

**Z-series
ZEI 16-2/1AN**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
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www.weidmueller.com

**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	ZEI 16-2/1AN
Order No.	1772940000
Version	Supply terminal, Tension clamp connection, 16 mm ² , 800 V, 76 A, Dark Beige
GTIN (EAN)	4032248136568
Qty.	20 pc(s).

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Technical data**Dimensions and weights**

Width	14 mm	Width (inches)	0.551 inch
Height	61.5 mm	Height (inches)	2.421 inch
Depth	50.5 mm	Depth (inches)	1.988 inch
Depth including DIN rail	51.5 mm	Net weight	28.3 g

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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Material data

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

System specifications

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

Additional technical data

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

CSA rating data

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

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

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

Rating data

Rated cross-section	16 mm ²	Rated voltage	800 V
Rated 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	Pollution severity	3

UL rating data

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

Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	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
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	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.

Data sheet**Z-series
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Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[DE_PT1141_20160418_1344_ISSUE01.pdf](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)**Safety note**

Safety notice

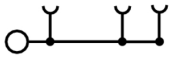
[Safety Information](#)

Data sheet

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Drawings



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Accessories
ZQV 4

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 4/8 GE	1609010000	Accessories, Cross-connector, 32 A	4008190263287	20 pc(s).
ZQV 4/20 GE	1909010000	Z-series, Cross-connector, For the terminals, No. of poles: 20	4032248535637	20 pc(s).
ZQV 4/4 GE	1608970000	Accessories, Cross-connector, 32 A	4008190263249	60 pc(s).
ZQV 4/10 GE	1609030000	Accessories, Cross-connector, 32 A	4008190263300	20 pc(s).
ZQV 4/3 GE	1608960000	Accessories, Cross-connector, 32 A	4008190263232	60 pc(s).
ZQV 4/2 GE	1608950000	Accessories, Cross-connector, 32 A	4008190263225	60 pc(s).
ZQV 4/5 GE	1608980000	Accessories, Cross-connector, 32 A	4008190263256	20 pc(s).
ZQV 4/7 GE	1609000000	Accessories, Cross-connector, 32 A	4008190263270	20 pc(s).
ZQV 4/9 GE	1609020000	Accessories, Cross-connector, 32 A	4008190263294	20 pc(s).
ZQV 4/6 GE	1608990000	Accessories, Cross-connector, 32 A	4008190263263	20 pc(s).

Covers

Spring connection with tension clamp Technology

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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).

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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	ZS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, Allen-Bradley, 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 6

Spring connection with tension clamp Technology

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 6/4 GE	1627870000	Accessories, Cross-connector, 41 A	4008190200442	60 pc(s).
ZQV 6/24 GE	1908990000	Accessories, Cross-connector, 41 A	4032248535309	10 pc(s).
ZQV 6/2 GE	1627850000	Accessories, Cross-connector, 41 A	4008190200428	60 pc(s).
ZQV 6/32 GE	1733640000	Accessories, Cross-connector, 41 A	4008190994334	10 pc(s).
ZQV 6/3 GE	1627860000	Accessories, Cross-connector, 41 A	4008190200435	60 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 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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/8 MC SDR	1856750000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 Weidmueller, To customer specification	4032248400867	160 pc(s).

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Accessories**ZQV 2.5****Spring connection with tension clamp Technology**

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General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 2.5/4	1608880000	Accessories, Cross-connector, 24 A	4008190082208	60 pc(s).
ZQV 2.5/6	1608900000	Accessories, Cross-connector, 24 A	4008190149840	20 pc(s).
ZQV 2.5/9	1608930000	Accessories, Cross-connector, 24 A	4008190117009	20 pc(s).
ZQV 2.5/5	1608890000	Accessories, Cross-connector, 24 A	4008190065713	20 pc(s).
ZQV 2.5/50	1697540000	Accessories, Cross-connector, 24 A	4008190883256	10 pc(s).
ZQV 2.5/2	1608860000	Accessories, Cross-connector, 24 A	4008190123680	60 pc(s).
ZQV 2.5/3	1608870000	Accessories, Cross-connector, 24 A	4008190061630	60 pc(s).
ZQV 2.5/7	1608910000	Accessories, Cross-connector, 24 A	4008190159665	20 pc(s).
ZQV 2.5/10	1608940000	Accessories, Cross-connector, 24 A	4008190099060	20 pc(s).
ZQV 2.5/8	1608920000	Accessories, Cross-connector, 24 A	4008190061531	20 pc(s).
ZQV 2.5/20	1908960000	Z-series, Cross-connector, For the terminals, No. of poles: 20	4032248535293	20 pc(s).

