

ZDU 4-2/3AN**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, 4 mm ² , 800 V, 32 A, dark beige
Order No.	1770360000
Type	ZDU 4-2/3AN
GTIN (EAN)	4032248143191
Qty.	100 pc(s).

Creation date July 23, 2021 3:13:51 PM CEST

Catalogue status 23.07.2021 / We reserve the right to make technical changes.

ZDU 4-2/3AN

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	45.5 mm	Depth (inches)	1.791 °C
Depth including DIN rail	46 mm	Height	61.5 mm
Height (inches)	2.421 °C	Width	6.1 mm
Width (inches)	0.24 °C	Net weight	10.21 g

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	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO16ATEX1808U	Certificate No. (IECEX)	IECEXULD16.0036U
Max. voltage (ATEX)	440 V	Current (ATEX)	29 A
Wire cross section max. (ATEX)	6 mm ²	Max. voltage (IECEX)	440 V
Current (IECEX)	29 A	Wire cross section max. (IECEX)	6 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

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	3
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)	35 A
Current size C (CSA)	35 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)	10 AWG
Wire cross section min. (CSA)	26 AWG		

ZDU 4-2/3AN**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

Blade size	0.6 x 3.5 mm	Clamping range, max.	6 Nm
Clamping range, min.	0.13 Nm	Connection direction	Inclined / angled
Gauge to IEC 60947-1	A3	Number of connections	3
Stripping length	10 mm	Twin wire-end ferrules, max.	1.5 Nm
Twin wire-end ferrules, min.	0.5 Nm	Type of connection	Tension-clamp connection
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	4 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 Nm	Wire connection cross-section, solid core, max.	6 Nm
Wire connection cross-section, solid core, min.	0.5 Nm		

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 26

Rating data

Rated cross-section	4 Nm	Rated voltage	800 V
Rated current	32 A	Current at maximum wires	38 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	1 °C
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	1.02 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	10 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	10 AWG
Conductor size Field wiring min. (UR)	26 AWG	Current size C (UR)	33 A
UL_current_Print	33 A	UL_voltage_Print	600 V
UL_wire_max_Print	10 A / 6 A / 10 A / 13 A / 15 A	UL_wire_min_Print	26 A / 6 A / 10 A / 13 A / 15 A
Voltage size C (UR)	600 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	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		

Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity ATEX Certificate IECEX Certificate EAC certificate DNVGL certificate EAC EX Certificate CCC Ex Certificate Declaration of Conformity Declaration of Conformity all terminals
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	NTI ZDU/ZPE 4-2/3AN StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

Data sheet

ZDU 4-2/3AN

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings

