

ZDU 2.5-2/3AN**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Feed-through terminal, Tension-clamp connection, 2.5 mm ² , 800 V, 24 A, dark beige
Order No.	1706010000
Type	ZDU 2.5-2/3AN
GTIN (EAN)	4008190915377
Qty.	100 pc(s).

ZDU 2.5-2/3AN**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	44 mm	Height	50.5 mm
Height (inches)	1.988 inch	Width	5.1 mm
Width (inches)	0.201 inch	Net weight	6.7 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 °C	Continuous operating temp., max.	120 °C

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)	550 V	Current (ATEX)	21 A
Wire cross section max. (ATEX)	4 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	21 A	Wire cross section max. (IECEX)	4 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)	200039-1194786	Current size C (CSA)	23 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	14 AWG
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection Tension-clamp connection

ZDU 2.5-2/3AN**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.	2.5 mm ²		
Clamping range, min.	0.13 mm ²		
Connection cross-section, stranded, max.	0.5 mm ²		
Connection cross-section, stranded, min.	2.5 mm ²		
Connection direction	Inclined / angled		
Gauge to IEC 60947-1	A2		
Number of connections	3		
Stripping length	10 mm		
Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1.5 mm ²
	Tube length	min.	8 mm
		max.	10 mm
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	2.5 mm ²
	Tube length	min.	8 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	6 mm
		max.	10 mm
Type of connection	Cross-section for conductor connection	nominal	1.5 mm ²
	Tube length	min.	8 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	2.5 mm ²
	Tube length	min.	8 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	min.	6 mm
		max.	10 mm
Wire connection cross section AWG, max.	Cross-section for conductor connection	nominal	10 mm
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	6 mm
		max.	10 mm
Wire connection cross section AWG, min.	Cross-section for conductor connection	nominal	10 mm
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	6 mm
		max.	10 mm
Wire connection cross section, finely stranded, max.	Cross-section for conductor connection	nominal	10 mm
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	6 mm
		max.	10 mm
Wire connection cross section, finely stranded, min.	Cross-section for conductor connection	nominal	10 mm
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	6 mm
		max.	10 mm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	Cross-section for conductor connection	nominal	10 mm
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	6 mm
		max.	10 mm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	Cross-section for conductor connection	nominal	10 mm
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	6 mm
		max.	10 mm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	Cross-section for conductor connection	nominal	10 mm
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	6 mm
		max.	10 mm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	Cross-section for conductor connection	nominal	10 mm
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	6 mm
		max.	10 mm
Wire connection cross-section, solid core, max.	Cross-section for conductor connection	nominal	10 mm
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.5 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	0.75 mm ²
	Tube length	min.	6 mm
		max.	10 mm
	Cross-section for conductor connection	nominal	1 mm ²
	Tube length	min.	6 mm
		max.	10 mm

Creation date November 26, 2024 12:07:23 PM CET

ZDU 2.5-2/3AN**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Wire connection cross-section, solid core, min. 0.5 mm²

Dimensions

TS 35 offset 25.5 mm

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 26

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated DC 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	8 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

UL rating data

Certificate No. (cURus) E60693

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	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
ECLASS 12.0	27-14-11-20	ECLASS 13.0	27-25-01-01
ECLASS 14.0	27-25-01-01		

Cradle to gate

0.086 kg CO₂ eq.**Environmental Product Compliance**

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%
Product Carbon Footprint	de.myview.objectmodel.impl.BlockImpl@636b48ab

ZDU 2.5-2/3AN

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693
Certificate No. (cURusEX)	E184763

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity UKCA Ex Attestation of Conformity ATEX Certificate IECEX Certificate CB Test Certificate CB Certificate CCC Ex Certificate UKCA Ex Certificate 17-AV4BO-0545U DNV Certificate Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Product Change Notification	PCN ZDU ZPE 2.5-2 DE PCN ZDU ZPE 2.5-2 EN
User Documentation	NTI ZDU/ZPE 2.5-2/3AN StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

ZDU 2.5-2/3AN

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Drawings

