

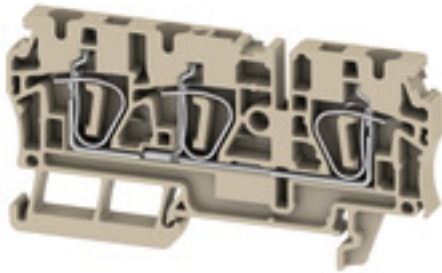
ZDU 4/3AN**Weidmüller Interface GmbH & Co. KG**

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, 4 mm ² , 800 V, 32 A, dark beige
Order No.	7904180000
Type	ZDU 4/3AN
GTIN (EAN)	4008190575953
Qty.	50 pc(s).

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Technical data**Dimensions and weights**

Depth	43 mm	Depth (inches)	1.693 inch
Depth including DIN rail	43.5 mm	Height	83.5 mm
Height (inches)	3.287 inch	Width	6.1 mm
Width (inches)	0.24 inch	Net weight	13.77 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.	-60 °C	Continuous operating temp., max.	130 °C

Material data

Material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO15ATEX1467U	Certificate No. (IECEX)	IECEXULD15.0008U
Max. voltage (ATEX)	550 V	Current (ATEX)	28 A
Wire cross section max. (ATEX)	6 mm ²	Max. voltage (IECEX)	550 V
Current (IECEX)	28 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 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	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	Installation advice	Direct mounting
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		

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Technical data

Conductors for clamping (additional connection)

Connection type, additional connection Tension-clamp connection

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	3			
Stripping length	12 mm			
Tube length for twin wire-end ferrule	Cross-section for conductor connection	nominal	0.5 mm ²	
		min.	8 mm	
		max.	12 mm	
	Tube length	nominal	0.75 mm ²	
		min.	8 mm	
		max.	12 mm	
	Cross-section for conductor connection	nominal	1 mm ²	
		min.	8 mm	
		max.	12 mm	
	Tube length for wire-end ferrule with plastic collar DIN 46228/4	Cross-section for conductor connection	nominal	0.5 mm ²
			min.	8 mm
			max.	12 mm
Tube length		nominal	0.75 mm ²	
		min.	6 mm	
		max.	12 mm	
Cross-section for conductor connection		nominal	1 mm ²	
		min.	6 mm	
		max.	12 mm	
Cross-section for conductor connection		nominal	1.5 mm ²	
		min.	8 mm	
		max.	12 mm	
Tube length	nominal	2.5 mm ²		
	min.	8 mm		
	max.	12 mm		
Cross-section for conductor connection	nominal	4 mm ²		
	min.	10 mm		
	max.	12 mm		
Tube length for wire-end ferrule without plastic collar DIN 46228/1	Cross-section for conductor connection	nominal	0.5 mm ²	
		nominal	12 mm	
		nominal	0.75 mm ²	
	Tube length	nominal	12 mm	
		nominal	12 mm	
		nominal	12 mm	
	Cross-section for conductor connection	nominal	1.5 mm ²	
		nominal	12 mm	
		nominal	2.5 mm ²	
	Tube length	nominal	12 mm	
		nominal	12 mm	
		nominal	12 mm	
Cross-section for conductor connection	nominal	4 mm ²		
	nominal	12 mm		
	nominal	12 mm		
Twin wire-end ferrules, max.	1.5 mm ²			
Twin wire-end ferrules, min.	0.5 mm ²			

Creation date November 26, 2024 12:27:04 PM CET

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Technical data

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, min.	0.5 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

Installation advice	Direct mounting	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 mm ²	Rated voltage	800 V
Rated DC 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
Power loss in accordance with IEC 60947-7-x	1.02 W	Pollution severity	3
Surge voltage category	III		

UL rating data

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

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Technical data

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 0.164 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@24937079

Approvals

Approvals



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

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Technical data

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity UKCA Ex Attestation of Conformity IECEX Certificate CB Test Certificate CB Certificate Lloyds Register Certificate CCC Ex Certificate ATEX Certificate UKCA Ex Certificate RINA Certificate 17-AV4BO-0546U Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10
Engineering Data	CAD data – STEP
Product Change Notification	PCN - EN PCN - DE PCN ZDU4 3AN ZPE4 3AN ATEX IECEX change
User Documentation	StorageConditionsTerminalBlocks NTI ZDU/ZPE 4/3AN
Catalogues	Catalogues in PDF-format
Brochures	

Data sheet

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Drawings

