

**WPD 230 2X50/2X50 GN****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

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="#">250260000</a>  |
| Type       | WPD 230 2X50/2X50 GN   |
| GTIN (EAN) | 4050118516425  |
| Qty.       | 5 pc(s).   |

## WPD 230 2X50/2X50 GN

Weidmüller Interfaces GmbH &amp; Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 45 mm   | Depth (inches)  | 1.772 inch |
| Height     | 70 mm   | Height (inches) | 2.756 inch |
| Width      | 35.6 mm | Width (inches)  | 1.402 inch |
| Net weight | 66 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 | green |
| 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                | 1                | Number of levels         | 1  |
| Number of clamping points per level | 4                | PE connection            | 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 | 1 |
| Standards           | IEC 60947-7-1, UL 1059, CSA    |                 |   |

## Rating data

|  |                    |                                 |                             |
|--|--------------------|---------------------------------|-----------------------------|
| Rated cross-section                          | 50 mm <sup>2</sup> | Rated voltage                   | 1,000 V                     |
| Rated AC voltage                             | 1,000 V AC         | 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 |
|-------------------------|--------|

Creation date March 13, 2023 8:47:42 AM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

**WPD 230 2X50/2X50 GN**

**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

**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 | ECLASS 12.0 | 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   | UL Website |
| Certificate No. (cURus) | 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="#">UKCA Ex Certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| User Documentation                          | <a href="#">DATA SHEET WPD 230</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI WPD 230</a>   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |

**Data sheet**

**WPD 230 2X50/2X50 GN**

**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

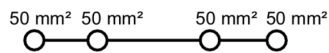
Tel. +49 5231 14-0

Fax. +49 5231 14-2083

[info@weidmueller.com](mailto:info@weidmueller.com)

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

**Drawings**



## Power feed-in Screw connection

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



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

#### Technical data

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

#### Ordering data

|                |                            |
|----------------|----------------------------|
| <b>Version</b> |                            |
|                | light grey                 |
|                | blue                       |
|                | green                      |
|                | brown                      |
|                | black                      |
|                | brown / black / light grey |
|                | green / light grey / blue  |
| <b>Note</b>    |                            |

#### Accessories

|                               |            |
|-------------------------------|------------|
| <b>Protective cover</b>       |            |
|                               | light grey |
| <b>End bracket</b>            |            |
|                               | grey       |
|                               | black      |
| <b>Screwdriver</b>            |            |
|                               | SET        |
| <b>Identification systems</b> |            |

### WPD 130

50 mm<sup>2</sup>

|              |                                       |
|--------------|---------------------------------------|
| 22 / 45 / 70 | 50 mm <sup>2</sup> 50 mm <sup>2</sup> |
| 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 |              |              |            |

#### Bemessungsanschluss

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

| Type                 | Qty. | Order No.  |
|----------------------|------|------------|
| WPD 130 1X50/1X50 GY | 9    | 2502530000 |
| WPD 130 1X50/1X50 BL | 9    | 2502540000 |
| WPD 130 1X50/1X50 GN | 9    | 2502550000 |
| WPD 130 1X50/1X50 BN | 9    | 2502560000 |
| WPD 130 1X50/1X50 BK | 9    | 2502570000 |

| 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 230

50 mm<sup>2</sup>

|                |   |
|----------------|---|
| 35,6 / 45 / 70 | 50 mm <sup>2</sup> 50 mm <sup>2</sup> 50 mm <sup>2</sup> 50 mm <sup>2</sup> |
| 150 / 50       |   |
| 4...50         |   |

#### 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 |

| 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 |

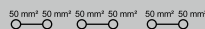
| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| WPDPC X30 GY      | 54   | 2503330000 |
| WEW 35/2 GR 7042  | 100  | 1859200000 |
| AEB 35 SC/1 BK    | 50   | 2475310000 |
| SK WSD-S 1,5-10,0 | 1    | 9008850000 |
| DEK 5/5 MC NE WS  | 1000 | 1609801044 |
| WS 8/5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



**Power feed-in**  
**Screw connection**

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

| Input (x1) / Output (x1)                               | Copper  |   | Aluminium   |   |
|--|---|---|---|---|
|  |  |  |  |  |
| 50 mm <sup>2</sup>                                     | 10 Nm   | 10 Nm   | 14 Nm   | 14 Nm   |
| 35 mm <sup>2</sup>                                     |   |   | 14 Nm   | 14 Nm   |
| 25 mm <sup>2</sup>                                     |   |   | 12 Nm   | 10 Nm   |
| 16 mm <sup>2</sup>                                     | 8 Nm  | 8 Nm  | 10 Nm   | 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)   |   |   |   |

| Input (x1) / Output (x1)                            | Copper  |   | Aluminium   |   |
|---|---|---|---|---|
|   |  |  |  |  |
| AWG 1/0   | 123.9Lb In.   | 123.9Lb In.   | 123.9Lb In.   | 123.9Lb In.   |
| AWG 2   |   |   | 123.9Lb In.   | 123.9Lb In.   |
| AWG 4   |   |   | 123.9Lb In.   | 123.9Lb In.   |
| AWG 6   |   |   | 123.9Lb In.   | 123.9Lb In.   |
| AWG 8   |   |   | 123.9Lb In.   | 123.9Lb In.   |
| AWG 10  |   |   | 123.9Lb In.   | 123.9Lb In.   |
| 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**

