

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

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
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**Product image**

**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.	<a href="#">1772940000</a>
Version	Supply terminal, Tension clamp connection, 16 mm <sup>2</sup> , 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		

### Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, max.	25 mm <sup>2</sup>
Clamping range, min.	1.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	25 mm <sup>2</sup>
Connection cross-section, stranded, min.	16 mm <sup>2</sup>	Connection direction	Inclined / angled
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, max.	16 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 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, 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>

## Data sheet

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### Rating data

Rated cross-section	16 mm <sup>2</sup>	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.
Instructions for accessories	The plug-in cross-connections ZQV 2.5/..., ZQV 4/... and ZQV 6/... can be used.

### Approvals

Approvals



ROHS Conform

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">DE_PT1141_20160418_1344_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>

### Safety note

Safety notice [Safety Information](#)

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**Drawings**

