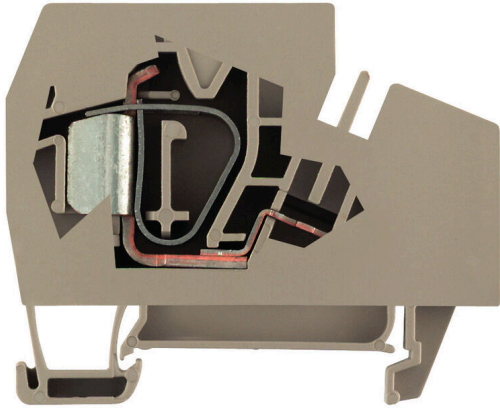


**ZEI 16-2/1AN****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

**Product image**

Our feed-in terminal blocks in combination with cross-connections offer the possibility of flexible potential distribution on terminal blocks with a different rated cross-section.

**General ordering data**

|            |   |
|------------|---|
| Version    | Supply terminal, Tension-clamp connection, 16 mm <sup>2</sup> , 800 V, 76 A, dark beige |
| Order No.  | <a href="#">1772940000</a>  |
| Type       | ZEI 16-2/1AN  |
| GTIN (EAN) | 4032248136568   |
| Qty.       | 20 items  |

## Technical data

### Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

### Dimensions and weights

|                          |             |                |             |
|--------------------------|-------------|----------------|-------------|
| Depth                    | 50.5 mm     | Depth (inches) | 1.9882 inch |
| Depth including DIN rail | 51.5 mm     | Height         | 61.5 mm     |
| Height (inches)          | 2.4213 inch | Width          | 14 mm       |
| Width (inches)           | 0.5512 inch | Net weight     | 24.9 g      |

### Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -50 °C...75 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 120 °C         |

### Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

### Material data

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

### System specifications

|                                   |  |                                     |     |
|-----------------------------------|--|-------------------------------------|-----|
| Version                           | Tension-clamp connection, for plug-in cross-connector, in closed state | End cover plate required            | Yes |
| Number of levels                  | 1  | Number of clamping points per level | 1   |
| Levels cross-connected internally | No   | PE connection                       | No  |
| Mounting rail                     | TS 35  |                                     |     |

### Additional technical data

|                          |        |                             |         |
|--------------------------|--------|-----------------------------|---------|
| Open sides               | closed | Number of similar terminals | 1       |
| Explosion-tested version | No     | Type of mounting            | Snap-on |

### CSA rating data

|                               |        |                       |                |
|-------------------------------|--------|-----------------------|----------------|
| Wire cross section max. (CSA) | 4 AWG  | Voltage size C (CSA)  | 600 V          |
| Current size C (CSA)          | 65 A   | Certificate No. (CSA) | 200039-1152892 |
| Wire cross section min. (CSA) | 14 AWG |                       |                |

### Conductors for clamping (additional connection)

Connection type, additional connection Tension-clamp connection

## Technical data

### Conductors for clamping (rated connection)

|   |                          |   |                     |
|---|--------------------------|---|---------------------|
| Gauge to IEC 60947-1  | A7                       | Wire connection cross section AWG, max.   | AWG 4               |
| Connection direction  | Inclined / angled        | Stripping length  | 18 mm               |
| Type of connection  | Tension-clamp connection | Number of connections   | 1                   |
| Clamping range, max.  | 25 mm <sup>2</sup>       | Clamping range, min.  | 1.5 mm <sup>2</sup> |
| Blade size  | 1.0 x 5.5 mm             | Wire connection cross section AWG, min.   | AWG 14              |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 16 mm <sup>2</sup>       | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 16 mm <sup>2</sup>       | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 16 mm <sup>2</sup>       | Wire connection cross section, finely stranded, min.                                    | 1.5 mm <sup>2</sup> |
| Connection cross-section, stranded, max.  | 25 mm <sup>2</sup>       | Connection cross-section, stranded, min.  | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.   | 10 mm <sup>2</sup>       | Wire connection cross-section, solid core, min.   | 1.5 mm <sup>2</sup> |

### General

|   |                                  |   |        |
|---|----------------------------------|---|--------|
| Wire connection cross section AWG, max. | AWG 4                            | Wire connection cross section AWG, min. | AWG 14 |
| Standards                               | In accordance with IEC 60947-7-1 | Mounting rail                           | TS 35  |

### Rating data

|  |                    |                                 |                                  |
|--|--------------------|---------------------------------|----------------------------------|
| Rated cross-section                          | 16 mm <sup>2</sup> | Rated voltage                   | 800 V                            |
| Rated DC voltage                             | 800 V              | Nominal current                 | 76 A                             |
| Current at maximum wires                     | 76 A               | Standards                       | In accordance with IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.42 mΩ            | Rated impulse withstand voltage | 6 kV                             |
| Power loss in accordance with IEC 60947-7-x  | 2.43 W             | Pollution severity              | 3                                |

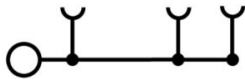
### UL rating data

|   |        |   |        |
|---|--------|---|--------|
| Conductor size Factory wiring max. (UR) | 4 AWG  | Current size C (UR)                     | 65 A   |
| Voltage size C (UR)                     | 600 V  | Conductor size Factory wiring min. (UR) | 14 AWG |
| Certificate No. (UR)                    | E60693 | Conductor size Field wiring min. (UR)   | 14 AWG |
| Conductor size Field wiring max. (UR)   | 4 AWG  |   |        |

### Classifications

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

**Drawings**



### Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

### General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | ZQV 2.5/2                  | Version   |
| Order No.  | <a href="#">1608860000</a> | Z-series, Cross-connector, 24 A                                   |
| GTIN (EAN) | 4008190123680              |   |
| Qty.       | 60 ST                      |   |
| Type       | ZQV 2.5/3                  | Version   |
| Order No.  | <a href="#">1608870000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190061630              |   |
| Qty.       | 60 ST                      |   |
| Type       | ZQV 2.5/4                  | Version   |
| Order No.  | <a href="#">1608880000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190082208              |   |
| Qty.       | 60 ST                      |   |
| Type       | ZQV 2.5/5                  | Version   |
| Order No.  | <a href="#">1608890000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190065713              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 2.5/6                  | Version   |
| Order No.  | <a href="#">1608900000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190149840              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 2.5/7                  | Version   |
| Order No.  | <a href="#">1608910000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190159665              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 2.5/8                  | Version   |
| Order No.  | <a href="#">1608920000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190061531              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 2.5/9                  | Version   |
| Order No.  | <a href="#">1608930000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190117009              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 2.5/10                 | Version   |
| Order No.  | <a href="#">1608940000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190099060              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 2.5/20                 | Version   |
| Order No.  | <a href="#">1908960000</a> | Z-series, Cross-connector, For the terminals, Number of poles: 20 |
| GTIN (EAN) | 4032248535293              |   |
| Qty.       | 20 ST                      |   |

## ZEI 16-2/1AN

**Weidmüller Interface GmbH & Co. KG**  
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 D-32758 Detmold  
 Germany

www.weidmueller.com

### Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | ZQV 2.5/50                 | Version   |
| Order No.  | <a href="#">1697540000</a> | Accessories, Cross-connector, 24 A                                |
| GTIN (EAN) | 4008190883256              |   |
| Qty.       | 10 ST                      |   |
| Type       | ZQV 4/2 GE                 | Version   |
| Order No.  | <a href="#">1608950000</a> | Accessories, Cross-connector, 32 A                                |
| GTIN (EAN) | 4008190263225              |   |
| Qty.       | 60 ST                      |   |
| Type       | ZQV 4/3 GE                 | Version   |
| Order No.  | <a href="#">1608960000</a> | Accessories, Cross-connector, 32 A                                |
| GTIN (EAN) | 4008190263232              |   |
| Qty.       | 60 ST                      |   |
| Type       | ZQV 4/4 GE                 | Version   |
| Order No.  | <a href="#">1608970000</a> | Accessories, Cross-connector, 32 A                                |
| GTIN (EAN) | 4008190263249              |   |
| Qty.       | 60 ST                      |   |
| Type       | ZQV 4/5 GE                 | Version   |
| Order No.  | <a href="#">1608980000</a> | Accessories, Cross-connector, 32 A                                |
| GTIN (EAN) | 4008190263256              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 4/6 GE                 | Version   |
| Order No.  | <a href="#">1608990000</a> | Accessories, Cross-connector, 32 A                                |
| GTIN (EAN) | 4008190263263              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 4/7 GE                 | Version   |
| Order No.  | <a href="#">1609000000</a> | Accessories, Cross-connector, 32 A                                |
| GTIN (EAN) | 4008190263270              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 4/8 GE                 | Version   |
| Order No.  | <a href="#">1609010000</a> | Accessories, Cross-connector, 32 A                                |
| GTIN (EAN) | 4008190263287              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 4/9 GE                 | Version   |
| Order No.  | <a href="#">1609020000</a> | Accessories, Cross-connector, 32 A                                |
| GTIN (EAN) | 4008190263294              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 4/10 GE                | Version   |
| Order No.  | <a href="#">1609030000</a> | Accessories, Cross-connector, 32 A                                |
| GTIN (EAN) | 4008190263300              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 4/20 GE                | Version   |
| Order No.  | <a href="#">1909010000</a> | Z-series, Cross-connector, For the terminals, Number of poles: 20 |
| GTIN (EAN) | 4032248535637              |   |
| Qty.       | 20 ST                      |   |
| Type       | ZQV 6/2 GE                 | Version   |
| Order No.  | <a href="#">1627850000</a> | Accessories, Cross-connector, 41 A                                |
| GTIN (EAN) | 4008190200428              |   |
| Qty.       | 60 ST                      |   |
| Type       | ZQV 6/3 GE                 | Version   |
| Order No.  | <a href="#">1627860000</a> | Accessories, Cross-connector, 41 A                                |
| GTIN (EAN) | 4008190200435              |   |
| Qty.       | 60 ST                      |   |

## ZEI 16-2/1AN

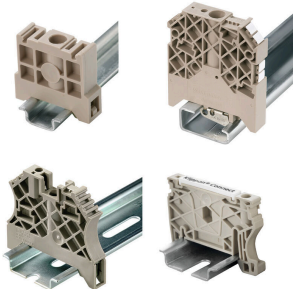
**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Accessories

|            |                            |                                    |
|------------|----------------------------|------------------------------------|
| Type       | ZQV 6/4 GE                 | Version                            |
| Order No.  | <a href="#">1627870000</a> | Accessories, Cross-connector, 41 A |
| GTIN (EAN) | 4008190200442              |                                    |
| Qty.       | 60 ST                      |                                    |
| Type       | ZQV 6/24 GE                | Version                            |
| Order No.  | <a href="#">1908990000</a> | Accessories, Cross-connector, 41 A |
| GTIN (EAN) | 4032248535309              |                                    |
| Qty.       | 10 ST                      |                                    |
| Type       | ZQV 6/32 GE                | Version                            |
| Order No.  | <a href="#">1733640000</a> | Accessories, Cross-connector, 41 A |
| GTIN (EAN) | 4008190994334              |                                    |
| Qty.       | 10 ST                      |                                    |

## End bracket

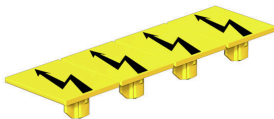


Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

### General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | ZEW 35                     | Version   |
| Order No.  | <a href="#">9540000000</a> | End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C |
| GTIN (EAN) | 4008190956264              |   |
| Qty.       | 20 ST                      |   |

## Warning cover



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

### General ordering data

|            |                            |                 |
|------------|----------------------------|-----------------|
| Type       | ZAD 5/5                    | Version         |
| Order No.  | <a href="#">1745210000</a> | Z-series, Cover |
| GTIN (EAN) | 4008190071448              |                 |
| Qty.       | 20 ST                      |                 |

## 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.

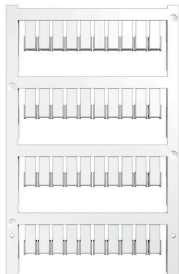
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- 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       | DEK 5/8 MC SDR             | Version   |
| Order No.  | <a href="#">1856750000</a> | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4032248400867              | Weidmueller, To customer specification                    |
| Qty.       | 160 ST                     |   |

## 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 12/6 MC NE WS           | Version  |
| Order No.  | <a href="#">1610020000</a> | ZS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, |
| GTIN (EAN) | 4008190444600              | Allen-Bradley, white   |
| Qty.       | 400 ST                     |  |

## 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.  | <a href="#">1805490000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231              |                            |
| Qty.       | 100 ST                     |                            |

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | BZT 1 ZA WS 10/5           | Version                    |
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248              |                            |
| Qty.       | 100 ST                     |                            |

### Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

#### General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SDS 1.0X5.5X150            | Version   |
| Order No.  | <a href="#">2749380000</a> | Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm |
| GTIN (EAN) | 4050118895605              |   |
| Qty.       | 1 ST                       |   |

**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.  | <a href="#">2007130000</a> |         | Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392012              |         |  |
| Qty.       | 500 ST                     |         |  |