

WPD 110 1X70+1X35/6X16 GY**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Building installation wiring**

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

General ordering data

| | |
|------------|--|
| Version | W-Series, Distribution block, Rated cross-section: 70 mm ² , Screw connection, Terminal rail / mounting plate |
| Order No. | 2603810000 |
| Type | WPD 110 1X70+1X35/6X16 GY |
| GTIN (EAN) | 4050118654523 |
| Qty. | 1 pc(s). |

Creation date January 10, 2022 10:09:08 PM CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

| | | | |
|------------|----------|-----------------|------------|
| Depth | 63 mm | Depth (inches) | 2.48 inch |
| Height | 69.75 mm | Height (inches) | 2.746 inch |
| Width | 38.5 mm | Width (inches) | 1.516 inch |
| Net weight | 277 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 | Light Grey |
| 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 | 8 | Rail | TS 35, Mounting plate |
| N-function | No | PE function | No |
| PEN function | No | | |

Additional technical data

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

Conductors for clamping (rated connection)

| | | | |
|----------------------|------------------|-----------------------|---|
| Connection direction | on side | Number of connections | 8 |
| Type of connection | Screw connection | | |

General

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

Rating data

| | | | |
|---------------------------------|--------------------|--------------------|---------------|
| Rated cross-section | 70 mm ² | Rated voltage | 1,000 V |
| Rated AC voltage | 1,000 V | Rated DC voltage | 1,500 V DC |
| Rated current | 200 A | Standards | IEC 60947-7-1 |
| Rated impulse withstand voltage | 8 kV | Pollution severity | 3 |
| Surge voltage category | III | | |

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 | | |

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Data sheet

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Technical data

Downloads

Approval/Certificate/Document of
Conformity

[DNV Certificate](#)

Catalogues

[Catalogues in PDF-format](#)

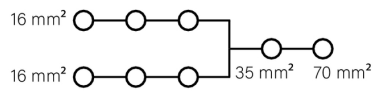
Data sheet

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Drawings



Power distribution

Screw connection

W-Series

WPD 110 1X70+1X35/6X16 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 | 70 mm ² mm ² |
| Rated impulse withstand voltage / Pollution severity | |
| Overvoltage category / UL 94 flammability rating | |
| Approvals | |
| Clamped conductors (H05V/H07V) | |
| Solid / Stranded | 70 mm ² mm ² |
| | 35 mm ² mm ² |
| | 16 mm ² mm ² |
| Flexible with ferrule | 70 mm ² mm ² |
| | 35 mm ² mm ² |
| | 16 mm ² mm ² |
| Stripping length / Blade size | 70 mm ² mm/- |
| | 35 mm ² mm/- |
| | 16 mm ² mm/- |
| Tightening torque | Nm |
| Note | |

Ordering data

| Version | |
|-------------|------------|
| | light grey |
| | blue |
| | green |
| Note | |

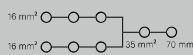
Accessories

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

WPD 110

70 mm²

| | |
|------------------|--|
| 38.5 / 63 / 69.5 | |
| 192 / 70 | |
| 1.5...70 | |



IEC 60947-7-1

| IEC | UL | CSA | EN 60079-7 |
|------|-----------|-----|------------|
| 1000 | | | |
| 192 | | | |
| 70 | | | |
| | 8 kV / 3 | | |
| | III / V-0 | | |

Rated connection

| |
|---------------------|
| 10...70 / 4...35 |
| 4...35 / 4...35 |
| 1.5...16 / 1.5...16 |
| 6...50 |
| 2.5...25 |
| 1.5...10 |
| 27 / M10 |
| 26 / M8 |
| 13 / M6 |




see appendix at the end of the chapter









| Type | Qty. | Order No. |
|---------------------------|------|------------|
| WPD 110 1X70+1X35/6X16 GY | | 2603810000 |
| WPD 110 1X70+1X35/6X16 BL | | 2603820000 |
| WPD 110 1X70+1X35/6X16 GN | | 2603830000 |




| Type | Qty. | Order No. |
|---------------|------|------------|
| WEW 35/2 | 100 | 1061200000 |
| AEB 35 SC/1 | 50 | 1991920000 |
| SDK PZ2 X 100 | 1 | 2749450000 |

Conductor connection data according to DIN EN 60998-1 (Cu), IEC 61238-1 class A (Cu+Al)

| Input | Copper | | Aluminium |
|-----------------------|---|---|---|
| 1x 70 mm ² |  |  |  |
| 70 mm ² | 10 Nm | 10 Nm | 12 Nm |
| 50 mm ² | | | |
| 35 mm ² | | | |
| 25 mm ² | | | |
| 16 mm ² | | | |
| 10 mm ² | | | |
| 6 mm ² | | | |
| Stripping lengths | 27 mm | | |
| Screw | M10 (+/- PZ2) | | |

| Input | Copper | | Aluminium |
|-----------------------|---|---|---|
| 1x 35 mm ² |  |  |  |
| 35 mm ² | 6 Nm | 6 Nm | |
| 25 mm ² | | | |
| 16 mm ² | | | |
| 10 mm ² | | | |
| 6 mm ² | | | |
| 4 mm ² | | | |
| 2,5 mm ² | | | |
| Stripping lengths | 26 mm | | |
| Screw | M8 (+/- PZ2) | | |

| Output | Copper | | Aluminium |
|-----------------------|---|---|---|
| 6x 16 mm ² |  |  |  |
| 16 mm ² | 3 Nm | 3 Nm | 10 Nm |
| 10 mm ² | | | |
| 6 mm ² | | | |
| 4 mm ² | | | |
| 2,5 mm ² | | | |
| 1,5 mm ² | | | |
| Stripping lengths | 13 mm | | |
| Screw | M6 (+/- PZ2) | | |

 Stranded
  Solid
  Flexible with ferrule

B

