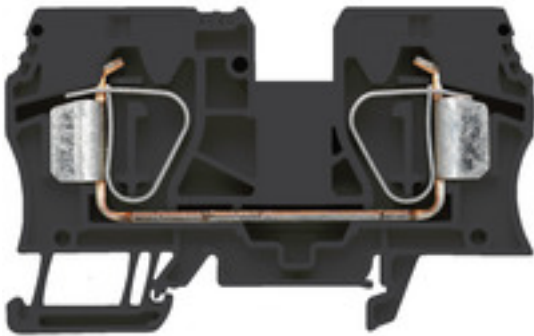


ZDU 16 SW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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

Version	Feed-through terminal, Tension-clamp connection, 16 mm ² , 1000 V, 76 A, black
Order No.	1830650000
Type	ZDU 16 SW
GTIN (EAN)	4032248767618
Qty.	25 pc(s).

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Technical data**Dimensions and weights**

Depth	50.5 mm	Depth (inches)	1.988 inch
Depth including DIN rail	51.5 mm	Height	82.5 mm
Height (inches)	3.248 inch	Net weight	38.44 g
Width	12.1 mm	Width (inches)	0.476 inch

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-50	Continuous operating temp., max.	120

Material data

Material	Wemid	Colour	black
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA99ATEX5514U	ATEX certificate	KEMA99ATEX5514U_e.pdf
ATEX certificate	KEMA99ATEX5514U_d.pdf	Certificate No. (IECEX)	IECEXULD15.0008U
IEC Ex certificate	IECEXULD05.0009U_e.pdf	Max. voltage (ATEX)	550 V
Current (ATEX)	66 A	Wire cross section max. (ATEX)	16 mm ²
Max. voltage (IECEX)	690 V	Current (IECEX)	68 A
Wire cross section max. (IECEX)		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	25 mm ²		
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Tension-clamp connection, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of levels	1	Number of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Rail	TS 35

Additional technical data

Explosion-tested version	Yes	Number of similar terminals	1
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	Voltage size B (CSA)	600 V
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, max.	25 mm ²
Clamping range, min.	1.5 mm ²	Connection cross-section, stranded, max.	25 mm ²
Connection cross-section, stranded, min.	1.5 mm ²	Connection direction	top
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, max.	16 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²		

Dimensions

TS 35 offset	42 mm
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General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 4	Wire connection cross section AWG, min.	AWG 14

Rating data

Power loss in accordance with IEC 60947-7-x	2.43 W	Rated cross-section	16 mm ²
Rated voltage	1,000 V	Rated current	76 A
Current at maximum wires	98 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.42 mΩ	Rated impulse withstand voltage	8 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
UL_current_Print	65 A	UL_voltage_Print	600 V
UL_wire_max_Print	4 AWG	UL_wire_min_Print	14 AWG
Voltage size C (UR)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ECLASS 9.0	27-14-11-20	ECLASS 9.1	27-14-11-20
ECLASS 10.0	27-14-11-20	ECLASS 11.0	27-14-11-20

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Technical data**Approvals**

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate ATEX Certificate CB Test Certificate CB Certificate EAC certificate INMETRO certificate Lloyds Register Certificate EAC EX Certificate CCC Ex Certificate ATEX Certificate
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks NTI ZDU/ZPE 16

ZDU 16 SW

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Drawings

