

WPD 107 1X95/2X35+8X25 BK

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, black, 95 mm ² , 270 A, 1000 V, Number of connections: 11, Number of levels: 1 |
| Order No. | 2725450000 |
| Type | WPD 107 1X95/2X35+8X25 BK |
| GTIN (EAN) | 4050118796131 |
| 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 | 54.5 mm | Depth (inches) | 2.1457 inch |
| Height | 73 mm | Height (inches) | 2.874 inch |
| Width | 51 mm | Width (inches) | 2.0079 inch |
| Net weight | 210 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 | e1c310ef-6b67-4efa-80a6-d307472f4de9 |

Material data

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

Rating data IECEx/ATEX

| | | | |
|--------------------------------|--------------------|-------------------------|-------------------|
| Certificate No. (ATEX) | CNEX16ATEX0005U | Certificate No. (IECEX) | IECEXCNEX16.0005U |
| Max. voltage (ATEX) | 440 V | Current (ATEX) | 232 A |
| Wire cross section max. (ATEX) | 95 mm ² | Max. voltage (IECEX) | 440 V |
| Current (IECEX) | 232 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 | Number of potentials per tier | 1 |
| Levels cross-connected internally | Yes | Mounting rail | Mounting plate, TS 35 |
| N-function | Yes | PE function | No |
| PEN function | No | | |

Additional technical data

| | | | |
|------------------|---------|--------------------------|-----|
| Open sides | closed | Explosion-tested version | Yes |
| Type of mounting | Snap-on | | |

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Technical data

CSA rating data

Certificate number (cCSAus) 70128467

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|--------------------|
| Wire connection cross section AWG, max. | AWG 3/0 | Connection direction | on side |
| Type of connection 2 | Screw connection | Type of connection | Screw connection |
| Number of connections | 11 | Clamping range, max. | 95 mm ² |
| Clamping range, min. | 1.5 mm ² | Wire connection cross section AWG, min. | AWG 16 |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 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. | 1.5 mm ² | Wire connection cross section, finely stranded, max. | 0 mm ² |
| Wire connection cross section, finely stranded, min. | 1.5 mm ² | Connection cross-section, stranded, max. | 95 mm ² |
| Connection cross-section, stranded, min. | 1.5 mm ² | Wire connection cross-section, solid core, max. | 95 mm ² |
| Wire connection cross-section, solid core, min. | 1.5 mm ² | | |

General

| | | | |
|---|-----------------------|---|------------------------|
| Number of poles | 1 | Wire connection cross section AWG, max. | AWG 3/0 |
| Wire connection cross section AWG, min. | AWG 16 | Standards | IEC 60947-7-1, UL 1059 |
| Mounting rail | Mounting plate, TS 35 | | |

Rating data

| | | | |
|---------------------|------------------------|---|--------|
| Rated cross-section | 95 mm ² | Rated voltage | 1000 V |
| Rated AC voltage | 1000 V | Rated DC voltage | 1500 V |
| Nominal current | 270 A | Current at maximum wires | 270 A |
| Standards | IEC 60947-7-1, UL 1059 | Power loss in accordance with IEC 60947-7-x | 2.70 W |

UL rating data

Certificate No. (cURus) E60693

Important note

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

Classifications

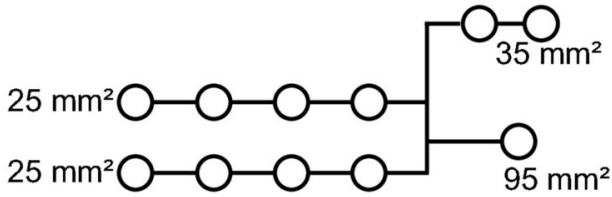
| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-19 |
| ECLASS 15.0 | 27-25-01-19 | | |

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Drawings

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

| Input | connection point A | | | | input |
|--------------------------------|--------------------|-----------|---------|-----------|-------|
| | Copper | Aluminum* | | Aluminum* | |
| 50 mm² | 14 Nm | 22.8 Nm | 22.8 Nm | | |
| 35 mm² | 14 Nm | | | | |
| 25 mm² | | | | | |
| 18 mm² | | | | | |
| 12 mm² | | | | | |
| 6 mm² | | | | | |
| 4 mm² | | | | | |
| 2.5 mm² | | | | | |
| 1.5 mm² | | | | | |
| Stripping lengths | 14 mm | | | | |
| Alarm screw | M12 | | | | |
| * Values according to IEC 1059 | | | | | |

| Output | connection point 1-8 | | connection point B | | output | |
|--------------------------------|----------------------|-----------|--------------------|-----------|--------|--|
| | Copper | Aluminum* | Copper | Aluminum* | | |
| 35 mm² | 2.5 Nm | 5.1 Nm | 3.5 Nm | 11.3 Nm | | |
| 25 mm² | 2.5 Nm | 5.1 Nm | 3.5 Nm | 11.3 Nm | | |
| 18 mm² | | | | | | |
| 12 mm² | | | | | | |
| 6 mm² | | | | | | |
| 4 mm² | | | | | | |
| 2.5 mm² | | | | | | |
| 1.5 mm² | | | | | | |
| Stripping lengths | 12 mm | | 12 mm | | | |
| Alarm screw | M6 | | M6 | | | |
| * Values according to IEC 1059 | | | | | | |

Stranded
 Solid
 Flexible with ferrule
 Sector shaped

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

| Certificate no. (UR) | XCFR2 E0083 | | | | input |
|------------------------|--------------------|-------------|-------------|-------------|-------|
| | connection point A | | Aluminum | | |
| AWG 3/0 | 124 lb. in. | 124 lb. in. | 200 lb. in. | 200 lb. in. | |
| AWG 2/0 | | | | | |
| AWG 1/0 | | | | | |
| AWG 2 | | | | | |
| AWG 4 | | | | | |
| AWG 6 | | | | | |
| AWG 8 | | | | | |
| AWG 10 | | | | | |
| max. current | 200 A | 175 A | 155 A | 150 A | |
| Voltage size B.C. (UR) | 600 V | | | | |

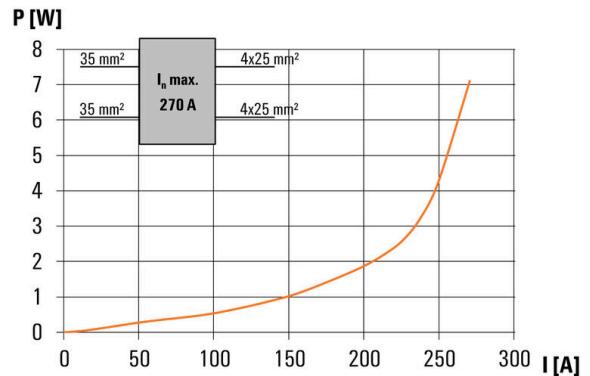
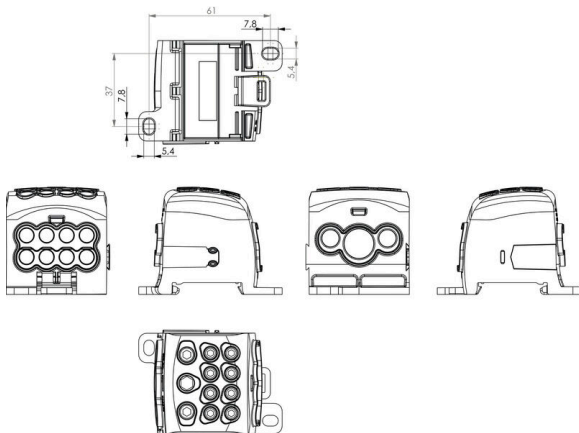
| output (lead) | connection point 1-8 | | connection point B | | output |
|------------------------|----------------------|--------------|--------------------|-------------|--------|
| | Copper | Aluminum | Copper | Aluminum | |
| AWG 2 | | 45.1 lb. in. | 45.1 lb. in. | 100 lb. in. | |
| AWG 4 | | | | 100 lb. in. | |
| AWG 6 | | | | | |
| AWG 8 | 22.1 lb. in. | | 31 lb. in. | 31 lb. in. | |
| AWG 10 | 22.1 lb. in. | | | | |
| AWG 12 | | | | | |
| AWG 14 | | | | | |
| AWG 16 | | | | | |
| max. current | 85 A | 65 A | 50 A | 115 A | |
| Voltage size B.C. (UR) | 600 V | | | | |

Stranded
 Solid
 Flexible with ferrule

CSA rating data according to CSA 22.2 No. 158

| Certificate No. (CSA) | 269832 | | | input |
|-------------------------|-------------|---------|-------|-------|
| | Input CP* A | CP* 1-8 | CP* B | |
| AWG 3/0 | 14 Nm | | | |
| AWG 2/0 | | | | |
| AWG 1/0 | | | | |
| AWG 2 | | | | |
| AWG 4 | | | | |
| AWG 6 | | | | |
| AWG 8 | | | | |
| AWG 10 | | | | |
| AWG 12 | | | 6 Nm | |
| AWG 14 | | | | |
| max. current | 200 A | 85 A | 115 A | |
| Voltage size C (CSA) | 600 V | | | |
| * CP - connection point | | | | |

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Accessories

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 | SKS 2,0-8,0 MR | Version | |
| Order No. | 9008870000 | socket wrenches | |
| GTIN (EAN) | 4032248266623 | | |
| Qty. | 1 ST | | |

Crosshead screwdriver Pozidriv



Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, output to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

General ordering data

| | | | |
|------------|----------------------------|--------------------------|--|
| Type | SDK PZ2 | Version | |
| Order No. | 9008540000 | Screwdriver, Screwdriver | |
| GTIN (EAN) | 4032248056538 | | |
| Qty. | 1 ST | | |