

ZDU 35**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, 35 mm ² , 800 V, 125 A, dark beige
Order No.	1739620000
Type	ZDU 35
GTIN (EAN)	4008 19095 7070
Qty.	10 pc(s).

Creation date November 23, 2020 8:12:31 PM CET

Catalogue status 20.11.2020 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Depth	58.5 mm	Depth (inches)	2.303 inch
Depth including DIN rail	59.5 mm	Height	100.5 mm
Height (inches)	3.957 inch	Net weight	82.009 g
Width	16 mm	Width (inches)	0.63 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		

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA00ATEX2107U	ATEX certificate	KEMA00ATEX2107U_d.pdf
ATEX certificate	KEMA00ATEX2107U_e.pdf	Certificate No. (IECEX)	IECEXULD15.0008U
IEC Ex certificate	IECEXULD05.0009U_e.pdf	Max. voltage (ATEX)	690 V
Current (ATEX)	109 A	Wire cross section max. (ATEX)	35 mm ²
Max. voltage (IECEX)	690 V	Current (IECEX)	110 A
Wire cross section max. (IECEX)	35 mm ²	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	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, in closed state	End cover plate required	No
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	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	closed
Type of mounting	Snap-on		

CSA rating data

CSA_current_Print	120 A	CSA_voltage_Print	600 V
CSA_wire_max_Print	2 AWG	CSA_wire_min_Print	12 AWG
Certificate No. (CSA)	200039-1152892	Current size B (CSA)	120 A
Current size C (CSA)	120 A	Current size D (CSA)	5 A
Voltage size B (CSA)	600 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	12 AWG		

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

Blade size	1.0 x 5.5 mm	Clamping range, max.	35 mm ²
Clamping range, min.	2.5 mm ²	Connection cross-section, stranded, max.	35 mm ²
Connection cross-section, stranded, min.	2.5 mm ²	Connection direction	top
Gauge to IEC 60947-1	A8	Number of connections	2
Stripping length	25 mm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 2	Wire connection cross section AWG, min.	AWG 12
Wire connection cross section, finely stranded, max.	35 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm ²	Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	2.5 mm ²		

General

Installation advice	Direct mounting	Rail	TS 35
Standards	IEC 60947-7-1	Wire connection cross section AWG, max.	AWG 2
Wire connection cross section AWG, min.	AWG 12		

Rating data

Rated cross-section	35 mm ²	Rated voltage	800 V
Rated current	125 A	Current at maximum wires	125 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.26 mΩ
Rated impulse withstand voltage	8 kV	Pollution severity	3

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	2 AWG
Conductor size Factory wiring min. (UR)	12 AWG	Conductor size Field wiring max. (UR)	2 AWG
Conductor size Field wiring min. (UR)	12 AWG	Current size C (UR)	120 A
UL_current_Print	120 A	UL_voltage_Print	600 V
UL_wire_max_Print	2 AWG	UL_wire_min_Print	12 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	27141120

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity ATEX Certificate EAC certificate Lloyds Register Certificate EAC EX Certificate Declaration of Conformity Declaration of Conformity
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Cross Connection Guide StorageConditionsTerminalBlocks

Data sheet

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Drawings

