

WPD 101 2X25/2X16 BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****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, blue, 152 A, 1000 V, Number of levels: 1, V-0, Wemid |
| Order No. | 1560670000 |
| Type | WPD 101 2X25/2X16 BL |
| GTIN (EAN) | 4050118365733 |
| Qty. | 5 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 49.3 mm | Depth (inches) | 1.941 inch |
| Height | 55.7 mm | Height (inches) | 2.193 inch |
| Width | 17.8 mm | Width (inches) | 0.701 inch |
| Net weight | 68 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 | | |

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 | PE connection | No |
| N-function | Yes | 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 | With snap-in pegs | Yes |

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

| | | | |
|----------------------|---------|--------------------|------------------|
| Connection direction | on side | Type of connection | Screw connection |
|----------------------|---------|--------------------|------------------|

General

| | | | |
|---------------------|--|-----------------|---|
| Installation advice | Terminal rail / mounting plate | Number of poles | 1 |
| Standards | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 | | |

Rating data

| | | | |
|------------------|--|------------------|---------|
| Rated voltage | 1,000 V | Rated AC voltage | 1,000 V |
| Rated DC voltage | 1,000 V | Rated current | 152 A |
| Standards | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 | | |

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Technical data

UL rating data

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

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 |
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |

Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CB Certificate VDE Certificate VDE Certificate DNV Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| User Documentation | StorageConditionsTerminalBlocks DATA SHEET WPD 101 Manual - How to connect aluminum wires in WPD-Terminal blocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

WPD 101 2X25/2X16 BL

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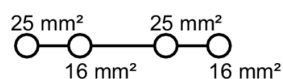
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Drawings



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

V2



SlimFix X are halogen-free conductor and cable markers with a space-saving design. The markers can be fitted even after the conductor has been installed. SlimFix is an acknowledged and approved marker type in traffic engineering. The SF tool allows easy installation even in case of small markers.

- Halogen-free material
- Approved and accredited markers for traffic engineering applications, etc.
- Has to be fixed with cable ties if the conductor cross-section is larger than 16.0 mm²
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | SFX 9/24 MC NE WS V2 | Version |
| Order No. | 1852490000 | SlimFix X, Conductor and cable markers, 7 - 40 mm, 24 x 15 mm, |
| GTIN (EAN) | 4032248385461 | white |
| Qty. | 160 pc(s). | |

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www.weidmueller.com**Accessories****Crosshead screwdriver Pozidriv**

Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, output to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

General ordering data

| | | |
|------------|----------------------------|--------------------------|
| Type | SDK PZ2 | Version |
| Order No. | 9008540000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056538 | |
| Qty. | 1 pc(s). | |

V2

SlimFix X are halogen-free conductor and cable markers with a space-saving design. The markers can be fitted even after the conductor has been installed. SlimFix is an acknowledged and approved marker type in traffic engineering. The SF tool allows easy installation even in case of small markers.

- Halogen-free material
- Approved and accredited markers for traffic engineering applications, etc.
- Has to be fixed with cable ties if the conductor cross-section is larger than 16.0 mm²
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | SFX 14/23 MC NE WS V2 | Version |
| Order No. | 1852440000 | SlimFix X, Conductor and cable markers, 7 - 40 mm, 23 x 14 mm, |
| GTIN (EAN) | 4032248385416 | white |
| Qty. | 160 pc(s). | |

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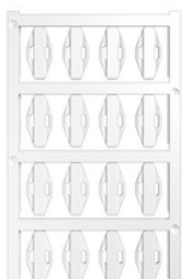
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Accessories

V2



SlimFix X are halogen-free conductor and cable markers with a space-saving design. The markers can be fitted even after the conductor has been installed. SlimFix is an acknowledged and approved marker type in traffic engineering. The SF tool allows easy installation even in case of small markers.

- Halogen-free material
- Approved and accredited markers for traffic engineering applications, etc.
- Has to be fixed with cable ties if the conductor cross-section is larger than 16.0 mm²
- Markers in proven MultiCard format

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General ordering data

| | | |
|------------|----------------------------|--|
| Type | SFX 10/23 MC NE WS V2 | Version |
| Order No. | 1852390000 | SlimFix X, Conductor and cable markers, 7 - 40 mm, 23 x 11 mm, |
| GTIN (EAN) | 4032248385362 | white |
| Qty. | 160 pc(s). | |

Blank



SlimFix X are halogen-free conductor and cable markers with a space-saving design. The markers can be fitted even after the conductor has been installed. SlimFix is an acknowledged and approved marker type in traffic engineering. The SF tool allows easy installation even in case of small markers.

- Halogen-free material
- Approved and accredited markers for traffic engineering applications, etc.
- Has to be fixed with cable ties if the conductor cross-section is larger than 16.0 mm²
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SFX 9/24 S MC NE WS | Version |
| Order No. | 1323440000 | SlimFix X, Conductor and cable markers, 7 - 40 mm, 24 x 13.62 mm, |
| GTIN (EAN) | 4050118125894 | white |
| Qty. | 120 pc(s). | |

Power distribution

Screw connection

W-Series

WPD 101 2X25/2X16 GY



WPD 101

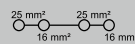
25 mm²

WPD 301

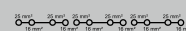
25 mm²

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

17.8 / 49.3 / 55.7
101 / 25
1.5...25



53 / 49.3 / 55.7
101 / 25
1.5...25



Technical data

| Rated data | | |
|--|--------------------|-----------------|
| Rated voltage | V | |
| Rated current | A | |
| for wire cross-section | 25 mm ² | mm ² |
| Rated impulse withstand voltage / Pollution severity | | |
| Overvoltage category / UL 94 flammability rating | | |
| Approvals | | |
| Clamped conductors (H05V/H07V) | | |
| Solid / Stranded | 25 mm ² | mm ² |
| | 16 mm ² | mm ² |
| Flexible with ferrule | 25 mm ² | mm ² |
| | 16 mm ² | mm ² |
| Stripping length / Blade size | 25 mm ² | mm/- |
| | 16 mm ² | mm/- |
| Tightening torque | Nm | |
| Note | | |

IEC 60947-7-1, DIN EN 0603-3-1

| IEC | UL | CSA | EN 60079-7 |
|--|------------|------------|------------|
| 1000 | 600 | 600 | |
| 101 | 85 | 90 | |
| 25 | AWG 16...4 | AWG 16...4 | |
| 8 kV / 3 | | | |
| III / V-0 | | | |
| Rated connection | | | |
| 2.5...25 / 2.5...25 | | | |
| 4...25 / 4...25 | | | |
| 1.5...16 | | | |
| 2.5...16 | | | |
| 19 / M6 (+/- PZ2) | | | |
| 19 / M6 (+/- PZ2) | | | |
| see appendix at the end of the chapter | | | |

IEC 60947-7-1, DIN EN 0603-3-1

| IEC | UL | CSA | EN 60079-7 |
|--|------------|------------|------------|
| 1000 | 600 | 600 | |
| 101 | 85 | 90 | |
| 25 | AWG 16...4 | AWG 16...4 | |
| 8 kV / 3 | | | |
| III / V-0 | | | |
| Rated connection | | | |
| 2.5...25 / 2.5...25 | | | |
| 4...25 / 4...25 | | | |
| 1.5...16 | | | |
| 2.5...16 | | | |
| 19 / M6 (+/- PZ2) | | | |
| 19 / M6 (+/- PZ2) | | | |
| see appendix at the end of the chapter | | | |

Ordering data

| Version | |
|---------|------------------------------|
| | light grey |
| | blue |
| | green |
| | brown |
| | black |
| | 3x light grey / blue |
| | green / 3x light grey / blue |
| Note | |

| Type | Qty. | Order No. |
|----------------------|------|------------|
| WPD 101 2X25/2X16 GY | 5 | 1560730000 |
| WPD 101 2X25/2X16 BL | 5 | 1560670000 |
| WPD 101 2X25/2X16 GN | 5 | 1560650000 |
| WPD 101 2X25/2X16 BN | 5 | 1561120000 |
| WPD 101 2X25/2X16 BK | 5 | 1561100000 |

| Type | Qty. | Order No. |
|------------------------|------|------------|
| WPD 301 2X25/2X16 3XGY | 2 | 1561130000 |

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 |

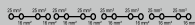
| Type | Qty. | Order No. |
|---------------|------|------------|
| WEW 35/2 | 100 | 1061200000 |
| AEB 35 SC/1 | 50 | 1991920000 |
| SDK PZ2 X 100 | 1 | 2749450000 |

WPD 401

25 mm²



71.6 / 49.3 / 55.7
101 / 25
1.5...25



IEC 60947-7-1, DIN EN 6063-3-1

| IEC | UL | CSA | EN 60079-7 |
|-----------|------------|------------|------------|
| 1000 | 600 | 600 | |
| 101 | 85 | 90 | |
| 25 | AWG 16...4 | AWG 16...4 | |
| 8 kV / 3 | | | |
| III / V-0 | | | |

Rated connection

2.5...25 / 2.5...25
4...25 / 4...25
1.5...16
2.5...16
19 / M6 (+/- PZ2)
19 / M6 (+/- PZ2)
see appendix at the end of the chapter

| Type | Qty. | Order No. |
|-----------------------------|------|------------|
| WPD 401 2X25/2X16 4XGY | 1 | 1561800000 |
| | | |
| | | |
| | | |
| | | |
| WPD 401 2X25/2X16 3XGY/1XBL | 1 | 1562130000 |

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

WPD 501

25 mm²



88.8 / 49.3 / 55.7
101 / 25
1.5...25



IEC 60947-7-1, DIN EN 6063-3-1

| IEC | UL | CSA | EN 60079-7 |
|-----------|------------|------------|------------|
| 1000 | 600 | 600 | |
| 101 | 85 | 90 | |
| 25 | AWG 16...4 | AWG 16...4 | |
| 8 kV / 3 | | | |
| III / V-0 | | | |

Rated connection

2.5...25 / 2.5...25
4...25 / 4...25
1.5...16
2.5...16
19 / M6 (+/- PZ2)
19 / M6 (+/- PZ2)
see appendix at the end of the chapter

| Type | Qty. | Order No. |
|----------------------------------|------|------------|
| WPD 501 2X25/2X16 5XGY | 1 | 1561750000 |
| | | |
| | | |
| | | |
| | | |
| WPD 501 2X25/2X16 1XGN/3XGY/1XBL | 1 | 1562140000 |











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



B



Conductor connection data according to VDE 0603-2 (Cu), IEC 61238-1 Class A (Al)

| Output (x2) / Output (x2) | | Copper | | Aluminium | Output (x2) / Output (x2) | | Copper | | Aluminium |
|--|--|---|--|-----------|--|--|---|--|-----------|
| 2x35 mm ² (round conductor) |   |  |   | | 2x16 mm ² (round conductor) |   |  |   | |
| 25 mm ² | 3,5 Nm | | 4 Nm | | 35 mm ² | 2,5 Nm | | 4 Nm | |
| 16 mm ² | | | | | | | | | |
| 10 mm ² | | | | | | | | | |
| 6 mm ² | | | | | | | | | |
| 4 mm ² | | | | | | | | | |
| 2.5 mm ² | | | | | | | | | |
| 1.5 mm ² | | | | | 2.5 mm ² | | | | |
| Stripping lengths | 19 mm | | | | | | | | |
| screw | M6 (+/- PZ2) | | | | | | | | |

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|








Mehrdrähtig

Eindrähtig

Feindrähtig mit Aderendhülse

UL Rating data according to UL 1059

| Certificate no. (UR) | XCFR2.E60693 | | | | |
|--------------------------|---|---|---|---|---|
| connection point A | | | | | |
| Input (line) | Copper | | Aluminium | | CP** B Copper |
| |  |  |  |  |  |
| AWG 2/0 | 88.5 Lb In. | 88.5 Lb In. | 120.4 Lb In. | 100 Lb In. | |
| AWG 1/0 | | | | | |
| AWG 2 | | | | | |
| AWG 4 | | | | | |
| AWG 6 | | | | | |
| AWG 8 | | | | | |
| AWG10 | | | | | |
| Flat band 15.5x3.2 mm | | | | | 17.4 Lb In. |
| max. current | 160 A | 150 A | 135 A | 120 A | 160 A |
| Voltage size B,C (UR) | 600 V | | | | |
| ** CP - connection point | | | | | |

CSA rating data according to CSA 22.2 No. 158

| Certificate No. (cURus) | XCFR8.E60693 | |
|-------------------------------|--|------------------|
| Voltage size B,C (cURus) - Cu | 600 V | |
| | Current size B,C (cURus) - CU / CU / Tightening torque | |
| | Line | Load |
| AWG 4 | 90 A / 2,5 Nm | 65 A / 2,1 Nm |
| AWG 6 | | |
| AWG 8 | | |
| AWG 10 | | |
| AWG 12 | | |
| AWG 14 | | |
| AWG 16 | | |
| | | |

| Voltage size C (cURus) - AL | 600 V | |
|-----------------------------|--|-------------|
| | Current size B,C (cURus) - AL / AL / Tightening torque | |
| | Line | Load |
| AWG 4 | 65 A / 4 Nm | |
| AWG 6 | 50 A / 4 Nm | 65 A / 4 Nm |
| AWG 8 | | |
| AWG 10 | | |
| AWG 12 | | |
| AWG 14 | | |
| AWG 16 | | |
| | | |

