

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

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com



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.	<a href="#">1772940000</a>
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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## Technische Daten

### 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 <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	16 mm <sup>2</sup>
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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 <sup>2</sup>
Clamping range, rated connection, max.	25 mm <sup>2</sup>	Gauge to IEC 60947-1	A7
Wire connection cross section, solid core, max. rated connection	1.5 mm <sup>2</sup>	Wire connection cross section, solid core max. rated connection	10 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, min.	16 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, max.	25 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>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	16 mm <sup>2</sup>
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	1.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	16 mm <sup>2</sup>
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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## Technische Daten

### 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