

ZDU 4 RT**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, red
Order No.	1683580000
Type	ZDU 4 RT
GTIN (EAN)	4008190476557
Qty.	100 pc(s).

ZDU 4 RT

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	43 mm	Depth (inches)	1.693 inch
Depth including DIN rail	43.5 mm	Height	62 mm
Height (inches)	2.441 inch	Net weight	12.05 g
Width	6.1 mm	Width (inches)	0.24 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	red
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO15ATEX1467U	ATEX certificate	KEMA97ATEX2521U_d.pdf
ATEX certificate	KEMA97ATEX2521U_e.pdf	Certificate No. (IECEX)	IECEXULD15.0008U
IEC Ex certificate	IECEXULD05.0009U_e.pdf	Max. voltage (ATEX)	550 V
Current (ATEX)	30 A	Wire cross section max. (ATEX)	6 mm ²
Max. voltage (IECEX)	550 V	Current (IECEX)	30 A
Wire cross section max. (IECEX)		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	6 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)	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 RT

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 mm ²
Clamping range, min.	0.13 mm ²	Connection cross-section, stranded, max.	6 mm ²
Connection cross-section, stranded, min.	0.5 mm ²	Connection direction	top
Gauge to IEC 60947-1	A4	Number of connections	2
Stripping length	12 mm	Twin wire-end ferrules, max.	1.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	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.	6 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	4 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.	4 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.	6 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²		

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

Power loss in accordance with IEC 60947-7-x	1.02 W	Rated cross-section	4 mm ²
Rated voltage	800 V	Rated current	32 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1 mΩ	Rated impulse withstand voltage	8 kV
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Certificate No. (cURus)	E60693
Conductor size Factory wiring max. (UR)	10 AWG	Conductor size Factory wiring max. (cURus)	10 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Factory wiring min. (cURus)	26 AWG
Conductor size Field wiring max. (UR)	10 AWG	Conductor size Field wiring max. (cURus)	10 AWG
Conductor size Field wiring min. (UR)	26 AWG	Conductor size Field wiring min. (cURus)	26 AWG
Current size B (cURus)	30 A	Current size C (UR)	33 A
Current size C (cURus)	30 A	UL_current_Print	33 A
UL_voltage_Print	600 V	UL_wire_max_Print	10 AWG
UL_wire_min_Print	26 AWG	Voltage size B (cURus)	600 V
Voltage size C (UR)	600 V	Voltage size C (cURus)	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

Creation date March 24, 2021 7:34:13 PM CET

ZDU 4 RT

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 CB Test Certificate CB Certificate EAC certificate DNVGL certificate DNVGL certificate INMETRO certificate Lloyds Register 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
Product Change Notification	PCN - EN PCN - DE
User Documentation	StorageConditionsTerminalBlocks NTI ZDU/ZPE 4

ZDU 4 RT

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Drawings

