE Declaration of Conformity</a>                                  |
|                                             | <a href="#">UKCA declaration of conformity</a>                                |
| Engineering Data                            | <a href="#">Confirmation of Standards EN 45545-2_2020-10</a>                  |
|                                             | <a href="#">CAD data – STEP</a>                                               |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a>                               |
|                                             | <a href="#">DATA SHEET WPD X02</a>                                            |
|                                             | <a href="#">Manual - How to connect aluminum wires in WPD-Terminal blocks</a> |
|                                             | <a href="#">Torque_Conductor_Connection_Data_WPD_EN</a>                       |
|                                             | <a href="#">Drehmoment_Leiteranschlussdaten_WPD_DE</a>                        |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                      |
| Brochures                                   |                                                                               |

## WPD 202 4X35/4X25 BL

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

www.weidmueller.com

## Drawings



**Conductor connection data according to VDE 0813-2 (Cu), IEC 60847-1 (Cu), IEC 61238-1 Class A (Cu-Al)**

| Input (line)           | Line   | Load   | Input (line)           | Line   | Load   |
|------------------------|--------|--------|------------------------|--------|--------|
| AWG 4                  | 35 mm² | 35 mm² | AWG 4                  | 35 mm² | 35 mm² |
| AWG 6                  | 35 mm² | 35 mm² | AWG 6                  | 35 mm² | 35 mm² |
| AWG 8                  | 35 mm² | 35 mm² | AWG 8                  | 35 mm² | 35 mm² |
| AWG 10                 | 35 mm² | 35 mm² | AWG 10                 | 35 mm² | 35 mm² |
| AWG 12                 | 35 mm² | 35 mm² | AWG 12                 | 35 mm² | 35 mm² |
| AWG 14                 | 35 mm² | 35 mm² | AWG 14                 | 35 mm² | 35 mm² |
| AWG 16                 | 35 mm² | 35 mm² | AWG 16                 | 35 mm² | 35 mm² |
| max. current           | 125 A  | 115 A  | max. current           | 125 A  | 115 A  |
| Voltage size B.C. (UR) | 600 V  | 600 V  | Voltage size B.C. (UR) | 600 V  | 600 V  |

Standard Solid Flexible with ferrule

**Conductor connection data according to UL 1059 (Al-Cu)**

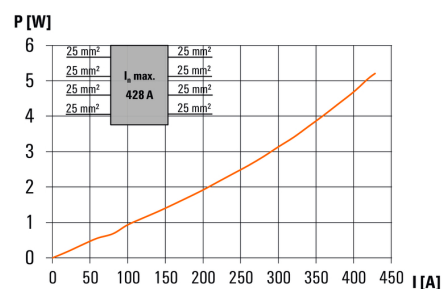
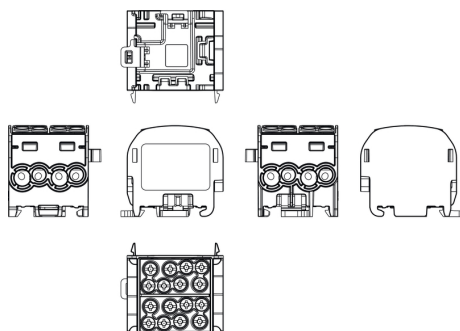
| Input (line)           | Line     | Load     | Input (line)           | Line     | Load     |
|------------------------|----------|----------|------------------------|----------|----------|
| AWG 4                  | 31 lb In | 31 lb In | AWG 4                  | 31 lb In | 31 lb In |
| AWG 6                  | 31 lb In | 31 lb In | AWG 6                  | 31 lb In | 31 lb In |
| AWG 8                  | 31 lb In | 31 lb In | AWG 8                  | 31 lb In | 31 lb In |
| AWG 10                 | 31 lb In | 31 lb In | AWG 10                 | 31 lb In | 31 lb In |
| AWG 12                 | 31 lb In | 31 lb In | AWG 12                 | 31 lb In | 31 lb In |
| AWG 14                 | 31 lb In | 31 lb In | AWG 14                 | 31 lb In | 31 lb In |
| AWG 16                 | 31 lb In | 31 lb In | AWG 16                 | 31 lb In | 31 lb In |
| max. current           | 125 A    | 115 A    | max. current           | 125 A    | 115 A    |
| Voltage size B.C. (UR) | 600 V    | 600 V    | Voltage size B.C. (UR) | 600 V    | 600 V    |

Standard Solid Flexible with ferrule

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

| Input (line)           | Line   | Load   | Input (line)           | Line   | Load   |
|------------------------|--------|--------|------------------------|--------|--------|
| AWG 4                  | 3.5 Nm | 3.5 Nm | AWG 4                  | 3.5 Nm | 3.5 Nm |
| AWG 6                  | 3.5 Nm | 3.5 Nm | AWG 6                  | 3.5 Nm | 3.5 Nm |
| AWG 8                  | 3.5 Nm | 3.5 Nm | AWG 8                  | 3.5 Nm | 3.5 Nm |
| AWG 10                 | 3.5 Nm | 3.5 Nm | AWG 10                 | 3.5 Nm | 3.5 Nm |
| AWG 12                 | 3.5 Nm | 3.5 Nm | AWG 12                 | 3.5 Nm | 3.5 Nm |
| AWG 14                 | 3.5 Nm | 3.5 Nm | AWG 14                 | 3.5 Nm | 3.5 Nm |
| AWG 16                 | 3.5 Nm | 3.5 Nm | AWG 16                 | 3.5 Nm | 3.5 Nm |
| max. current           | 125 A  | 115 A  | max. current           | 125 A  | 115 A  |
| Voltage size B.C. (UR) | 600 V  | 600 V  | Voltage size B.C. (UR) | 600 V  | 600 V  |

Standard Solid Flexible with ferrule



## Power distribution

### Screw connection

#### W-Series

#### WPD 202 4x35/4x25 GY



WPD 202

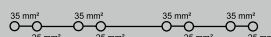
35 mm<sup>2</sup>

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

43.2 / 49.3 / 55.7

125 / 35

2.5...35



#### Technical data

| Rated data                                           |                    |                 |
|------------------------------------------------------|--------------------|-----------------|
| Rated voltage                                        |                    | V               |
| Rated current                                        |                    | A               |
| for wire cross-section                               | 35 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                                     | 35 mm <sup>2</sup> | mm <sup>2</sup> |
|                                                      | 25 mm <sup>2</sup> | mm <sup>2</sup> |
| Flexible with ferrule                                | 35 mm <sup>2</sup> | mm <sup>2</sup> |
|                                                      | 25 mm <sup>2</sup> | mm <sup>2</sup> |
| Stripping length / Blade size                        | 35 mm <sup>2</sup> | mm/-            |
|                                                      | 25 mm <sup>2</sup> | mm/-            |
| Tightening torque                                    |                    | Nm              |
| Note                                                 |                    |                 |

#### IEC 60947-7-1, DIN EN 6033-1

| IEC  | UL         | CSA        | EN 60079-7 |
|------|------------|------------|------------|
| 1000 | 600        | 600        |            |
| 125  | 115        | 125        |            |
| 35   | AWG 14...2 | AWG 14...2 |            |
|      | 8 kV / 3   |            |            |
|      | III / V-0  |            |            |

#### Rated connection

|                                        |
|----------------------------------------|
| 4...35 / 4...35                        |
| 4...35 / 4...35                        |
| 2.5...25                               |
| 2.5...25                               |
| 22 / M6 (+/- PZ2)                      |
| 18 / M6 (+/- PZ2)                      |
| see appendix at the end of the chapter |



#### Ordering data

| Version |            |
|---------|------------|
|         | light grey |
|         | blue       |
|         | green      |
|         | brown      |
|         | black      |
| Note    |            |

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| WPD 202 4x35/4x25 GY | 2    | 1561730000 |
| WPD 202 4x35/4x25 BL | 2    | 1561700000 |
| WPD 202 4x35/4x25 GN | 2    | 1561620000 |
| WPD 202 4x35/4x25 BN | 2    | 1561720000 |
| WPD 202 4x35/4x25 BK | 2    | 1561690000 |

#### Accessories

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

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

B



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

| Input (x4) / Output (x4)               | Copper                                                                            |                                                                                   | Aluminium                                                                         |
|----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 4x35 mm <sup>2</sup> (round conductor) |  |  |  |
| 35 mm <sup>2</sup>                     | 3,5 Nm                                                                            | 3,5 Nm                                                                            | 8 Nm                                                                              |
| 25 mm <sup>2</sup>                     |                                                                                   |                                                                                   | 6 Nm                                                                              |
| 16 mm <sup>2</sup>                     |                                                                                   |                                                                                   | 4 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                      | 22 mm                                                                             |                                                                                   |                                                                                   |
| screw                                  | M8 (+/- PZ2)                                                                      |                                                                                   |                                                                                   |

 Stranded       Solid       Flexible with ferrule

| Input (x4) / Output (x4)               | Copper                                                                              |                                                                                     | Aluminium                                                                           |
|----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 4x25 mm <sup>2</sup> (round conductor) |  |  |  |
| 35 mm <sup>2</sup>                     | 3,5 Nm                                                                              | 3,5 Nm                                                                              |                                                                                     |
| 25 mm <sup>2</sup>                     |                                                                                     |                                                                                     | 6 Nm                                                                                |
| 16 mm <sup>2</sup>                     |                                                                                     |                                                                                     | 4 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                      | 18 mm                                                                               |                                                                                     |                                                                                     |
| screw                                  | M6 (+/- PZ2)                                                                        |                                                                                     |                                                                                     |

