

ZSI 2.5/2/LD 60AC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

In some applications it is useful to protect the feed through connection with a separate fuse. Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

General ordering data

| | |
|---------------------|---|
| Version | Z-series, Fuse terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, dark beige, Direct mounting |
| Order No. | 1616480000 |
| Type | ZSI 2.5/2/LD 60AC |
| GTIN (EAN) | 4008190196660 |
| Qty. | 10 pc(s). |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2022-03-30 |
| Alternative product | 1616490000 |

Creation date October 4, 2024 9:16:56 PM CEST

Catalogue status 28.09.2024 / We reserve the right to make technical changes.

ZSI 2.5/2/LD 60AC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Dimensions and weights**

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 73 mm | Depth (inches) | 2.874 inch |
| Depth including DIN rail | 74 mm | Height | 79.5 mm |
| Height (inches) | 3.13 inch | Width | 11.9 mm |
| Width (inches) | 0.469 inch | Net weight | 29 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|-----|
| Storage temperature | -25 °C...55 °C | Continuous operating temp., min. | -50 |
| Continuous operating temp., max. | 120 | | |

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Material | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | Tension-clamp connection, Fuse cartridge, with LED, for plug-in cross-connector, in closed state | End cover plate required | Yes |
| 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 | No | PE connection | No |
| Rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

| | | | |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version | No | Installation advice | Direct mounting |
| Number of similar terminals | 1 | Open sides | right |
| Type of mounting | Snap-on | | |

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1152892 | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (additional connection)

| | | | |
|---|---------------------|----------------------|-----|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further con- nection, max. | 2.5 mm ² | Connection direction | top |
|---|---------------------|----------------------|-----|

ZSI 2.5/2/LD 60AC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

| | | | |
|---|----------------------|---|--------------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.13 mm ² | Connection direction | top |
| Gauge to IEC 60947-1 | A3 | Number of connections | 2 |
| Stripping length | 10 mm | Type of connection | Tension-clamp connection |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26 |
| Wire connection cross section, finely stranded, max. | 4 mm ² | Wire connection cross section, finely stranded, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 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, solid core, max. | 4 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

Display element

| | | | |
|-------------------------------------|-------|-------------------------------------|------|
| Operating voltage for display, max. | 70 V | Operating voltage for display, min. | 30 V |
| Type of voltage for indicator | AC/DC | | |

Fuse terminals

| | | | |
|--|-----------------------|--|------------------------|
| Cartridge fuse | G-Si. 6.3 x 32 | Display | Red LED |
| Fuse holder (cartridge holder) | Pivoting | Operating voltage, max. | 60 V |
| Power loss for overload and short-circuit protection for a composite arrangement | 2.5 W at 2.5 A @ 29°C | Power loss for overload and short-circuit protection for an individual arrangement | 2.5 W at 2.5 A @ 40°C |
| Power loss for short-circuit protection only for a composite arrangement | 2.5 W at 2.5 A @ 72°C | Power loss for short-circuit protection only for an individual arrangement | 4.0 W at 10.0 A @ 46°C |
| Type of voltage for indicator | AC/DC | | |

General

| | | | |
|---|-----------------|---|--------|
| Installation advice | Direct mounting | Rail | TS 35 |
| Standards | IEC 60947-7-3 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26 | | |

Rating data

| | | | |
|-------------------------------------|---------------------|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 60 V |
| Rated voltage to adjoining terminal | 500 V | Rated DC voltage | 60 V |
| Rated current | 12 A | Current at maximum wires | 12 A |
| Standards | IEC 60947-7-3 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 6 kV | Power loss in accordance with IEC 60947-7-x | 0.77 W |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|---|--------|---|--------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR) | 12 AWG |
| Conductor size Field wiring min. (UR) | 26 AWG | | |

Creation date October 4, 2024 9:16:56 PM CEST

ZSI 2.5/2/LD 60AC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000899 | ETIM 7.0 | EC000899 |
| ETIM 8.0 | EC000899 | ETIM 9.0 | EC000899 |
| ECLASS 9.0 | 27-14-11-16 | ECLASS 9.1 | 27-14-11-16 |
| ECLASS 10.0 | 27-14-11-16 | ECLASS 11.0 | 27-14-11-16 |
| ECLASS 12.0 | 27-14-11-16 | ECLASS 13.0 | 27-25-01-13 |
| ECLASS 14.0 | 27-25-01-13 | | |

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------|
| REACH SVHC | / |
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7cl |

Important note

| | |
|---------------------|--|
| Product information | The voltage depends on the selected fuse element or the selected indicator light |
|---------------------|--|

Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Llyods Register Certificate RINA Certificate CB Certificate CB Certificate CB Certificate DNV Certificate Declaration of Conformity UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | Beipackzettel_SAKS_GL_LD.pdf StorageConditionsTerminalBlocks User Manual Z-Series |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

ZSI 2.5/2/LD 60AC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories****2.5 mm²**

2.5
mm²

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

General ordering data

| | | |
|------------|----------------------------|------------------------------------|
| Type | ZQS 2.5/3 | Version |
| Order No. | 1633210000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190263393 | |
| Qty. | 20 pc(s). | |
| Type | ZQS 2.5/2 | Version |
| Order No. | 1633200000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190263386 | |
| Qty. | 20 pc(s). | |
| Type | ZQS 2.5/5 | Version |
| Order No. | 1633230000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190263416 | |
| Qty. | 20 pc(s). | |
| Type | ZQS 2.5/4 | Version |
| Order No. | 1633220000 | Accessories, Cross-connector, 24 A |
| GTIN (EAN) | 4008190263409 | |
| Qty. | 20 pc(s). | |

ZSI 2.5/2/LD 60AC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- 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 | WS 12/5 MC NE WS | Version |
| Order No. | 1609860000 | WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190203481 | Allen-Bradley, white |
| Qty. | 720 pc(s). | |

Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SDIS SLIM 0.6X3.5X100 | Version |
| Order No. | 2749610000 | Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade |
| GTIN (EAN) | 4050118896350 | thickness (A): 0.6 mm |
| Qty. | 1 pc(s). | |

ZSI 2.5/2/LD 60AC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

ZGB pivotable group tag holder



The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.

The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

| | | |
|------------|----------------------------|---|
| Type | ZGB 15 | Version |
| Order No. | 1636530000 | Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190297053 | Weidmueller, white |
| Qty. | 20 pc(s). | |
| Type | ZGB 30/3.5 | Version |
| Order No. | 1778290000 | Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 3.50 |
| GTIN (EAN) | 4032248161065 | white |
| Qty. | 20 pc(s). | |
| Type | ZGB 30 | Version |
| Order No. | 1611930000 | Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190002251 | Weidmueller, white |
| Qty. | 20 pc(s). | |

Blank



ZS markers - in proven MultiCard-format - have been developed specifically for the Z-series. They have a large printing area. The hinged mechanism even allows access to cross-connectors without dismantling. Quick installation is guaranteed by the fact that the single tags are clipped on in strips. The single tags are easy to separate.

- Hinged marker area
- Can be fitted in strips or individually
- 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 | ZS 15/5 MC NE WS | Version |
| Order No. | 1646630000 | ZS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190401214 | Allen-Bradley, white |
| Qty. | 480 pc(s). | |

ZSI 2.5/2/LD 60AC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories****WS 12/5****WS/ DEK**

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

| | | |
|------------|----------------------------|--|
| Type | WS 12/5 MM WS | Version |
| Order No. | 2007190000 | WS, Terminal marker, 12 x 5 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392036 | |
| Qty. | 800 pc(s). | |

ZSI 2.5/2/LD 60AC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

Blank



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.

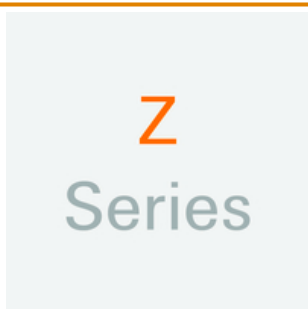
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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 | DEK 5/8 MC NE WS | Version |
| Order No. | 1856740000 | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4032248400850 | Weidmueller, white |
| Qty. | 800 pc(s). | |

Z-Series



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

| | | |
|------------|----------------------------|--------------------------------|
| Type | ZTA 1/ZA | Version |
| Order No. | 1609050000 | Accessories, Test adapter, 9 A |
| GTIN (EAN) | 4008190206543 | |
| Qty. | 25 pc(s). | |

| | | |
|------------|----------------------------|--------------------------------|
| Type | ZTA 1 | Version |
| Order No. | 1609040000 | Accessories, Test adapter, 9 A |
| GTIN (EAN) | 4008190196851 | |
| Qty. | 25 pc(s). | |

ZSI 2.5/2/LD 60AC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

Z-Series



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|---------------------------------|
| Type | ZST 1 | Version |
| Order No. | 1269070000 | Accessories, Accessories holder |
| GTIN (EAN) | 4050118094091 | |
| Qty. | 25 pc(s). | |

STR transparent strips



General ordering data

| | | |
|------------|----------------------------|--|
| Type | STR 7 F.SCHT 7 | Version |
| Order No. | 0515300000 | Terminal markers, Protective cap, 27 x 6.3 mm, Transparent |
| GTIN (EAN) | 4008190182175 | |
| Qty. | 20 pc(s). | |

ZSI 2.5/2/LD 60AC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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). | |

2.5 mm²

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

| | | |
|------------|----------------------------|---------------------|
| Type | ZAP TNHE/ZSI2.5 | Version |
| Order No. | 1610840000 | Z-series, End plate |
| GTIN (EAN) | 4008190263379 | |
| Qty. | 25 pc(s). | |

ZSI 2.5/2/LD 60AC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories****DEK 5/8****WS/ DEK**

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

| | | |
|------------|----------------------------|--|
| Type | DEK 5/8 MM WS | Version |
| Order No. | 2007130000 | Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392012 | |
| Qty. | 500 pc(s). | |