

**WPD 233 2X300/2X300 BK****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image****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**

|            |   |
|------------|---|
| Version    | W-Series, Distribution block, Rated cross-section: 300 mm <sup>2</sup> , Terminal rail / mounting plate |
| Order No.  | <a href="#">2502940000</a>  |
| Type       | WPD 233 2X300/2X300 BK  |
| GTIN (EAN) | 4050118516760   |
| Qty.       | 1 pc(s).  |

Creation date January 10, 2022 10:43:37 PM CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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**Technical data**
**Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 83.5 mm | Depth (inches)  | 3.287 inch |
| Height     | 118 mm  | Height (inches) | 4.646 inch |
| Width      | 82.6 mm | Width (inches)  | 3.252 inch |
| Net weight | 628 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 | black |
| UL 94 flammability rating | V-0   |        |       |

**Rating data IECEx/ATEX**

|                                |                     |                         |                   |
|--------------------------------|---------------------|-------------------------|-------------------|
| Certificate No. (ATEX)         | CNEX18ATEX0016U     | Certificate No. (IECEX) | IECEXCNEX18.0010U |
| Max. voltage (ATEX)            | 1100 V              | Current (ATEX)          | 520 A             |
| Wire cross section max. (ATEX) | 300 mm <sup>2</sup> | Max. voltage (IECEX)    | 1100 V            |
| Current (IECEX)                | 520 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                          | 300 mm <sup>2</sup> | Rated voltage                   | 1,000                       |
| Rated AC voltage                             | 1,000 V             | Rated DC voltage                | 1,000 V DC                  |
| Rated current                                | 520 A               | Standards                       | IEC 60947-7-1, UL 1059, CSA |
| Volume resistance according to IEC 60947-7-x | 0.06 mΩ             | Rated impulse withstand voltage | 8 kV                        |
| Power loss in accordance with IEC 60947-7-x  | 16.64 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 233</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">NTI WPD 233</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |

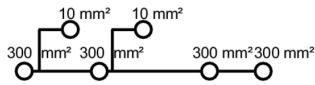
**Data sheet**

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**Drawings**



## Power feed-in

### Screw connection

#### W-Series

#### WPD 133 1X300/1X300 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                               | 300 mm <sup>2</sup> mm <sup>2</sup>                    |
|  | Auxiliary connection 6 mm <sup>2</sup> 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                                     | 300 mm <sup>2</sup> mm <sup>2</sup>                    |
|  | Auxiliary connection 6 mm <sup>2</sup> mm <sup>2</sup> |
| Flexible with ferrule                                | 300 mm <sup>2</sup> mm <sup>2</sup>                    |
|  | Auxiliary connection 6 mm <sup>2</sup> mm <sup>2</sup> |
| Stripping length / Blade size                        | 300 mm <sup>2</sup> mm/-                               |
|  | Auxiliary connection 6 mm <sup>2</sup> mm/-            |
| Tightening torque                                    | Nm   |
| <b>Note</b>  |  |

#### Ordering data

|                |            |
|----------------|------------|
| <b>Version</b> |            |
|                | light grey |
|                | blue       |
|                | green      |
|                | brown      |
|                | black      |
| <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 133

**300 mm<sup>2</sup>**


|                 |  |
|-----------------|--|
| 45 / 83.5 / 118 |  |
| 520 / 300       |  |
| 35...300        |  |

#### IEC 60947-7-1

| IEC       | UL                | CSA               | EN 60079-7 |
|-----------|-------------------|-------------------|------------|
| 1000      | 1000              | 1000              | 1100       |
| 520       | 420               | 420               | 340        |
| 300       | AWG 2...kcmil 600 | AWG 2...kcmil 600 | 300        |
| 6         | AWG 16...8        | AWG 16...8        | 6          |
| 8 kV / 3  |                   |                   |            |
| III / V-0 |                   |                   |            |

|  |  |
|--|--|
| <b>Rated connection</b>                |  |
| 150...300 / 150...300                  |  |
| 1.5...10 / 1.5...10                    |  |
| 35...240                               |  |
| 1.5...6                                |  |
| 34 / M24 (SW 12)                       |  |
| 10 / M4 (+/- PZ2)                      |  |
| see appendix at the end of the chapter |  |

| Type                   | Qty. | Order No.  |
|------------------------|------|------------|
| WPD 133 1X300/1X300 GY | 1    | 2502850000 |
| WPD 133 1X300/1X300 BL | 1    | 2502860000 |
| WPD 133 1X300/1X300 GN | 1    | 2502870000 |
| WPD 133 1X300/1X300 BN | 1    | 2502880000 |
| WPD 133 1X300/1X300 BK | 1    | 2502890000 |

| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| WPDPC X33 GY      | 8    | 2503390000 |
| 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 233

**300 mm<sup>2</sup>**


|                   |  |
|-------------------|--|
| 82.6 / 83.5 / 118 |  |
| 520 / 300         |  |
| 35...300          |  |

#### IEC 60947-7-1






| IEC       | UL                | CSA               | EN 60079-7 |
|-----------|-------------------|-------------------|------------|
| 1000      | 1000              | 1000              | 1100       |
| 1040      | 420               | 420               | 340        |
| 300       | AWG 2...kcmil 600 | AWG 2...kcmil 600 | 300        |
| 6         | AWG 16...8        | AWG 16...8        | 6          |
| 8 kV / 3  |                   |                   |            |
| III / V-0 |                   |                   |            |





|  |  |
|--|--|
| <b>Rated connection</b>                |  |
| 150...300 / 150...300                  |  |
| 1.5...10 / 1.5...10                    |  |
| 35...240                               |  |
| 1.5...6                                |  |
| 34 / M24 (SW 12)                       |  |
| 10 / M4 (+/- PZ2)                      |  |
| see appendix at the end of the chapter |  |

| Type                   | Qty. | Order No.  |
|------------------------|------|------------|
| WPD 233 2X300/2X300 GY | 1    | 2502900000 |
| WPD 233 2X300/2X300 BL | 1    | 2502910000 |
| WPD 233 2X300/2X300 GN | 1    | 2502920000 |
| WPD 233 2X300/2X300 BN | 1    | 2502930000 |
| WPD 233 2X300/2X300 BK | 1    | 2502940000 |



| Type              | Qty. | Order No.  |
|-------------------|------|------------|
| WPDPC X33 GY      | 8    | 2503390000 |
| 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 |



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

| Input (x1) / Output (x1)                                | Copper  |   |   | Aluminium   |   |
|---|---|---|---|---|---|
|   |  |  |  |  |  |
| 300 mm <sup>2</sup>                                     | 45 Nm   | 45 Nm   | 65 Nm   | 65 Nm   | 65 Nm   |
| 240 mm <sup>2</sup>                                     |   |   |   |   |   |
| 185 mm <sup>2</sup>                                     |   |   |   |   |   |
| 150 mm <sup>2</sup>                                     |   |   |   |   |   |
| 120 mm <sup>2</sup>                                     | 30 Nm   | 65 Nm   | 65 Nm   | 65 Nm   | 65 Nm   |
| 95 mm <sup>2</sup>                                      |   |   |   |   |   |
| 70 mm <sup>2</sup>                                      |   |   |   |   |   |
| 50 mm <sup>2</sup>                                      |   |   |   |   |   |
| 35 mm <sup>2</sup>                                      | 65 Nm   | 65 Nm   | 65 Nm   | 65 Nm   | 65 Nm   |
| Flat band 10x20x1 mm                                    |   |   |   |   |   |
| Max. current with 2 x 300 mm <sup>2</sup> (acc. to IEC) | 1040 A  |   |   | 340 A   |   |
| Stripping lengths                                       | 34 mm   |   |   |   |   |
| Allen screw   | M24 (SW 12 mm)  |   |   |   |   |

| Input (x1) / Output (x1)                             | Copper  |   | Aluminium   |   |
|--|---|---|---|---|
|  |  |  |  |  |
| 600 kcmil  | 300Lb In.   | 300Lb In.   | 575Lb In.   | 575Lb In.   |
| 500 kcmil  |   |   |   |   |
| 350 kcmil  |   |   |   |   |
| 300 kcmil  |   |   |   |   |
| 250 kcmil  | 200Lb In.   | 200Lb In.   | 200Lb In.   | 200Lb In.   |
| AWG 3/0  |   |   |   |   |
| AWG 2/0  |   |   |   |   |
| AWG 1  |   |   |   |   |
| AWG 2  | 200Lb In.   | 200Lb In.   | 200Lb In.   | 200Lb In.   |
| Max. current at 1 x 300 mm <sup>2</sup> (acc. to UL) |   |   |   |   |
| Stripping lengths                                    | 34 mm   |   |   |   |
| Allen screw  | M24 (SW 12 mm)  |   |   |   |

Auxiliary connection

|                     | Copper  |   |
|---------------------|---|---|
|                     |  |  |
| 10 mm <sup>2</sup>  | 1,2 Nm  | 1,2 Nm  |
| 6 mm <sup>2</sup>   |   |   |
| 4 mm <sup>2</sup>   |   |   |
| 2.5 mm <sup>2</sup> |   |   |
| 1.5 mm <sup>2</sup> |   |   |
| max. current        | 57 A  |   |
| Stripping lengths   | 10 mm   |   |
| screw               | M4 (+/-PZ2)   |   |

|                   | Copper  |   |
|-------------------|---|---|
|                   |  |  |
| AWG 8             | 20.3Lb In.  | 20.3Lb In.  |
| AWG 10            |   |   |
| AWG 12            |   |   |
| AWG 14            |   |   |
| AWG 16            |   |   |
| max. current      | 57 A  |   |
| Stripping lengths | 10 mm   |   |
| screw             | M4 (+/- PZ2)  |   |



Drawings

