

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 | Potential distributor terminal, Screw connection, 70, 1000 V, 200 A, Number of connections: 8, Number of poles: 1, TS 35, Mounting plate, Light Grey |
| Order No. | 2603810000 |
| Type | WPD 110 1X70+1X35/6X16 GY |
| GTIN (EAN) | 4050118654523 |
| Qty. | 3 pc(s). |

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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 | 91.667 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 | Levels cross-connected internally | No |
| Rail | TS 35, Mounting plate | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

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 |
| Rated current | 200 A | Standards | IEC 60947-7-1 |
| Rated impulse withstand voltage | 8 kV | Pollution severity | 3 |
| Surge voltage category | III | | |

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Technical data

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ETIM 9.0 | 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 | ECLASS 13.0 | 27-25-01-19 |

Environmental Product Compliance

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

Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | DNV Certificate Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| User Documentation | Manual - How to connect aluminum wires in WPD-Terminal blocks |
| Catalogues | Catalogues in PDF-format |

WPD 110 1X70+1X35/6X16 GY

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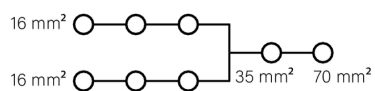
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Drawings



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www.weidmueller.com**Accessories****Marker holder**

The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

| | | |
|------------|----------------------------|----------------------------|
| Type | BZT 1 WS 10/5 | Version |
| Order No. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 pc(s). | |
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 pc(s). | |

Power distribution

Screw connection

W-Series

WPD 110 1X70+1X35/6X16 GY

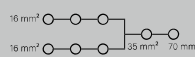


WPD 110

70 mm²

| | |
|-------------------------------|-------------------|
| Width / Height / Depth | mm |
| max. current / max. conductor | A/mm ² |
| max. clamping range | mm ² |

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



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 | | |

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 | |



B

Ordering data

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




| 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 |




Accessories




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




| 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 | | 12 Nm |
| 50 mm ² | | | |
| 35 mm ² | | 10 Nm | |
| 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 | | |
| 25 mm ² | | | |
| 16 mm ² | | 6 Nm | |
| 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 | | 10 Nm |
| 10 mm ² | | 3 Nm | |
| 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

