

WPD 102 2X35/2X25 GN**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, green, 35 mm ² , 202 A, 1000 V, Number of connections: 4, Number of levels: 1 |
| Order No. | 1561670000 |
| Type | WPD 102 2X35/2X25 GN |
| GTIN (EAN) | 4050118366839 |
| Qty. | 5 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 49.3 mm | Depth (inches) | 1.9409 inch |
| Height | 55.4 mm | Height (inches) | 2.1811 inch |
| Width | 22.2 mm | Width (inches) | 0.874 inch |
| Net weight | 92 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -50 °C...85 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 130 °C |

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2 |

Material data

| | | | |
|---------------------------|-------|--------|-------|
| Basic material | Wemid | Colour | green |
| 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 |
| Mounting rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

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

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

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Technical data

Conductors for clamping (rated connection)

| | | | |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|--------------------|
| Wire connection cross section AWG, max. | AWG 4 | Connection direction | on side |
| Type of connection 2 | Screw connection | Type of connection | Screw connection |
| Number of connections | 4 | Clamping range, max. | 35 mm ² |
| Clamping range, min. | 2.5 mm ² | Wire connection cross section AWG, min. | AWG 14 |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 2.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 25 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 2.5 mm ² | Wire connection cross section, finely stranded, max. | 0 mm ² |
| Wire connection cross section, finely stranded, min. | 2.5 mm ² | Connection cross-section, stranded, max. | 35 mm ² |
| Connection cross-section, stranded, min. | 2.5 mm ² | Wire connection cross-section, solid core, max. | 35 mm ² |
| Wire connection cross-section, solid core, min. | 2.5 mm ² | | |

General

| | | | |
|---------------------|----------------------------------------|-----------------------------------------|--------|
| Number of poles | 1 | Wire connection cross section AWG, max. | AWG 4 |
| Installation advice | Terminal rail / mounting plate | Wire connection cross section AWG, min. | AWG 14 |
| Standards | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 | Mounting rail | TS 35 |

Rating data

| | | | |
|---------------------|----------------------------------------|---------------------------------------------|--------|
| Rated cross-section | 35 mm ² | Rated voltage | 1000 V |
| Rated AC voltage | 1000 V | Rated DC voltage | 1000 V |
| Nominal current | 202 A | Current at maximum wires | 202 A |
| Standards | IEC 60947-7-1, IEC 61238-1, VDE 0603-2 | Power loss in accordance with IEC 60947-7-x | 4.50 W |

UL rating data

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

Classifications

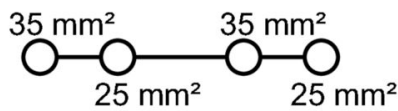
| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-19 |
| ECLASS 15.0 | 27-25-01-19 | | |

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Drawings

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Conductor connection data according to VDE 0603-2 (Cu), IEC 60947-7-1 (Cu), IEC 61238-1 Class A (Cu+Al)

| Output (x2) / Output (x2) | Copper | | Aluminum | |
|----------------------------|------------|-----------------------|------------|-----------------------|
| | Stranded | Flexible with ferrule | Stranded | Flexible with ferrule |
| 2x35 mm² (round conductor) | 3.5 Nm | 3.5 Nm | 8 Nm | 8 Nm |
| 35 mm² | | | 35 mm² | 6 Nm |
| 25 mm² | | | 25 mm² | 6 Nm |
| 18 mm² | | | 18 mm² | 4 Nm |
| 10 mm² | | | 10 mm² | 4 Nm |
| 8 mm² | | | 8 mm² | 4 Nm |
| 4 mm² | | | 4 mm² | 2.5 Nm |
| 2.5 mm² | | | 2.5 mm² | 1.5 Nm |
| 1.5 mm² | | | 1.5 mm² | 1.5 Nm |
| Stripping length | 22 mm | | 18 mm | |
| | ME (+ PZ2) | | ME (+ PZ2) | |

Conductor connection data according to UL 1059 (Al+Cu)

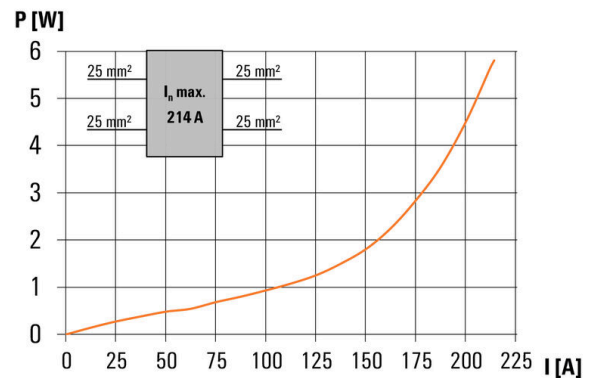
Certificate no. (UR) XCFR2.E60693

| Input (line) | Line | | Load | |
|-----------------------|----------|------------|------------|----------|
| | Copper | Aluminum | Copper | Aluminum |
| AWG 4 | | 70.8 Lb In | | |
| AWG 6 | | 53 Lb In | | 53 Lb In |
| AWG 8 | 31 Lb In | 53 Lb In | 22.1 Lb In | 35 Lb In |
| AWG 10 | | | | |
| AWG 12 | | | | |
| AWG 14 | | | | |
| AWG 16 | | | | |
| max. current | 125 A | 115 A | 90 A | 85 A |
| Voltage size B,C (UR) | 600 V | | | |

CSA Rating data according to CSA 22.2 No. 158

Certificate no. (cURus) XCFR2.E60693

| Input (line) | Line | | Load | |
|-----------------------|--------|----------|--------|----------|
| | Copper | Aluminum | Copper | Aluminum |
| AWG 4 | | 8 Nm | | |
| AWG 6 | | 6 Nm | | 6 Nm |
| AWG 8 | 3.5 Nm | 4 Nm | 3.5 Nm | 4 Nm |
| AWG 10 | | | | |
| AWG 12 | | | | |
| AWG 14 | | | | |
| AWG 16 | | | | |
| max. current | 125 A | 85 A | 90 A | 85 A |
| Voltage size B,C (UR) | 600 V | | | |



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Accessories

Crosshead screwdriver Pozidriv

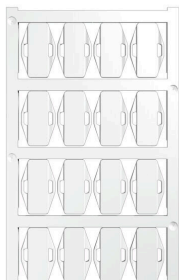


Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, output to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

General ordering data

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

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 ST | | |

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Accessories

Blank



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- 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 ST | |

V2



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- 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 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 ST | |
| 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 ST | |

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