

Z-series ZVL 1.5 BL

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Product image



Signal wiring

Tailored and particularly compact: with our AIO initiator/actuator terminal blocks, you are relying on an application-optimised solution for signal wiring. We also offer you other terminal blocks featuring spring and screw connection technology for signal wiring.

General ordering data

| | |
|------------|---|
| Type | ZVL 1.5 BL |
| Order No. | 1650360000 |
| Version | Plug-in connector, Tension-clamp connection, 1.5 mm ² , Distribution strip, blue |
| GTIN (EAN) | 4008190297541 |
| Qty. | 100 pc(s). |

Data sheet

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Technical data

Dimensions and weights

| | | | |
|------------|----------|-----------------|------------|
| Width | 5.08 mm | Width (inches) | 0.2 inch |
| Height | 12.9 mm | Height (inches) | 0.508 inch |
| Depth | 17.45 mm | Depth (inches) | 0.687 inch |
| Net weight | 1.262 g | | |

Temperatures

| | | | |
|----------------------------------|---------------|----------------------------------|--------|
| Storage temperature, max. | 40 °C | Storage temperature, min. | 10 °C |
| Storage temperature | 10 °C...40 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C | | |

Material data

| | | | |
|---------------------------|-------|--------|------|
| Material | Wemid | Colour | blue |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-----------------------------------|--------------------|----------------------------------|-----|
| Version | Distribution strip | End cover plate required | Yes |
| Number of levels | 1 | No. of clamping points per level | 1 |
| Levels cross-connected internally | No | PE connection | No |

Additional technical data

| | | | |
|--------------------------|---------|------------|-------|
| Explosion-tested version | No | Open sides | right |
| Type of mounting | Plugged | | |

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1068678 | Current size B (CSA) | 10 A |
| Current size D (CSA) | 10 A | Voltage size B (CSA) | 300 V |
| Voltage size D (CSA) | 300 V | Wire cross section max. (CSA) | 14 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (additional connection)

| | |
|---|---------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 1.5 mm ² |
|---|---------------------|

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Technical data**Conductors for clamping (rated connection)**

| | | | |
|---|----------------------|---|--------------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 2.5 mm ² |
| Clamping range, min. | 0.13 mm ² | Connection direction | top |
| Gauge to IEC 60947-1 | A2 | Number of connections | 1 |
| Stripping length | 7 mm | Twin wire-end ferrules, max. | 0.75 mm ² |
| Twin wire-end ferrules, min. | 0.5 mm ² | Type of connection | Tension-clamp connection |
| Wire connection cross section AWG, max. | AWG 14 | Wire connection cross section AWG, min. | AWG 26 |
| Wire connection cross section, finely stranded, max. | 2.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | Wire connection cross-section, finely stranded, min. | 0.5 mm ² |
| Wire connection cross-section, solid core, max. | 2.5 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

Dimensions

| | |
|--------------|-------|
| TS 35 offset | 10 mm |
|--------------|-------|

Rating data

| | | | |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section | 1.5 mm ² | Rated voltage | 250 V |
| Rated current | 17.5 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.83 mΩ | Rated impulse withstand voltage | 4 kV |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|---|--------|---|--------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 14 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR) | 14 AWG |
| Conductor size Field wiring min. (UR) | 26 AWG | Current size D (UR) | 10 A |
| Voltage size D (UR) | 300 V | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000900 | ETIM 4.0 | EC000900 |
| ETIM 5.0 | EC000900 | ETIM 6.0 | EC002848 |
| UNSPSC | 30-21-18-11 | eClass 5.1 | 27-14-11-28 |
| eClass 6.2 | 27-14-11-28 | eClass 7.1 | 27-14-11-28 |
| eClass 8.1 | 27-14-11-51 | eClass 9.0 | 27-14-11-92 |
| eClass 9.1 | 27-14-11-92 | | |

Approvals

Approvals



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

Creation date June 14, 2019 10:43:03 AM CEST

Catalogue status 07.06.2019 / We reserve the right to make technical changes.

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Technical data**Downloads**

| | |
|--------------------|--|
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Engineering Data | STEP |
| User Documentation | Beipackzettel_ZIA.pdf StorageConditionsTerminalBlocks |

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Accessories

Custom printing



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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 | Order No. | Version | GTIN (EAN) | Qty. |
|-------------------|----------------------------|---|---------------|------------|
| DEK 5/5 MC SDR | 1609810000 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, To customer specification | 4008190456597 | 200 pc(s). |

Tools



Tools for removing the sheathing of uncut power cables and outgoing feeders, plus screwdrivers for installing FieldPower components.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|--------------------|----------------------------|--|---------------|----------|
| SDS 0.6X3.5X100 | 9008330000 | Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm | 4032248056286 | 1 pc(s). |

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Accessories

Reduction Sleeves



Spring connection with tension clamp Technology

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|------------|----------------------------|---------------------------|---------------|--------------|
| ZRH 1.5N/1 | 1632140000 | Z-series, Reducing sleeve | 4008190487355 | 1,000 pc(s). |
| ZRH 1.5N/2 | 1632130000 | Z-series, Reducing sleeve | 4008190487348 | 1,000 pc(s). |

X-ON Electronics

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