

WPD 233 2X300/2X300 BK

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

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, 300 mm ² , 520 A, 1000 V, Number of connections: 4, Number of levels: 1 |
| Order No. | 2502940000 |
| Type | WPD 233 2X300/2X300 BK |
| GTIN (EAN) | 4050118516760 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



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

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 83.5 mm | Depth (inches) | 3.2874 inch |
| Height | 118 mm | Height (inches) | 4.6457 inch |
| Width | 82.6 mm | Width (inches) | 3.252 inch |
| Net weight | 628 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -50 °C...75 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Material data

| | | | |
|---------------------------|-------|--------|-------|
| Basic 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 ² | 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 | Levels cross-connected internally | No |
| PE connection | No | Mounting rail | TS 35 |
| PE function | No | | |

Additional technical data

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

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Technical data

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

| | | | |
|-----------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------|---------------------|
| Wire connection cross section AWG, max. | kcmil 500 | Connection direction | on side |
| Type of connection 2 | Screw connection | Type of connection | Screw connection |
| Number of connections | 4 | Clamping range, max. | 300 mm ² |
| Clamping range, min. | 35 mm ² | Wire connection cross section AWG, min. | AWG 16 |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 35 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 240 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 35 mm ² | Wire connection cross section, finely stranded, max. | 300 mm ² |
| Wire connection cross section, finely stranded, min. | 35 mm ² | Connection cross-section, stranded, max. | 300 mm ² |
| Connection cross-section, stranded, min. | 35 mm ² | Wire connection cross-section, solid core, max. | 300 mm ² |
| Wire connection cross-section, solid core, min. | 35 mm ² | | |

General

| | | | |
|---------------------|--------------------------------|-----------------------------------------|-----------|
| Number of poles | 1 | Wire connection cross section AWG, max. | kcmil 500 |
| Installation advice | Terminal rail / mounting plate | Wire connection cross section AWG, min. | AWG 16 |
| Standards | IEC 60947-7-1, UL 1059, CSA | Mounting rail | TS 35 |

Rating data

| | | | |
|---------------------------------|-----------------------------|----------------------------------------------|---------|
| Rated cross-section | 300 mm ² | Rated voltage | 1000 V |
| Rated AC voltage | 1000 V | Rated DC voltage | 1000 V |
| Nominal current | 520 A | Current at maximum wires | 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 |
| Surge voltage category | III | Pollution severity | 3 |

UL rating data

Certificate No. (cURus) E60693

Important note

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-19 |
| ECLASS 15.0 | 27-25-01-19 | | |

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Drawings

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

| Input (x1) / Output (x1) | Copper | | Aluminum | |
|---------------------------------------------|----------------|---|----------|-------|
| | □ | □ | □ | □ |
| 300 mm² | | | | |
| 240 mm² | | | | |
| 185 mm² | 45 Nm | | 65 Nm | 65 Nm |
| 150 mm² | | | | |
| 120 mm² | | | | |
| 95 mm² | | | | |
| 70 mm² | | | | |
| 50 mm² | | | | |
| 35 mm² | | | | |
| Flat band 15x25x1 mm | | | 65 Nm | |
| Max. current with 2 x 300 mm² (acc. to IEC) | 1040 A | | 940 A | |
| Stripping lengths | 34 mm | | | |
| Allen screw | M24 (SW 12 mm) | | | |

Auxiliary connection

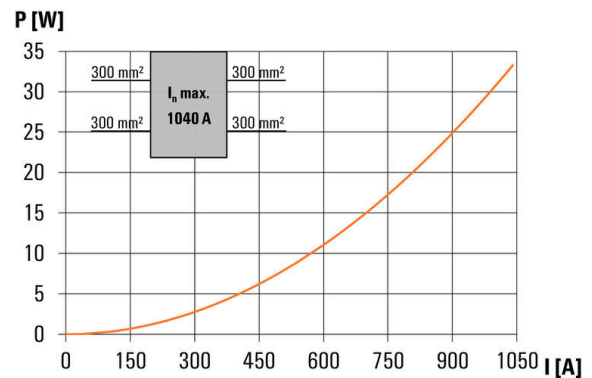
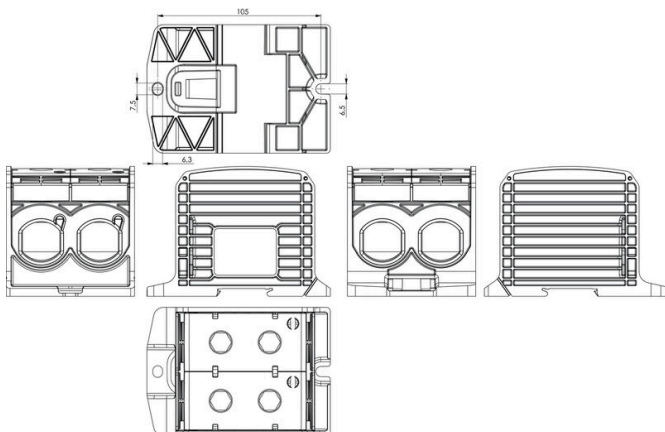
| | Copper | |
|-------------------|------------|--------|
| | □ | □ |
| 10 mm² | | |
| 6 mm² | | |
| 4 mm² | 1,2 Nm | 1,2 Nm |
| 2,5 mm² | | |
| 1,5 mm² | | |
| max. current | 57 A | |
| Stripping lengths | 10 mm | |
| Screw | M4 (+ PZ2) | |

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

| Input (x1) / Output (x1) | Copper | | Aluminum | |
|------------------------------------------|----------------|------------|------------|------------|
| | □ | □ | □ | □ |
| 600 kcmil | | | | |
| 500 kcmil | | | | |
| 300 kcmil | 300 lb ft. | | 575 lb ft. | 575 lb ft. |
| 300 kcmil | | 300 lb ft. | | |
| 250 kcmil | | | | |
| AWG 3/0 | | | | |
| AWG 2/0 | | | | |
| AWG 1 | 200 lb ft. | | | |
| AWG 2 | | | | |
| Max. current at 1 x 300 mm² (acc. to UL) | 820 A | | 340 A | |
| Stripping lengths | 34 mm | | | |
| Allen screw | M24 (SW 12 mm) | | | |

Auxiliary connection

| | Copper | |
|-------------------|------------|-----------|
| | □ | □ |
| AWG 8 | | |
| AWG 10 | | |
| AWG 12 | 20 lb ft. | 20 lb ft. |
| AWG 14 | | |
| AWG 16 | | |
| max. current | 57 A | |
| Stripping lengths | 10 mm | |
| Screw | M4 (+ PZ2) | |



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Accessories

Cover



Our systems for touch protection ensure greater safety in your cabinet. They provide protection against electric shock caused by accidental contact with live parts due to operation or faults.

General ordering data

| | | | |
|------------|----------------------------|---------|------------------------------|
| Type | WPDPC X33 GY | Version | |
| Order No. | 2503390000 | Version | Cover hood (terminal), Wemid |
| GTIN (EAN) | 4050118533354 | | |
| Qty. | 8 ST | | |

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. | 1609801044 | Version | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111 | | Weidmueller, white |
| Qty. | 1000 ST | | |

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.



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Accessories

General ordering data

| | | |
|------------|----------------------------|-----------------|
| Type | SK WSD-S 1,5-10,0 | Version |
| Order No. | 9008850000 | Mounting tool |
| GTIN (EAN) | 4032248266609 | |
| Qty. | 1 ST | |
| Type | SKS 2,0-8,0 MR | Version |
| Order No. | 9008870000 | socket wrenches |
| GTIN (EAN) | 4032248266623 | |
| Qty. | 1 ST | |

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® 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. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 ST | |
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 ST | |