

WPD 111 1X95/4X35 BL

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

www.weidmueller.com



Our WPD 1XX distribution blocks are used in all situations where power is supplied and distributed. Their user-friendly design creates a better overview and enables Rapid, efficient implementation of space-saving power distribution.

General ordering data

| | |
|------------|---|
| Version | Potential distributor terminal, Screw connection, blue, 95 mm ² , 232 A, 1000 V, Number of connections: 5, Number of levels: 1 |
| Order No. | 2603800000 |
| Type | WPD 111 1X95/4X35 BL |
| GTIN (EAN) | 4050118681277 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



| | |
|-------------------------|----------------------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |
| Certificate no. (cULus) | E511333 |

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 69.4 mm | Depth (inches) | 2.7323 inch |
| Height | 105 mm | Height (inches) | 4.1338 inch |
| Width | 36.6 mm | Width (inches) | 1.4409 inch |
| Net weight | 240 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -50 °C...85 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 130 °C |

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2 |

Material data

| | | | |
|---------------------------|-------|--------|------|
| Basic material | Wemid | Colour | blue |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------------|-----------------------|-----------------------------------|----|
| Version | Screw connection | End cover plate required | No |
| Number of potentials | 1 | Number of levels | 1 |
| Number of clamping points per level | 5 | Levels cross-connected internally | No |
| Mounting rail | TS 35, Mounting plate | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

| | | | |
|---------------------|--------------------------------|--------------------------|-----|
| Open sides | closed | Snap-on | Yes |
| Installation advice | Terminal rail / mounting plate | Explosion-tested version | Yes |
| Type of mounting | Snap-on, Direct mounting | | |

Conductors for clamping (additional connection)

| | |
|--|------------------|
| Connection type, additional connection | Screw connection |
|--|------------------|

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Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|--------------------|
| Wire connection cross section AWG, max. | AWG 4/0 | Connection direction | on side |
| Type of connection 2 | Screw connection | Type of connection | Screw connection |
| Number of connections | 5 | Clamping range, max. | 95 mm ² |
| Clamping range, min. | 2.5 mm ² | Wire connection cross section AWG, min. | AWG 12 |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 2.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 70 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 2.5 mm ² | Wire connection cross section, finely stranded, max. | 0 mm ² |
| Wire connection cross section, finely stranded, min. | 2.5 mm ² | Connection cross-section, stranded, max. | 95 mm ² |
| Connection cross-section, stranded, min. | 2.5 mm ² | Wire connection cross-section, solid core, max. | 95 mm ² |
| Wire connection cross-section, solid core, min. | 2.5 mm ² | | |

General

| | | | |
|---------------------|--------------------------------|---|-----------------------|
| Number of poles | 1 | Wire connection cross section AWG, max. | AWG 4/0 |
| Installation advice | Terminal rail / mounting plate | Wire connection cross section AWG, min. | AWG 12 |
| Standards | IEC 60947-7-1 | Mounting rail | TS 35, Mounting plate |

Rating data

| | | | |
|------------------------|--------------------|---------------------------------|--------|
| Rated cross-section | 95 mm ² | Rated voltage | 1000 V |
| Rated AC voltage | 1000 V | Rated DC voltage | 1500 V |
| Nominal current | 232 A | Current at maximum wires | 232 A |
| Standards | IEC 60947-7-1 | Rated impulse withstand voltage | 8 kV |
| Surge voltage category | III | Pollution severity | 3 |

UL rating data

| | |
|-------------------------|--------|
| Certificate No. (cURus) | E60693 |
|-------------------------|--------|

Important note

| | |
|---------------------|--|
| Product information | The socket complies with flammability class V-2 according to UL94. |
|---------------------|--|

Classifications

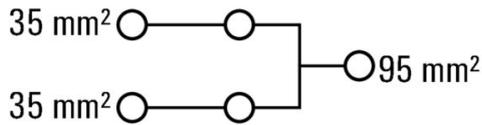
| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-19 |
| ECLASS 15.0 | 27-25-01-19 | | |

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Drawings

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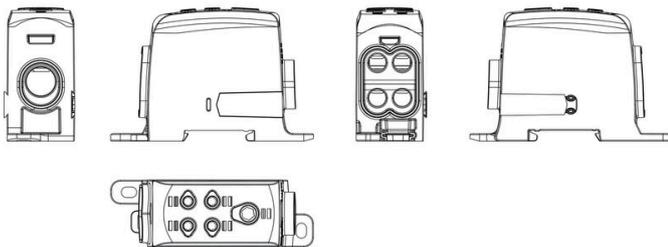
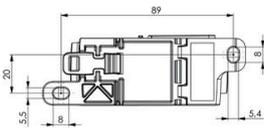
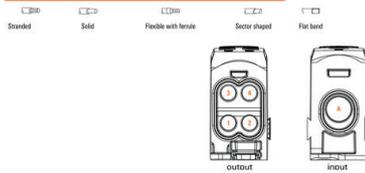
Conductor connection data according to IEC 60947-1 (Cu)

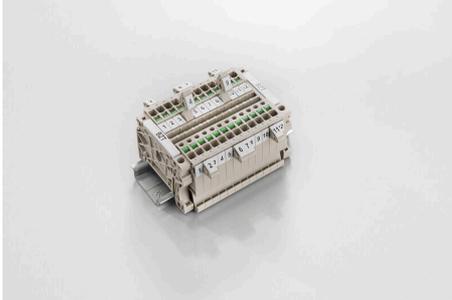
| Input | connection point A | | Output | connection point A | |
|------------------|--------------------|----------|------------------|--------------------|----------|
| | Copper | Aluminum | | Copper | Aluminum |
| 1x 95 mm² | | | 1x 35 mm² | | |
| 95 mm² | | | 35 mm² | | |
| 70 mm² | | | 25 mm² | | |
| 50 mm² | 14 Nm | | 18 mm² | 6 Nm | 6 Nm |
| 35 mm² | | 14 Nm | 10 mm² | | |
| 25 mm² | | | 6 mm² | | |
| 16 mm² | | | 4 mm² | | |
| 10 mm² | | | 2.5 mm² | | |
| Stripping length | 21 mm | | Stripping length | 10 mm | |
| Allen screw | M12 | | Allen screw | M8 | |



Conductor connection data according to 1059 (Al+Cu)

| Input (line) | connection point A | | | | Output | connection point 1 / 2 / 3 / 4 | | |
|----------------------|--------------------|-------------|-------------|-------------|----------------------|--------------------------------|---------------|---------------|
| | Copper | Aluminum | Copper | Aluminum | | Copper | Aluminum | Aluminum |
| AWG 4/0 | | | | | AWG 2 | | | |
| AWG 3/0 | | | | | AWG 3 | | | |
| AWG 2/0 | | | | | AWG 4 | 124.8 lb. in. | 124.8 lb. in. | 124.8 lb. in. |
| AWG 1/0 | | | | | AWG 6 | | | |
| AWG 1 | 200 lb. in. | 200 lb. in. | 200 lb. in. | 200 lb. in. | AWG 8 | | | |
| AWG 2 | | | | | AWG 10 | | | |
| AWG 3 | | | | | AWG 12 | | | |
| AWG 4 | | | | | max. current | 115 A | 100 A | 90 A |
| AWG 6 | | | | | Voltage size B.C (V) | | 1000 V | |
| AWG 8 | | | | | | | | |
| Max. current | 230 A | 200 A | 180 A | 155 A | | | | |
| Voltage size B.C (V) | 1000 V | | | | | | | |



Accessories**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 | |