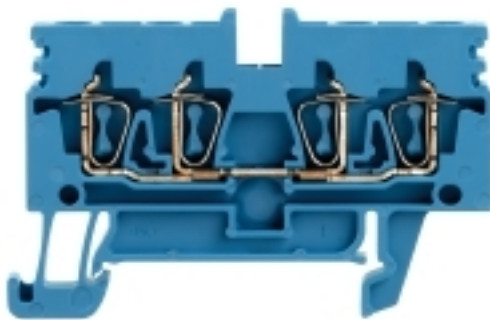


ZDU 2.5N/4AN BL**Weidmüller Interface GmbH & Co. KG**

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, blue
Order No.	1933750000
Type	ZDU 2.5N/4AN BL
GTIN (EAN)	4032248586783
Qty.	50 pc(s).

ZDU 2.5N/4AN BL**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	8.32 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	blue
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 BL**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, min.

0.05 mm²Connection cross-section, stranded, min. 1.5 mm²

Gauge to IEC 60947-1

A2

Stripping length 10 mm

Wire connection cross section, finely
stranded, max.2.5 mm²Wire connection cross-section, finely
stranded with wire-end ferrules DIN
46228/1, min.0.5 mm²Wire connection cross-section, finely
stranded with wire-end ferrules DIN
46228/4, min.0.5 mm²Wire connection cross-section, solid
core, min.0.5 mm²

Clamping range, max.

4 mm²Connection cross-section, stranded,
max.2.5 mm²

Connection direction

top

Number of connections

4

Type of connection

Tension-clamp connection

Wire connection cross-section, finely
stranded with wire-end ferrules DIN
46228/1, max.1.5 mm²Wire connection cross-section, finely
stranded with wire-end ferrules DIN
46228/4, max.1.5 mm²Wire connection cross-section, solid
core, max.4 mm²**General**

Rail TS 35

Standards

IEC 60947-7-1

Rating dataPower loss in accordance with IEC
60947-7-x

0.77 W

Rated voltage

800 V

Current at maximum wires

24 A

Volume resistance according to IEC
60947-7-x

1.33 mΩ

Pollution severity

3

Rated cross-section

2.5 mm²

Rated current

24 A

Standards

IEC 60947-7-1

Rated impulse withstand voltage

6 kV

UL rating data

Certificate No. (cURus)

E60693

Conductor size Factory wiring min.
(cURus)

30 AWG

Conductor size Field wiring min. (cURus)

30 AWG

Current size C (cURus)

20 A

UL_voltage_Print

300 V

UL_wire_min_Print

30 AWG

Voltage size C (cURus)

300 V

Conductor size Factory wiring max.
(cURus)

12 AWG

Conductor size Field wiring max. (cURus)

12 AWG

Current size B (cURus)

20 A

UL_current_Print

20 A

UL_wire_max_Print

12 AWG

Voltage size B (cURus)

300 V

Classifications

ETIM 6.0

EC000897

ECLASS 9.0

27-14-11-20

ECLASS 10.0

27-14-11-20

ETIM 7.0

EC000897

ECLASS 9.1

27-14-11-20

ECLASS 11.0

27-14-11-20

ZDU 2.5N/4AN BL

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate ATEX Certificate EAC 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

ZDU 2.5N/4AN BL

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Drawings

