

**WPD 130 1X50/1X50 BK****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    | Potential distributor terminal, Screw connection, black, 50 mm², 150 A, 1000 V, Number of connections: 2, Number of levels: 1 |
| Order No.  | <a href="#">2502570000</a>                                                                                                    |
| Type       | WPD 130 1X50/1X50 BK                                                                                                          |
| GTIN (EAN) | 4050118516296                                                                                                                 |
| Qty.       | 9 pc(s).                                                                                                                      |

## WPD 130 1X50/1X50 BK

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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      | 22 mm | Width (inches)  | 0.866 inch |
| Net weight | 39 g  |                 |            |

## Temperatures

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 120 °C        |

## Material data

|                           |       |        |       |
|---------------------------|-------|--------|-------|
| Material                  | Wemid | Colour | black |
| 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 | 2                | Levels cross-connected internally | No    |
| PE connection                       | No               | Rail                              | TS 35 |
| PE function                         | No               |                                   |       |

## Additional technical data

|                          |         |                     |                                |
|--------------------------|---------|---------------------|--------------------------------|
| Explosion-tested version | Yes     | Installation advice | Terminal rail / mounting plate |
| Type of mounting         | Snap-on |                     |                                |

## Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

## Conductors for clamping (rated connection)

|                                          |                          |                  |
|------------------------------------------|--------------------------|------------------|
| Clampable conductor                      | Connection specification | Screw connection |
| Clamping range, max.                     | 50 mm <sup>2</sup>       |                  |
| Clamping range, min.                     | 2.5 mm <sup>2</sup>      |                  |
| Connection cross-section, stranded, max. | 50 mm <sup>2</sup>       |                  |
| Connection direction                     | on side                  |                  |
| Number of connections                    | 2                        |                  |
| Type of connection                       | Screw connection         |                  |
| Type of connection 2                     | Screw connection         |                  |
| Wire connection cross section AWG, max.  | AWG 1/0                  |                  |
| Wire connection cross section AWG, min.  | AWG 10                   |                  |

Creation date May 11, 2025 9:20:22 PM CEST

## WPD 130 1X50/1X50 BK

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

|                                                      |                   |
|------------------------------------------------------|-------------------|
| 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. | 35 mm <sup>2</sup> |
|-----------------------------------------------------------------------------------------|--------------------|

|                                                 |                    |
|-------------------------------------------------|--------------------|
| Wire connection cross-section, solid core, max. | 50 mm <sup>2</sup> |
|-------------------------------------------------|--------------------|

## General

|                                         |                                |                                         |                             |
|-----------------------------------------|--------------------------------|-----------------------------------------|-----------------------------|
| Installation advice                     | Terminal rail / mounting plate | Number of poles                         | 1                           |
| Rail                                    | TS 35                          | Standards                               | IEC 60947-7-1, UL 1059, CSA |
| Wire connection cross section AWG, max. | AWG 1/0                        | Wire connection cross section AWG, min. | AWG 10                      |

## Rating data

|                                 |                             |                                              |         |
|---------------------------------|-----------------------------|----------------------------------------------|---------|
| Rated cross-section             | 50 mm <sup>2</sup>          | Rated voltage                                | 1,000 V |
| Rated AC voltage                | 1,000 V                     | Rated DC voltage                             | 1,000 V |
| Rated current                   | 150 A                       | Current at maximum wires                     | 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 |
|-------------------------|--------|

## 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 without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Important note

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

## WPD 130 1X50/1X50 BK

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



Approvals MAMID

[https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319217/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319222/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319213/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319230/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319234/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319236/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319236/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319240/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319260/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319263/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/)

|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E60693     |

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">UKCA Ex Attestation of Conformity</a><br><a href="#">CB Certificate</a><br><a href="#">FIMKO certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">ATEX Certificate</a><br><a href="#">IECEX Certificate</a><br><a href="#">UKCA Ex Certificate</a><br><a href="#">LMP 23.0563U- WPD (Rev. 0)</a><br><a href="#">DNV Certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| User Documentation                          | <a href="#">DATA SHEET WPD 130</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI WPD 130</a><br><a href="#">Manual - How to connect aluminum wires in WPD-Terminal blocks</a><br><a href="#">Torque Conductor Connection Data WPD EN</a><br><a href="#">Drehmoment Leiteranschlussdaten WPD DE</a>                                                                                                                                                                                                        |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## WPD 130 1X50/1X50 BK

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

www.weidmueller.com

## Drawings

50 mm<sup>2</sup> — 50 mm<sup>2</sup>

Conductor connection data according to IEC 60947-7-1 (Cu)

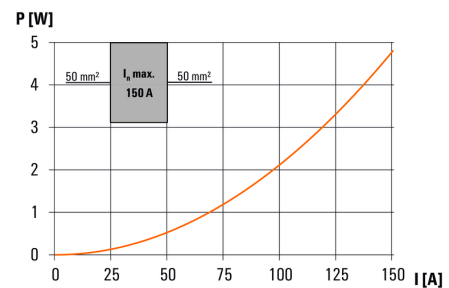
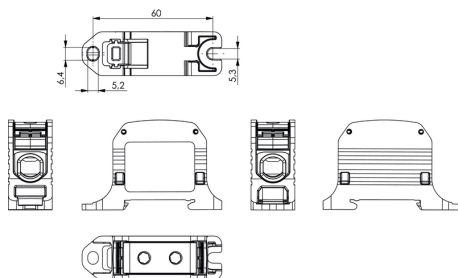
| Input (x1) / Output (x1)                               | Copper                                                                              |                                                                                     | Aluminum                                                                            |                                                                                     |
|--------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                        |  |  |  |  |
| 50 mm <sup>2</sup>                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 35 mm <sup>2</sup>                                     | 10 Nm                                                                               |                                                                                     | 14 Nm                                                                               | 14 Nm                                                                               |
| 25 mm <sup>2</sup>                                     |                                                                                     | 10 Nm                                                                               |                                                                                     |                                                                                     |
| 16 mm <sup>2</sup>                                     | 8 Nm                                                                                | 8 Nm                                                                                | 12 Nm                                                                               | 10 Nm                                                                               |
| 10 mm <sup>2</sup>                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 6 mm <sup>2</sup>                                      | 6 Nm                                                                                | 6 Nm                                                                                |                                                                                     |                                                                                     |
| 4 mm <sup>2</sup>                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 2.5 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

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

| Input (x1) / Output (x1)                            | Copper                                                                              |                                                                                     | Aluminum                                                                            |                                                                                     |
|-----------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                     |  |  |  |  |
| AWG 1/0                                             |                                                                                     |                                                                                     | 123.9Lb In.                                                                         | 123.9Lb In.                                                                         |
| AWG 2                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| AWG 4                                               | 123.9Lb In.                                                                         |                                                                                     |                                                                                     |                                                                                     |
| AWG 6                                               |                                                                                     | 123.9Lb In.                                                                         |                                                                                     |                                                                                     |
| 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)                                                                       |                                                                                     |                                                                                     |                                                                                     |

 Stranded    
  Solid    
  Flexible with ferrule    
  Sector shaped



## WPD 130 1X50/1X50 BK

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

|            |                            |                                                           |
|------------|----------------------------|-----------------------------------------------------------|
| Type       | DEK 5/5 MC NE WS           | Version                                                   |
| Order No.  | <a href="#">1609801044</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111              | Weidmueller, white                                        |
| Qty.       | 1,000 pc(s).               |                                                           |

## Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon<sup>®</sup> Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

## General ordering data

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | BZT 1 WS 10/5              | Version                    |
| Order No.  | <a href="#">1805490000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231              |                            |
| Qty.       | 100 pc(s).                 |                            |

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | BZT 1 ZA WS 10/5           | Version                    |
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248              |                            |
| Qty.       | 100 pc(s).                 |                            |

## WPD 130 1X50/1X50 BK

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## Protective covers



## Power feed-in

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

## General ordering data

|            |                            |                              |
|------------|----------------------------|------------------------------|
| Type       | WPDPC X30 GY               | Version                      |
| Order No.  | <a href="#">2503330000</a> | Cover hood (terminal), Wemid |
| GTIN (EAN) | 4050118533323              |                              |
| Qty.       | 54 pc(s).                  |                              |

## Socket wrench sets



Allen key made from fully hardened, high-alloy chromium-vanadium- steel, acc. to DIN ISO 2936 L (DIN 911), high-quality refined surface.

## General ordering data

|            |                            |                 |
|------------|----------------------------|-----------------|
| Type       | SK WSD-S 1,5-10,0          | Version         |
| Order No.  | <a href="#">9008850000</a> | Mounting tool   |
| GTIN (EAN) | 4032248266609              |                 |
| Qty.       | 1 pc(s).                   |                 |
| Type       | SKS 2,0-8,0 MR             | Version         |
| Order No.  | <a href="#">9008870000</a> | socket wrenches |
| GTIN (EAN) | 4032248266623              |                 |
| Qty.       | 1 pc(s).                   |                 |

## 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

50 mm<sup>2</sup> 50 mm<sup>2</sup>

#### 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                                                 |                 |

#### 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 |

WPD 230

50 mm<sup>2</sup>



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

#### 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

#### Ordering data

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

| 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.  |
|----------------------|------|------------|
| 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 |

#### Accessories

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

| 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 |

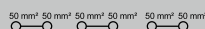
| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| WPDPC X30 GY      | 54   | 2503330000 |
| WEW 35/2 GR 7042  | 100  | 1859200000 |
| AEB 35 SC/1 BK    | 50   | 2475310000 |
| SK WSD-S 1,5-10,0 | 1    | 9008850000 |
| DEK 5/5 MC NE WS  | 1000 | 1609801044 |
| WS 8/5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



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

