

## Z-series ZDU 16S

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 1429-0  
 Fax: +49 5231 14292083  
 www.weidmueller.com



### Building installation wiring

For building installations, we offer a complete system that revolves around the 10×3 copper rail and comprises perfectly coordinated components: from installation terminal blocks, neutral conductor terminal blocks and distribution terminal blocks to comprehensive accessories such as busbars and busbar holders.

### General ordering data

Type	ZDU 16S
Order No.	<a href="#">1739580000</a>
Version	Z-series, Installation multi-tier terminal, Feed-through terminal, Rated cross-section: 16 mm <sup>2</sup> , Tension clamp connection, Dark Beige, Direct mounting
GTIN (EAN)	4008190957049
Qty.	25 Stück

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## Technische Daten

### Dimensions and weights

Width	12 mm	Width (inches)	0.472 inch
Height	95 mm	Height (inches)	3.74 inch
Depth	48 mm	Depth (inches)	1.89 inch
Depth including DIN rail	48.5 mm	Net weight	37.48 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, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
No. of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	No	PE connection	No
Mounting rail	TS 35	N-function	No
PE function	No	PEN function	No

### Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Open sides	right	Type of mounting	Snap-on

### CSA rating data

Certificate No. (CSA)	200039-1152892	Current size B (CSA)	65 A
Current size C (CSA)	65 A	Current size D (CSA)	5 A
Voltage size B (CSA)	300 V	Voltage size C (CSA)	300 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	4 AWG
Wire cross section min. (CSA)	14 AWG		

### Conductors for clamping (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	16 mm <sup>2</sup>
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## Technische Daten

### Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm	Clamping range, rated connection, max.	25 mm <sup>2</sup>
Clamping range, rated connection, min.	1.5 mm <sup>2</sup>	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 <sup>2</sup>	Gauge to IEC 60947-1	A7
Number of connections	2	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 <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, max.	16 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	16 mm <sup>2</sup>	Wire connection cross section, solid core, min. rated connection	1.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	25 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	16 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, finely stranded, min.	1.5 mm <sup>2</sup>

### Disconnect terminals

For N-busbar	10 x 3 mm
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### PE rating data

PEN function	No
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### Rating data

Rated cross-section	16 mm <sup>2</sup>	Rated voltage	400 V
Rated current	76 A	Current at maximum wires	76 A
Standards	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	EC001329
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	27-14-11-25		

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## Technische Daten

### Product information

Descriptive text ordering data	The distance from holding plate to holding plate should be 200 mm.
Descriptive text technical data	The supply to the busbar is via a busbar connection (ZB 35, ZB 16 or ZF 4S).

### Approvals

Approvals



ROHS Conform

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">DE_PT1103_20160418_1169_ISSUE01.pdf</a>
Brochure/Catalogue	<a href="#">CAT 1 TERM 16/17 EN</a>
Engineering Data	<a href="#">EPLAN.WSCAD</a>

### Safety note

Safety notice [Safety Information](#)

