

W-Series
WPD 109 1X185/2X35+3X25+4X16 GY**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com**Power feed-in**

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

General ordering data

| | |
|------------|--|
| Type | WPD 109 1X185/2X35+3X25+4X16 GY |
| Order No. | 1562090000 |
| Version | W-Series, Distribution block, Rated cross-section: Screw connection, Terminal rail / mounting plate |
| GTIN (EAN) | 4050118384895 |
| Qty. | 1 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Width | 52.5 mm | Width (inches) | 2.067 inch |
| Height | 94 mm | Height (inches) | 3.701 inch |
| Depth | 77 mm | Depth (inches) | 3.031 inch |
| Net weight | 454 g | | |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 130 °C |
|----------------------------------|--------|----------------------------------|--------|

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Material | Wemid | Colour | Light Grey |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---------------------|---------------------------------|---------------------|
| Certificate No. (ATEX) | CNEX16ATEX0005U | Certificate No. (IECEX) | IECEXCNEX16.0005U |
| Max. voltage (ATEX) | 1100 V | Current (ATEX) | 353 A |
| Wire cross section max. (ATEX) | 185 mm ² | Max. voltage (IECEX) | 1100 V |
| Current (IECEX) | 353 A | Wire cross section max. (IECEX) | 185 mm ² |

System specifications

| | | | |
|--|--|---|--|
| Version | Screw connection | Tightening torque (clamping screw for aluminium conductors) | 22.59 Nm (25 mm ²) / 5... 11.29 Nm (16 mm ²) |
| Tightening torque (clamping screw for copper conductors) | 19 Nm (185 mm ²) / 2 Nm (25 mm ²) / 2.5 Nm (35 mm ²) | End cover plate required | No |
| Number of potentials | 1 | Number of levels | 1 |
| No. of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | Yes | PE connection | No |
| Mounting rail | TS 35 | N-function | Yes |
| 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 | on side | Type of connection | Screw connection |
|----------------------|---------|--------------------|------------------|

Rating data

| | | | |
|------------------|------------------------|--------------------------|------------|
| Rated AC voltage | 1,000 V AC | Rated DC voltage | 1,500 V DC |
| Rated current | 353 A | Current at maximum wires | 353 A |
| Standards | IEC 60947-7-1, UL 1059 | | |

Data sheet

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Technical data

UL rating data

| | | | |
|----------------------|--------|------------------------------|---------|
| Certificate No. (UR) | E60693 | Current size B (UR) | 310 A |
| Current size C (UR) | 310 A | Voltage size B (UR) | 600 V |
| Voltage size C (UR) | 600 V | Wire cross section max. (UR) | 350 AWG |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 5.0 | EC001329 | ETIM 6.0 | EC000897 |
| eClass 6.2 | 27-14-11-20 | eClass 7.1 | 27-14-11-20 |
| eClass 8.1 | 27-14-11-20 | eClass 9.1 | 27-14-11-20 |

Product information

| | |
|---------------------|--|
| Product information | Power distribution block (Bus Bar) also usable for distribution of neutral conductor and function earth. |
|---------------------|--|

Approvals

Approvals



| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | DE_PT1001_20160419_009_ISSUE01.pdf |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD |
| Engineering Data | STEP |

Safety note

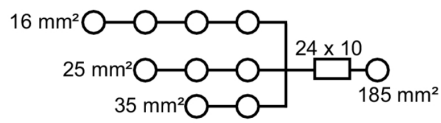
| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|

Data sheet

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Drawings



Technical data

Inputs

Number of connections

Solid

Stranded

Flexible with ferrule

Ribbon cable

Torque

Clamping screw

Stripping length

Outputs

Number of connections

Solid

Stranded

Flexible with ferrule

Torque

Clamping screw

Stripping length

No. of poles

Note

IEC 60947-7-1, UL 1059

top

mid./left

mid./mid.

mid./right

bottom

1

1

95...185mm²

70...185mm²

70...150mm²

24 x 10 mm

19Nm

3Nm

M 14 x 1

M 6 x 30

27mm

22mm

top

mid./left

mid./mid.

mid./right

bottom

3

4

2

2.5...25mm²

1.5...16mm²

4...35mm²

2.5...25mm²

1.5...16mm²

4...35mm²

1.5...16mm²

1.5...16mm²

2.5...25mm²

2Nm

2Nm

2.5Nm

M 6 x 8

M 6 x 8

M 8 x 10

12mm

12mm

18mm

1