

Z-series
ZEI 16-2/1AN**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
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Germany
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Terminal blocks in tension clamp system and the Z Series are specially customised to the customers' requirements. Less space, spacious labelling area, integrated test point, cross-connection functionality within the Z Series and another family of terminals by Weidmüller. Z-Series terminals have a large clamping range and one or two cross-connection slots. Plug-in standard cross-connections enable potentials to be distributed over any number of terminals.

General ordering data

Type	ZEI 16-2/1AN
Order No.	1772940000
Version	Z-series, Supply terminal, Rated cross-section: Tension clamp connection, Wemid, Dark Beige
GTIN (EAN)	4032248136568
Qty.	20 pc(s).

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Technical data**Dimensions and weights**

Length	61.5 mm	Width	14 mm
Height	50.5 mm	Height of lowest version	51.5 mm
Net weight	28.3 g		

Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	closed	Type of mounting	Snap-on
Version	Tension-clamp connection, for plug-in cross-connector, closed		

CSA ratings data

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

Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	1.5 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	16 mm ²
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Clampable wires (rated connection)

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

Rated data

Rated voltage	800 V	Rated impulse withstand voltage	6 kV
Rated current	76 A	Current at maximum wires	76 A
Standards	IEC 60947-1	Pollution severity	3

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Technical data

UL ratings data

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

Material data

Insulating material	Wemid	Material	Wemid
Colour	Dark Beige	UL 94 flammability rating	V-0

System specifications

Product family	Z-series	Type of connection	Tension clamp connection
Connection direction	Inclined / angled	Number of levels	1
Number of connections	1	No. of clamping points per level	1
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes		

Classifications

ETIM 3.0	EC000897	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-20	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

Product information

Descriptive text ordering data	End plate is integrated.
Descriptive text technical data	Rated voltage is reduced to 400 V or the IP rated voltage of the distribution terminals.
Descriptive text accessories	The plug-in cross-connections ZQV 2.5/..., ZQV 4/... and ZQV 6/... can be used.

Approvals

Approvals



ROHS Conform

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Accessories
ZQV 6


Weidmüller offers users of modular terminals of the Z-Series a comprehensive range of accessories that render possible appropriate solutions for all - even non-standard - tasks.

The accessories must comply with the same quality standards as the modular terminals themselves.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 6/3 GE	1627860000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 3	4008190200435	60 pc(s).
ZQV 6/24 GE	1908990000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 24	4032248535309	10 pc(s).
ZQV 6/2 GE	1627850000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 2	4008190200428	60 pc(s).
ZQV 6/4 GE	1627870000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 4	4008190200442	60 pc(s).
ZQV 6/32 GE	1733640000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 32	4008190994334	10 pc(s).

ZAD


Weidmüller offers users of modular terminals of the Z-Series a comprehensive range of accessories that render possible appropriate solutions for all - even non-standard - tasks.

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZAD 5/5	1745210000	Z-series, Cover	4008190071448	20 pc(s).

Data sheet

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Accessories

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZS 12/6 MC NE WS	1610020000	Terminal markers, MultiCard, 12 x 6 mm, Polyamide 66, Colour: White	4008190444600	400 pc(s).

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	Order No.	Version	GTIN (EAN)	Qty.
SDS 1.0X5.5X150	9008350000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade thickness (A): 1 mm	4032248056316	1 pc(s).

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Accessories
ZQV 4


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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 4/4 GE	1608970000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 4	4008190263249	60 pc(s).
ZQV 4/10 GE	1609030000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 10	4008190263300	20 pc(s).
ZQV 4/7 GE	1609000000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 7	4008190263270	20 pc(s).
ZQV 4/9 GE	1609020000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 9	4008190263294	20 pc(s).
ZQV 4/6 GE	1608990000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 6	4008190263263	20 pc(s).
ZQV 4/5 GE	1608980000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 5	4008190263256	20 pc(s).
ZQV 4/8 GE	1609010000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 8	4008190263287	20 pc(s).
ZQV 4/2 GE	1608950000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 2	4008190263225	60 pc(s).
ZQV 4/3 GE	1608960000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 3	4008190263232	60 pc(s).

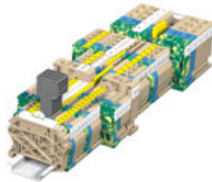
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Accessories

Cross-connection

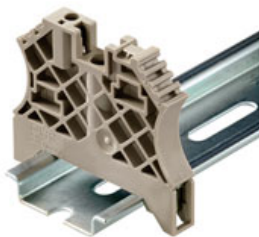
A plug-in cross-connection system (ZQV) is available for all modular terminals of the P-series.



General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 2.5/20	1908960000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 20	4032248535293	20 pc(s).

for TS 35 terminal rail



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	Order No.	Version	GTIN (EAN)	Qty.
ZEW 35	9540000000	Accessories, End bracket	4008190956264	20 pc(s).

ZQV 2.5



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The accessories must comply with the same quality standards as the modular terminals themselves.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 2.5/9	1608930000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 9	4008190117009	20 pc(s).

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Accessories

ZQV 2.5/6	1608900000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 6	4008190149840 20 pc(s).
ZQV 2.5/8	1608920000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 8	4008190061531 20 pc(s).
ZQV 2.5/2	1608860000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 2	4008190123680 60 pc(s).
ZQV 2.5/7	1608910000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 7	4008190159665 20 pc(s).
ZQV 2.5/10	1608940000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 10	4008190099060 20 pc(s).
ZQV 2.5/5	1608890000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 5	4008190065713 20 pc(s).
ZQV 2.5/4	1608880000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 4	4008190082208 60 pc(s).
ZQV 2.5/3	1608870000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 3	4008190061630 60 pc(s).
ZQV 2.5/50	1697540000	Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 50	4008190883256 10 pc(s).

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 large range of ready-printed markers.

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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/8 MC SDR	1856750000	Terminal markers, MultiCard, 5 x 8 mm, Polyamide 66, Colour: To customer specification	4032248400867	160 pc(s).