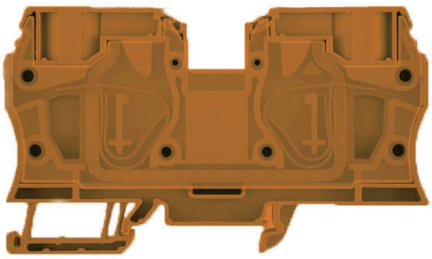
Data sheet

ZDU 35 OR

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

www.weidmueller.com

Product image



More and more components need to be housed within a confined space, in switchgear and panels. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient, and space-saving.

General ordering data

Version	Feed-through terminal, Tension-clamp connection, 35 mm², 800 V, 125 A, orange
Order No.	1830760000
Type	ZDU 35 OR
GTIN (EAN)	4032248615056
Qty.	10 items

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Technical data

Approvals

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

Dimensions and weights

Depth	58.5 mm	Depth (inches)	2.3031 inch
Depth including DIN rail	59.5 mm	Height	100.5 mm
Height (inches)	3.9567 inch	Width	16 mm
Width (inches)	0.6299 inch	Net weight	79.64 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	orange
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO15ATEX1467U	Certificate No. (IECEX)	IECEXULD15.0008U
Max. voltage (ATEX)	690 V	Current (ATEX)	110 A
Wire cross section max. (ATEX)	35 mm²	Max. voltage (IECEX)	690 V
Current (IECEX)	110 A	Wire cross section max. (IECEX)	35 mm²
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, in closed state	End cover plate required	No
Number of potentials	1	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
Mounting rail	TS 35		

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Technical data

Additional technical data

Open sides	closed	Number of similar terminals	1
Installation advice	Direct mounting	Explosion-tested version	Yes
Type of mounting	Snap-on		

CSA rating data

Wire cross section max. (CSA)	2 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	120 A	Certificate No. (CSA)	200039-1152892
Voltage size B (CSA)	600 V	Current size B (CSA)	120 A
Voltage size D (CSA)	600 V	Current size D (CSA)	5 A
Wire cross section min. (CSA)	12 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Tension-clamp connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A8	Wire connection cross section AWG, max.	AWG 2
Connection direction	top	Stripping length	25 mm
Type of connection	Tension-clamp connection	Number of connections	2
Clamping range, max.	35 mm²	Clamping range, min.	2.5 mm²
Blade size	1.0 x 5.5 mm	Wire connection cross section AWG, min.	AWG 12
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm²
Wire connection cross-section, finely stranded, max.	35 mm²	Wire connection cross section, finely stranded, min.	2.5 mm²
Connection cross-section, stranded, max.	35 mm²	Connection cross-section, stranded, min.	2.5 mm²
Wire connection cross-section, solid core, max.	16 mm²	Wire connection cross-section, solid core, min.	2.5 mm²
Connection cross-section, finely stranded (rated connection), min.	2.5 mm²		

General

Wire connection cross section AWG, max.	AWG 2	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 12	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	35 mm²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	125 A
Current at maximum wires	125 A	Standards	IEC 60947-7-1
Volume resistance	0.26 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	4.00 W	Pollution severity	3

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Technical data

UL rating data

Certificate No. (cURus)	E60693

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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Drawings

