

WPD 107 1X95/2X35+8X25 BL**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

Product image

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 | W-Series, Distribution block, Rated cross-section: Screw connection, Terminal rail / mounting plate |
| Order No. | 2521730000 |
| Type | WPD 107 1X95/2X35+8X25 BL |
| GTIN (EAN) | 4050118534245 |
| Qty. | 1 pc(s). |

WPD 107 1X95/2X35+8X25 BL

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 54.5 mm | Depth (inches) | 2.146 inch |
| Height | 73 mm | Height (inches) | 2.874 inch |
| Width | 51 mm | Width (inches) | 2.008 inch |
| Net weight | 211 g | | |

Temperatures

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

Material data

| | | | |
|---------------------------|-------|--------|------|
| Material | Wemid | Colour | blue |
| 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 | Marking EN 60079-7 | Ex eb II C Gb |
| Ex 2014/34/EU label | II 2 G D | | |

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 | Rail | Mounting plate, TS 35 |
| PE function | No | PEN function | No |

Additional technical data

| | | | |
|---------------------|--------------------------------|------------|--------|
| Installation advice | Terminal rail / mounting plate | Open sides | closed |
| Type of mounting | Snap-on | | |

CSA rating data

| | |
|-----------------------------|----------|
| Certificate number (cCSAus) | 70128467 |
|-----------------------------|----------|

Conductors for clamping (rated connection)

| | | | |
|----------------------|---------------|--------------------|------------------|
| Connection direction | None, on side | Type of connection | Screw connection |
|----------------------|---------------|--------------------|------------------|

General

| | | | |
|---------------------|--------------------------------|-----------------|------------------------|
| Installation advice | Terminal rail / mounting plate | Number of poles | 1 |
| Rail | Mounting plate, TS 35 | Standards | IEC 60947-7-1, UL 1059 |

WPD 107 1X95/2X35+8X25 BL

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

Technical data

Rating data

| | | | |
|------------------|------------------------|------------------|------------|
| Rated voltage | 1,000 V | Rated AC voltage | 1,000 V AC |
| Rated DC voltage | 1,500 V DC | Rated current | 270 A |
| Standards | IEC 60947-7-1, UL 1059 | | |

UL rating data

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

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 | ECLASS 12.0 | 27-14-11-20 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2 |

Important note

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

Approvals

Approvals



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

Data sheet

WPD 107 1X95/2X35+8X25 BL

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

Technical data

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Attestation of Conformity Attestation of Conformity CB Certificate ATEX Certificate IECEX Certificate VDE Certificate EAC EX Certificate CCC Ex Certificate DNV Certificate UKCA Ex Certificate UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | StorageConditionsTerminalBlocks DATA SHEET WPD 107 NTI WPD 107 |
| Catalogues | Catalogues in PDF-format |

Data sheet

WPD 107 1X95/2X35+8X25 BL

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

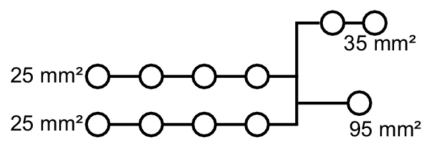
Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

Drawings



Power distribution
Screw connection

W-Series
WPD 107 1X95/2X35+8X25 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 | 95 mm ² | mm ² |
| Rated impulse withstand voltage / Pollution severity | | |
| Overvoltage category / UL 94 flammability rating | | |
| Approvals | | |
| Clamped conductors (H05V/H07V) | | |
| Solid / Stranded | 95 mm ² | mm ² |
| | 35 mm ² | mm ² |
| | 25 mm ² | mm ² |
| Flexible with ferrule | 95 mm ² | mm ² |
| | 35 mm ² | mm ² |
| | 25 mm ² | mm ² |
| Stripping length / Blade size | 95 mm ² | mm/- |
| | 35 mm ² | mm/- |
| | 25 mm ² | mm ² |
| Tightening torque | | Nm |
| Note | | |

Ordering data

| | |
|----------------|-------|
| Version | |
| | grey |
| | blue |
| | red |
| | black |
| Note | |

Accessories

| | |
|--------------------|------------|
| End bracket | |
| | dark beige |
| | dark beige |
| Screwdriver | |
| | SET |

WPD 107 **95 mm²**



| | |
|----------------|--|
| 51 / 54.5 / 73 | |
| 232 / 95 | |
| 16...95 | |

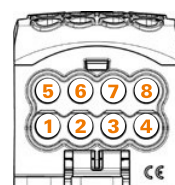
IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

| IEC | UL | CSA | EN 60079-7 |
|-----------|-------------|-------------|------------|
| 1000 | 600 | 600 | 440 |
| 232 | 200 | 200 | 232 |
| 95 | AWG 8...3/0 | AWG 8...3/0 | 95 |
| 8 kV / 3 | | | |
| III / V-0 | | | |

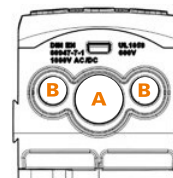
| | |
|--|--|
| Rated connection | |
| 16...95 / 16...95 | |
| 4...35 / 4...35 | |
| 2.5...25 / 2.5...25 | |
| 10...70 | |
| 2.5...25 | |
| 1.5...16 | |
| 14 / M12 | |
| 12 / M8 | |
| 12 / M6 | |
| see appendix at the end of the chapter | |

| Type | Qty. | Order No. |
|---------------------------|------|------------|
| WPD 107 1x95/2x35+8x25 GY | 1 | 1562220000 |
| WPD 107 1x95/2x35+8x25 BL | 1 | 2521730000 |
| WPD 107 1x95/2x35+8x25 RD | 1 | 2725350000 |
| WPD 107 1x95/2x35+8x25 BK | 1 | 2725450000 |

| Type | Qty. | Order No. |
|-------------------|------|------------|
| WEW 35/2 | 100 | 1061200000 |
| AEB 35 SC/1 | 50 | 1991920000 |
| SDK PZ2 X 100 | 1 | 2749450000 |
| SK WSD-S 1,5-10,0 | 1 | 9008850000 |



output



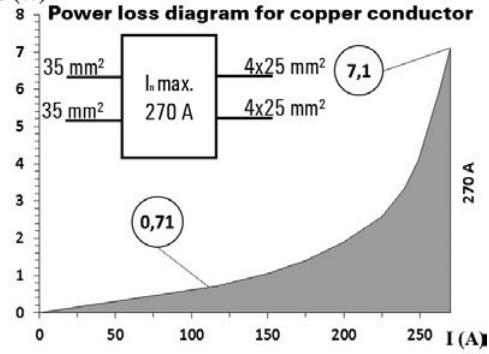
input

Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+A P (W))

| Input | connection point A | | | |
|--------------------|--------------------|-------|------------|---------|
| | Copper | | Aluminium* | |
| | | | | |
| 95 mm ² | 14 Nm | 14 Nm | 22,6 Nm | 22,6 Nm |
| 70 mm ² | | | | |
| 50 mm ² | | | | |
| 35 mm ² | | | | |
| 25 mm ² | | | | |
| 16 mm ² | | | | |
| 10 mm ² | | | | |
| Stripping lengths | 14 mm | | | |
| Allen screw | M12 | | | |

* Values according to UL 1059

WPD 107



| Output | connection point 1 - 8 | | | | connection point B | | | |
|---------------------|------------------------|--------|------------|--------|--------------------|--------|------------|---------|
| | Copper | | Aluminium* | | Copper | | Aluminium* | |
| | | | | | | | | |
| 35 mm ² | 2,5 Nm | 2,5 Nm | 5,1 Nm | 5,1 Nm | 3,5 Nm | 3,5 Nm | 11,3 Nm | 11,3 Nm |
| 25 mm ² | | | | | | | | |
| 16 mm ² | | | | | | | | |
| 10 mm ² | | | | | | | | |
| 6 mm ² | | | | | | | | |
| 4 mm ² | | | | | | | | |
| 2,5 mm ² | | | | | | | | |
| 1,5 mm ² | | | | | | | | |
| Stripping lengths | 12 mm | | | | 12 mm | | | |
| Allen screw | M6 | | | | M8 | | | |

* Values according to UL 1059



UL Rating data according to UL 1059

| Certificate no. (UR) | XCFR2.E60693 | | | |
|-----------------------|--------------------|------------|------------|------------|
| | connection point A | | | |
| | Copper | | Aluminium | |
| | | | | |
| 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 | | | | |
| max. current | 200 A | 175 A | 155 A | 130 A |
| Voltage size B,C (UR) | 600 V | | | |

CSA rating data according to CSA 22.2 No. 158

| Certificate No. (CSA) | 269832 | | |
|-----------------------|--------|-----------|-------|
| | Input | Output | |
| | CP* A | CP* 1 - 8 | CP* B |
| AWG 3/0 | 14 Nm. | 2,5 Nm | 6 Nm |
| AWG 2/0 | | | |
| AWG 1/0 | | | |
| AWG 2 | | | |
| AWG 4 | | | |
| AWG 6 | | | |
| AWG 8 | | | |
| AWG 10 | | | |
| AWG 12 | | | |
| AWG 14 | | | |
| max. current | 200 A | 85 A | 115 A |
| Voltage size C (CSA) | 600 V | | |

* CP - connection point

| output (load) | connection point 1 - 8 | | | | connection point B | | | |
|-----------------------|------------------------|-------------|-------------|-------------|--------------------|-----------|------------|------------|
| | Copper | | Aluminium | | Copper | | Aluminium | |
| | | | | | | | | |
| AWG 2 | 22.1 Lb In. | 22.1 Lb In. | 45.1 Lb In. | 45.1 Lb In. | 31 Lb In. | 31 Lb In. | 100 Lb In. | 100 Lb In. |
| AWG 4 | | | | | | | | |
| AWG 6 | | | | | | | | |
| AWG 8 | | | | | | | | |
| AWG 10 | | | | | | | | |
| AWG 12 | | | | | | | | |
| AWG 14 | | | | | | | | |
| AWG 16 | | | | | | | | |
| max. current | 85 A | 65 A | 65 A | 50 A | 115 A | 85 A | 90 A | 65 A |
| Voltage size B,C (UR) | 600 V | | | | | | | |

