

WPD 106 1X70/2X25+3X16 RD**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, red, 70 mm ² , 215 A, 1000 V, Number of connections: 6, Number of levels: 1 |
| Order No. | 2725340000 |
| Type | WPD 106 1X70/2X25+3X16 RD |
| GTIN (EAN) | 4050118796544 |
| 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 | 50.4 mm | Depth (inches) | 1.9842 inch |
| Height | 74.5 mm | Height (inches) | 2.9331 inch |
| Width | 39.5 mm | Width (inches) | 1.5551 inch |
| Net weight | 200 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 | red |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|--------------------|-------------------------|-------------------|
| Certificate No. (ATEX) | CNEX16ATEX0005U | Certificate No. (IECEX) | IECEXCNEX16.0005U |
| Max. voltage (ATEX) | 880 V | Current (ATEX) | 160 A |
| Wire cross section max. (ATEX) | 50 mm ² | Max. voltage (IECEX) | 880 V |
| Current (IECEX) | 160 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 2/0 | Connection direction | on side |
| Type of connection 2 | Screw connection | Type of connection | Screw connection |
| Number of connections | 6 | Clamping range, max. | 70 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. | 50 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. | 70 mm ² |
| Connection cross-section, stranded, min. | 1.5 mm ² | Wire connection cross-section, solid core, max. | 70 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 2/0 |
| 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 | 70 mm ² | Rated voltage | 1000 V |
| Rated AC voltage | 1000 V | Rated DC voltage | 1500 V |
| Nominal current | 215 A | Current at maximum wires | 215 A |
| Standards | IEC 60947-7-1, UL 1059 | | |

UL rating data

Certificate No. (cURus) E60693

Important note

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

Classifications

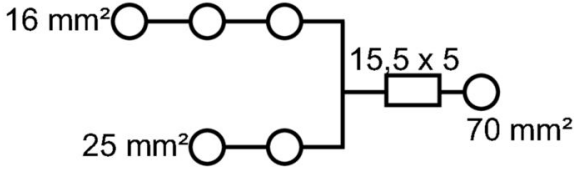
| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-19 |
| ECLASS 15.0 | 27-25-01-19 | | |

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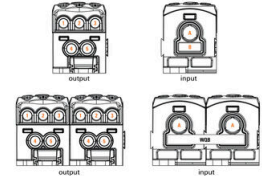
Drawings

www.weidmueller.com



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

| Input | connection point A | | CP** B | |
|---------------------|--------------------|-----------|--------|-----------|
| | Copper | Aluminum* | Copper | Aluminum* |
| 10 mm² | 10 Nm | 13,6 Nm | 10 Nm | 13,6 Nm |
| 25 mm² | 10 Nm | 13,6 Nm | 10 Nm | 13,6 Nm |
| 35 mm² | 10 Nm | 13,6 Nm | 10 Nm | 13,6 Nm |
| 50 mm² | 10 Nm | 13,6 Nm | 10 Nm | 13,6 Nm |
| 70 mm² | 10 Nm | 13,6 Nm | 10 Nm | 13,6 Nm |
| Flat band 15,5x5 mm | 19 mm | 17 mm | 2 Nm | 2 Nm |
| Stripping lengths | MS | | MS | |
| Allen screw | MS | | MS | |



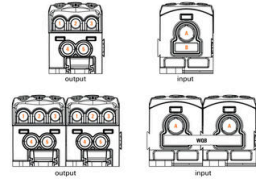
| Output | connection point 1/2/3 | | connection point 4/5 | |
|-------------------|------------------------|-----------|----------------------|-----------|
| | Copper | Aluminum* | Copper | Aluminum* |
| 25 mm² | 2 Nm | 5,1 Nm | 2,5 Nm | 5,1 Nm |
| 10 mm² | 2 Nm | 5,1 Nm | 2,5 Nm | 5,1 Nm |
| 10 mm² | 2 Nm | 5,1 Nm | 2,5 Nm | 5,1 Nm |
| 6 mm² | 2 Nm | 5,1 Nm | 2,5 Nm | 5,1 Nm |
| 2,5 mm² | 2 Nm | 5,1 Nm | 2,5 Nm | 5,1 Nm |
| Stripping lengths | MS | | MS | |
| Allen screw | MS | | MS | |

* Values according to UL 1059 ** CP - connection point

Legend: Stranded, Solid, Flexible with female, Sector shaped, Flat band

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

| Input (line) | connection point A | | CP** B | |
|-----------------------|--------------------|---------------|-------------|-------------|
| | Copper | Aluminum | Copper | Aluminum |
| AWG 2/0 | 88.5 lb. in. | 129.4 lb. in. | 100 lb. in. | 174 lb. in. |
| AWG 1/0 | 88.5 lb. in. | 129.4 lb. in. | 100 lb. in. | 174 lb. in. |
| AWG 2 | 88.5 lb. in. | 129.4 lb. in. | 100 lb. in. | 174 lb. in. |
| AWG 4 | 88.5 lb. in. | 129.4 lb. in. | 100 lb. in. | 174 lb. in. |
| AWG 6 | 88.5 lb. in. | 129.4 lb. in. | 100 lb. in. | 174 lb. in. |
| AWG 8 | 88.5 lb. in. | 129.4 lb. in. | 100 lb. in. | 174 lb. in. |
| AWG 10 | 88.5 lb. in. | 129.4 lb. in. | 100 lb. in. | 174 lb. in. |
| Flat band 15,5x5,2 mm | 150 A | 150 A | 135 A | 120 A |
| max. current | 150 A | 150 A | 135 A | 120 A |
| Voltage size B.C (dB) | 600 V | | | |

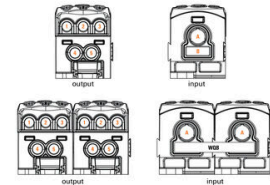


| Output (leaf) | connection point 1/2/3 | | connection point 4/5 | |
|-----------------------|------------------------|--------------|----------------------|--------------|
| | Copper | Aluminum | Copper | Aluminum |
| AWG 4 | 45.1 lb. in. | 45.1 lb. in. | 45.1 lb. in. | 45.1 lb. in. |
| AWG 6 | 22.6 lb. in. | 22.6 lb. in. | 22.6 lb. in. | 22.6 lb. in. |
| AWG 8 | 22.6 lb. in. | 22.6 lb. in. | 22.6 lb. in. | 22.6 lb. in. |
| AWG 10 | 22.6 lb. in. | 22.6 lb. in. | 22.6 lb. in. | 22.6 lb. in. |
| AWG 12 | 22.6 lb. in. | 22.6 lb. in. | 22.6 lb. in. | 22.6 lb. in. |
| AWG 14 | 22.6 lb. in. | 22.6 lb. in. | 22.6 lb. in. | 22.6 lb. in. |
| AWG 16 | 22.6 lb. in. | 22.6 lb. in. | 22.6 lb. in. | 22.6 lb. in. |
| max. current | 65 A | 50 A | 65 A | 50 A |
| Voltage size B.C (dB) | 600 V | | | |

Legend: Stranded, Solid, Flexible with female, Sector shaped, Flat band

CSA rating data according to CSA 22.2 No. 158

| Input | Output | |
|----------------------|--------|---------|
| | CP* A | CP* 4/5 |
| AWG 2/0 | 10 Nm | 2 Nm |
| AWG 1/0 | 10 Nm | 2 Nm |
| AWG 2 | 10 Nm | 2 Nm |
| AWG 4 | 10 Nm | 2 Nm |
| AWG 6 | 10 Nm | 2 Nm |
| AWG 8 | 10 Nm | 2 Nm |
| AWG 10 | 10 Nm | 2 Nm |
| AWG 12 | 10 Nm | 2 Nm |
| AWG 14 | 10 Nm | 2 Nm |
| AWG 16 | 10 Nm | 2 Nm |
| max. current | 175 A | 65 A |
| Voltage size C (CSA) | 600 V | |



Legend: Stranded, Solid, Flexible with female, Sector shaped, Flat band

