

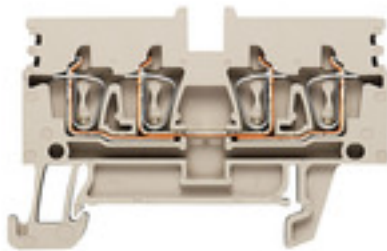
ZDU 2.5N/4AN**Weidmüller Interface GmbH & Co. KG**

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, 2.5 mm ² , 800 V, 24 A, dark beige
Order No.	1933740000
Type	ZDU 2.5N/4AN
GTIN (EAN)	4032248586776
Qty.	50 pc(s).

Creation date March 26, 2021 10:03:40 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

ZDU 2.5N/4AN**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Dimensions and weights**

Depth	38.5 mm	Depth (inches)	1.516 inch
Depth including DIN rail	39 mm	Height	60 mm
Height (inches)	2.362 inch	Net weight	8.24 g
Width	5.1 mm	Width (inches)	0.201 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	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	KEMA06ATEX0271U	ATEX certificate	KEMA06ATEX0271U_e.pdf
ATEX certificate	KEMA06ATEX0271U_d.pdf	Certificate No. (IECEX)	IECEXULD15.0008U
IEC Ex certificate	IECEXKEM06.0048U_e.pdf	Max. voltage (ATEX)	550 V
Current (ATEX)	21 A	Wire cross section max. (ATEX)	2.5 mm ²
Max. voltage (IECEX)	440 V	Current (IECEX)	22 A
Wire cross section max. (IECEX)		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	4 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	4
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Rail	TS 35

Additional technical data

Explosion-tested version	Yes	Open sides	right
Type of mounting	Snap-on		

CSA rating data

Certificate No. (CSA)	200039-1842498	Current size B (CSA)	24 A
Current size C (CSA)	24 A	Voltage size B (CSA)	300 V
Voltage size C (CSA)	300 V	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	30 AWG		

ZDU 2.5N/4AN**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

Cross-section for connected wire, AWG, additional connection, max.	AWG 12	Cross-section for connected wire, AWG, additional connection, min.	AWG 24
--	--------	--	--------

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm	Clamping range, max.	4 mm ²
Clamping range, min.	0.05 mm ²	Connection cross-section, stranded, max.	2.5 mm ²
Connection cross-section, stranded, min.	1.5 mm ²	Connection direction	top
Gauge to IEC 60947-1	A2	Number of connections	4
Stripping length	10 mm	Type of connection	Tension-clamp connection
Wire connection cross section, finely stranded, max.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²	Wire connection cross-section, solid core, max.	4 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

Dimensions

TS 35 offset	25.5 mm
--------------	---------

General

Rail	TS 35	Standards	IEC 60947-7-1
------	-------	-----------	---------------

Rating data

Power loss in accordance with IEC 60947-7-x	0.77 W	Rated cross-section	2.5 mm ²
Rated voltage	800 V	Rated current	24 A
Current at maximum wires	24 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	6 kV
Pollution severity	3		

UL rating data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	12 AWG
Conductor size Factory wiring min. (cURus)	30 AWG	Conductor size Field wiring max. (cURus)	12 AWG
Conductor size Field wiring min. (cURus)	30 AWG	Current size B (cURus)	20 A
Current size C (cURus)	20 A	UL_current_Print	20 A
UL_voltage_Print	300 V	UL_wire_max_Print	12 AWG
UL_wire_min_Print	30 AWG	Voltage size B (cURus)	300 V
Voltage size C (cURus)	300 V		

ZDU 2.5N/4AN

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

www.weidmueller.com

Technical data

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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate ATEX Certificate EAC certificate DNVGL certificate INMETRO certificate EAC EX Certificate CCC Ex Certificate ATEX Certificate Declaration of Conformity Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks NTI ZDU/ZPE 2.5N/4AN

Data sheet

ZDU 2.5N/4AN

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

www.weidmueller.com

Drawings

