

WPD 132 1X185/1X185 BN

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: 185 mm ² , Terminal rail / mounting plate |
| Order No. | 2502780000 |
| Type | WPD 132 1X185/1X185 BN |
| GTIN (EAN) | 4050118516609 |
| Qty. | 1 pc(s). |

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

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Technical data
Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 73.5 mm | Depth (inches) | 2.894 inch |
| Height | 105 mm | Height (inches) | 4.134 inch |
| Width | 37.5 mm | Width (inches) | 1.476 inch |
| Net weight | 204 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 | brown |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---------------------|-------------------------|------------------|
| Certificate No. (ATEX) | CNEX18ATEX0016U | Certificate No. (IECEX) | IECEXNEX18.0010U |
| Max. voltage (ATEX) | 1100 V | Current (ATEX) | 353 A |
| Wire cross section max. (ATEX) | 185 mm ² | Max. voltage (IECEX) | 1100 V |
| Current (IECEX) | 353 A | | |

System specifications

| | | | |
|---------|------------------|------------------|---|
| Version | Screw connection | Number of levels | 1 |
|---------|------------------|------------------|---|

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 | 185 mm ² | Rated voltage | 1,000 |
| Rated AC voltage | 1,000 V | Rated DC voltage | 1,000 V DC |
| Rated current | 353 A | Standards | IEC 60947-7-1, UL 1059, CSA |
| Volume resistance according to IEC 60947-7-x | 0.09 mΩ | Rated impulse withstand voltage | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 11.3 W | Pollution severity | 3 |
| Surge voltage category | III | | |

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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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CB Certificate FIMKO certificate EAC EX Certificate CCC Ex Certificate ATEX Certificate IECEX Certificate DNV Certificate CE Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN |
| User Documentation | StorageConditionsTerminalBlocks NTI WPD 132 |
| Catalogues | Catalogues in PDF-format |

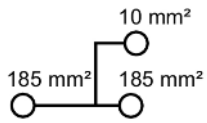
Data sheet

WPD 132 1X185/1X185 BN

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Drawings



Power feed-in

Screw connection

W-Series

WPD 132 1X185/1X185 GY



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

Technical data

| Rated data | |
|--|-----------------|
| Rated voltage | V |
| Rated current | A |
| for wire cross-section | mm ² |
| Auxiliary connection 6 mm ² | mm ² |
| Rated impulse withstand voltage / Pollution severity | |
| Overvoltage category / UL 94 flammability rating | |
| Approvals | |
| Clamped conductors (H05V/H07V) | |
| Solid / Stranded | mm ² |
| Auxiliary connection 6 mm ² | mm ² |
| Flexible with ferrule | mm ² |
| Auxiliary connection 6 mm ² | mm ² |
| Stripping length / Blade size | mm/- |
| Auxiliary connection 6 mm ² | mm/- |
| Tightening torque | Nm |
| Note | |

Ordering data

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

Accessories

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

WPD 132

185 mm²


| | |
|-------------------|--|
| 37,5 / 73,5 / 105 | |
| 353 / 185 | |
| 25...185 | |

IEC 60947-7-1

| IEC | UL | CSA | EN 60079-7 |
|-----------|-------------------|-------------------|------------|
| 1000 | 1000 | 1000 | 1100 |
| 353 | 310 | 310 | 353 |
| 185 | AWG 4...kcmil 350 | AWG 4...kcmil 350 | 185 |
| 6 | AWG 16...8 | AWG 16...8 | 6 |
| 8 kV / 3 | | | |
| III / V-0 | | | |

| Rated connection | |
|--|--|
| 95...185 / 95...185 | |
| 1.5...10 / 1.5...10 | |
| 25...150 | |
| 1.5...6 | |
| 29 / M18 (SW 10) | |
| 10 / M4 (+/- PZ2) | |
| see appendix at the end of the chapter | |

| Type | Qty. | Order No. |
|------------------------|------|------------|
| WPD 132 1X185/1X185 GY | 1 | 2502750000 |
| WPD 132 1X185/1X185 BL | 1 | 2502760000 |
| WPD 132 1X185/1X185 GN | 1 | 2502770000 |
| WPD 132 1X185/1X185 BN | 1 | 2502780000 |
| WPD 132 1X185/1X185 BK | 1 | 2502790000 |

| Type | Qty. | Order No. |
|-------------------|------|------------|
| WPDPC X32 GY | 12 | 2503380000 |
| 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 232

185 mm²


| | |
|-------------------|--|
| 67,6 / 73,5 / 105 | |
| 353 / 185 | |
| 25...185 | |

IEC 60947-7-1










| IEC | UL | CSA | EN 60079-7 |
|-----------|-------------------|-------------------|------------|
| 1000 | 1000 | 1000 | 1100 |
| 706 | 310 | 310 | 353 |
| 185 | AWG 4...kcmil 350 | AWG 4...kcmil 350 | 185 |
| 6 | AWG 16...8 | AWG 16...8 | 6 |
| 8 kV / 3 | | | |
| III / V-0 | | | |







| Rated connection | |
|--|--|
| 95...185 / 95...185 | |
| 1.5...10 / 1.5...10 | |
| 25...150 | |
| 1.5...6 | |
| 29 / M18 (SW 10) | |
| 10 / M4 (+/- PZ2) | |
| see appendix at the end of the chapter | |

| Type | Qty. | Order No. |
|------------------------|------|------------|
| WPD 232 2X185/2X185 GY | 1 | 2502800000 |
| WPD 232 2X185/2X185 BL | 1 | 2502810000 |
| WPD 232 2X185/2X185 GN | 1 | 2502820000 |
| WPD 232 2X185/2X185 BN | 1 | 2502830000 |
| WPD 232 2X185/2X185 BK | 1 | 2502840000 |



| Type | Qty. | Order No. |
|-------------------|------|------------|
| WPDPC X32 GY | 12 | 2503380000 |
| 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)

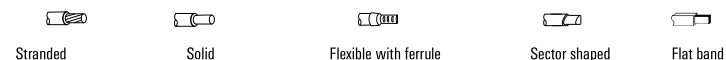
| Input (x1) / Output (x1) | Copper | | | Aluminium | |
|---|---|---|---|---|---|
| |  |  |  |  |  |
| 185 mm ² | 25 Nm | 25 Nm |  | 30,9 Nm | 30,9 Nm |
| 150 mm ² | | | | | |
| 120 mm ² | | | | | |
| 95 mm ² | | | | | |
| 70 mm ² | 20 Nm |  |  |  | |
| 50 mm ² | | | | | |
| 35 mm ² | | | | | |
| 25 mm ² | | | | | |
| Flat band 10x15,5x0,8 mm | | | 30,9 Nm | | |
| max. current with 2 x 185 mm ² (acc. to IEC) | 706 A | | | 284 A | |
| Stripping lengths | 29 mm | | | | |
| Allen screw | M18 (SW 10 mm) | | | | |

| Input (x1) / Output (x1) | Copper | | Aluminium | |
|--|---|---|---|---|
| |  |  |  |  |
| 350 kcmil | 250Lb In. | 250Lb In. | 398Lb In. | 398Lb In. |
| 300 kcmil | | | | |
| 250 kcmil | | | | |
| AWG 3/0 | | | | |
| AWG 2/0 | 200Lb In. |  |  | |
| AWG 1/0 | | | | |
| AWG 2 | | | | |
| AWG 4 | | | | |
| max. current with 1 x 185 mm ² (acc. to UL) | 310 A | | 250 A | |
| Stripping lengths | 29 mm | | | |
| Allen screw | M18 (SW 10 mm) | | | |

Auxiliary connection

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

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



Diagrams

