

**WPD 330 3X50/3X50 1XGY/1XBL/1XGN****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Klippon® Connect power feed-in terminal blocks WPD allow for an easy and safe installation of aluminium and copper conductors on a small footprint. A power supply or monitoring connection can also be used as an option. Customers can use the power feed-in terminal blocks WPD, regardless of the conductor material. They can be mounted either directly or on DIN rail TS35.

**General ordering data**

|            |                                                                                                        |
|------------|--------------------------------------------------------------------------------------------------------|
| Version    | W-Series, Distribution block, Rated cross-section: 50 mm <sup>2</sup> , Terminal rail / mounting plate |
| Order No.  | <a href="#">2502640000</a>                                                                             |
| Type       | WPD 330 3X50/3X50 1XGY/1XBL/1XGN                                                                       |
| GTIN (EAN) | 4050118516463                                                                                          |
| Qty.       | 3 pc(s).                                                                                               |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 45 mm   | Depth (inches)  | 1.772 inch |
| Height     | 70 mm   | Height (inches) | 2.756 inch |
| Width      | 56.6 mm | Width (inches)  | 2.228 inch |
| Net weight | 104 g   |                 |            |

## Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C         |                                  |        |

## Material data

|                           |       |        |                         |
|---------------------------|-------|--------|-------------------------|
| Material                  | Wemid | Colour | blue, green, Light Grey |
| UL 94 flammability rating | V-0   |        |                         |

## Rating data IECEx/ATEX

|                                |                    |                         |                  |
|--------------------------------|--------------------|-------------------------|------------------|
| Certificate No. (ATEX)         | CNEX18ATEX0016U    | Certificate No. (IECEX) | IECEXNEX18.0010U |
| Max. voltage (ATEX)            | 880 V              | Current (ATEX)          | 150 A            |
| Wire cross section max. (ATEX) | 50 mm <sup>2</sup> | Max. voltage (IECEX)    | 880 V            |
| Current (IECEX)                | 150 A              |                         |                  |

## System specifications

|                                     |                  |                                   |    |
|-------------------------------------|------------------|-----------------------------------|----|
| Version                             | Screw connection | End cover plate required          | No |
| Number of potentials                | 3                | Number of levels                  | 1  |
| Number of clamping points per level | 6                | Levels cross-connected internally | No |

## Additional technical data

|                     |                                |                  |         |
|---------------------|--------------------------------|------------------|---------|
| Installation advice | Terminal rail / mounting plate | Type of mounting | Snap-on |
|---------------------|--------------------------------|------------------|---------|

## General

|                     |                                |                 |   |
|---------------------|--------------------------------|-----------------|---|
| Installation advice | Terminal rail / mounting plate | Number of poles | 3 |
| Standards           | IEC 60947-7-1, UL 1059, CSA    |                 |   |

## Rating data

|                                              |                    |                                 |                             |
|----------------------------------------------|--------------------|---------------------------------|-----------------------------|
| Rated cross-section                          | 50 mm <sup>2</sup> | Rated voltage                   | 1,000                       |
| Rated AC voltage                             | 1,000 V            | Rated DC voltage                | 1,000 V DC                  |
| Rated current                                | 150 A              | Standards                       | IEC 60947-7-1, UL 1059, CSA |
| Volume resistance according to IEC 60947-7-x | 0.21 mΩ            | Rated impulse withstand voltage | 8 kV                        |
| Power loss in accordance with IEC 60947-7-x  | 4.8 W              | Pollution severity              | 3                           |
| Surge voltage category                       | III                |                                 |                             |

## UL rating data

|                         |        |
|-------------------------|--------|
| Certificate No. (cURus) | E60693 |
|-------------------------|--------|

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## Technical data

## 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 |             |             |

## Important note

Product information You will find additional information in the downloadsection of the onlinecatalogue

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E60693  |

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CB Certificate</a><br><a href="#">FIMKO certificate</a><br><a href="#">EAC EX Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">ATEX Certificate</a><br><a href="#">IECEX Certificate</a><br><a href="#">DNV Certificate</a><br><a href="#">CE Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                             |
| Engineering Data                            | <a href="#">EPLAN</a>                                                                                                                                                                                                                                                                                       |
| User Documentation                          | <a href="#">DATA SHEET WPD 330</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI WPD 330</a>                                                                                                                                                                                        |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                    |

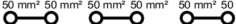
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## Drawings

50 mm² 50 mm² 50 mm² 50 mm² 50 mm² 50 mm²



## Power feed-in Screw connection

### W-Series WPD 130 1X50/1X50 GY



WPD 130

50 mm<sup>2</sup>



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

22 / 45 / 70  
150 / 50  
4...50



#### Technical data

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

#### Ordering data

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

#### Accessories

| Protective cover       |            |
|------------------------|------------|
|                        | light grey |
| End bracket            |            |
|                        | grey       |
|                        | black      |
| Screwdriver            |            |
|                        | SET        |
| Identification systems |            |

#### IEC 60947-7-1

| IEC       | UL           | CSA          | EN 60079-7 |
|-----------|--------------|--------------|------------|
| 1000      | 1000         | 1000         | 880        |
| 150       | 150          | 150          | 150        |
| 50        | AWG 12...1/0 | AWG 12...1/0 | 50         |
| 8 kV / 3  |              |              |            |
| III / V-0 |              |              |            |

#### Bemessungsanschluss

|                                        |
|----------------------------------------|
| 6...50 / 6...50                        |
| 4...35                                 |
| 16 / M10 (SW 5 mm)                     |
| see appendix at the end of the chapter |

#### IEC 60947-7-1

| IEC       | UL           | CSA          | EN 60079-7 |
|-----------|--------------|--------------|------------|
| 1000      | 1000         | 1000         | 880        |
| 300       | 150          | 150          | 150        |
| 50        | AWG 12...1/0 | AWG 12...1/0 | 50         |
| 8 kV / 3  |              |              |            |
| III / V-0 |              |              |            |

#### Rated connection

|                                        |
|----------------------------------------|
| 6...50 / 6...50                        |
| 4...35                                 |
| 16 / M10 (SW 5 mm)                     |
| see appendix at the end of the chapter |

B



| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| WPD 230 2X50/2X50 GY | 5    | 2502580000 |
| WPD 230 2X50/2X50 BL | 5    | 2502590000 |
| WPD 230 2X50/2X50 GN | 5    | 2502600000 |
| WPD 230 2X50/2X50 BN | 5    | 2502610000 |
| WPD 230 2X50/2X50 BK | 5    | 2502950000 |

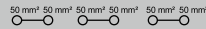
| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| WPDPC X30 GY      | 54   | 2503330000 |
| WEW 35/2 GR 7042  | 100  | 1859200000 |
| AEB 35 SC/1 BK    | 50   | 2475310000 |
| SK WSD-S 1,5-10,0 | 1    | 9008850000 |
| DEK 5/5 MC NE WS  | 1000 | 1609801044 |
| WS 8/5 MM WS      | 800  | 2007150000 |

WPD 330

50 mm<sup>2</sup>



56,5 / 45 / 70  
150 / 50  
4...50



#### IEC 60947-7-1

| IEC       | UL           | CSA          | EN 60079-7 |
|-----------|--------------|--------------|------------|
| 1000      | 1000         | 1000         | 880        |
| 150       | 150          | 150          | 150        |
| 50        | AWG 12...1/0 | AWG 12...1/0 | 50         |
| 8 kV / 3  |              |              |            |
| III / V-0 |              |              |            |

#### Rated connection

6...50 / 6...50

4...35

16 / M10 (SW 5 mm)

see appendix at the end of the chapter

| Type                             | Qty. | Order No.  |
|----------------------------------|------|------------|
| WPD 330 3X50/3X50 3XGY           | 3    | 2502620000 |
|                                  |      |            |
|                                  |      |            |
|                                  |      |            |
| WPD 330 3X50/3X50 1XBN/1XBK/1XGY | 3    | 2502650000 |
| WPD 330 1XGY/1XBL/1XGN           | 3    | 2502640000 |

| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| WPDPC X30 GY      | 54   | 2503330000 |
| WEW 35/2 GR 7042  | 100  | 1859200000 |
| AEB 35 SC/1 BK    | 50   | 2475310000 |
| SK WSD-S 1,5-10,0 | 1    | 9008850000 |
| DEK 5/5 MC NE WS  | 1000 | 1609801044 |
| WS 8/5 MM WS      | 800  | 2007150000 |



Application range

B



## Power feed-in Screw connection

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

| Cable connection data according to IEC 60364-5-52 (2011), 524.000 (4) |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Input (x1) / Output (x1)                                              | Copper                                                                            |                                                                                   | Aluminium                                                                         |                                                                                   |
|                                                                       |  |  |  |  |
| 50 mm <sup>2</sup>                                                    | 10 Nm                                                                             |                                                                                   | 14 Nm                                                                             | 14 Nm                                                                             |
| 35 mm <sup>2</sup>                                                    |                                                                                   | 10 Nm                                                                             |                                                                                   |                                                                                   |
| 25 mm <sup>2</sup>                                                    | 8 Nm                                                                              | 8 Nm                                                                              | 12 Nm                                                                             | 10 Nm                                                                             |
| 16 mm <sup>2</sup>                                                    |                                                                                   |                                                                                   | 10 Nm                                                                             |                                                                                   |
| 10 mm <sup>2</sup>                                                    | 6 Nm                                                                              | 6 Nm                                                                              |                                                                                   |                                                                                   |
| 6 mm <sup>2</sup>                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| 4 mm <sup>2</sup>                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| max. current with 2 x 50 mm <sup>2</sup> (acc. to IEC)                | 300 A                                                                             |                                                                                   | 270 A                                                                             |                                                                                   |
| Stripping lengths                                                     | 16 mm                                                                             |                                                                                   |                                                                                   |                                                                                   |
| Allen screw                                                           | M10 (SW 5 mm)                                                                     |                                                                                   |                                                                                   |                                                                                   |

 Stranded
  Solid
  Flexible with ferrule
  Sector shaped

| Input (x1) / Output (x1)                            | Copper                                                                              |                                                                                     | Aluminium                                                                           |                                                                                     |
|-----------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                     |  |  |  |  |
| AWG 1/0                                             | 123.9Lb In.                                                                         |                                                                                     | 123.9Lb In.                                                                         | 123.9Lb In.                                                                         |
| AWG 2                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| AWG 4                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| AWG 6                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| AWG 8                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| AWG 10                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| AWG 12                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| max. current at 1 x 50 mm <sup>2</sup> (acc. to UL) | 150 A                                                                               |                                                                                     | 120 A                                                                               |                                                                                     |
| Stripping lengths                                   | 16 mm                                                                               |                                                                                     |                                                                                     |                                                                                     |
| Allen screw                                         | M10 (SW 5 mm)                                                                       |                                                                                     |                                                                                     |                                                                                     |

### Diagrams

