Data sheet

ZDU 6-2/3AN GN

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

www.weidmueller.com

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, 6 mm², 400 V, 41 A, green
Order No.	2814090000
Type	ZDU 6-2/3AN GN
GTIN (EAN)	4064675298533
Qty.	50 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Dimensions and weights

Depth	49.5 mm	Depth (inches)	1.9488 inch
Height	68 mm	Height (inches)	2.6772 inch
Width	8.1 mm	Width (inches)	0.3189 inch
Net weight	19.36 g		

Temperatures

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	green
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO16ATEX1808U	Certificate No. (IECEX)	DEMKO16ATEX1808U
Max. voltage (ATEX)	550 V	Current (ATEX)	38 A
Wire cross section max. (ATEX)	10 mm²	Max. voltage (IECEX)	550 V
Current (IECEX)	38 A	Wire cross section max. (IECEX)	10 mm²

System specifications

Version	Tension-clamp connection, for plug-in cross-connector, One end without connector	End cover plate required	Yes
Number of potentials	1	Number of levels	1
Number of clamping points per level	3	Levels cross-connected internally	No
Mounting rail	TS 35		

Additional technical data

Explosion-tested version	Yes	Type of mounting	Snap-on

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Technical data

Conductors for clamping (additional connection)

Connection type, additional connection	Tension-clamp connection

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 8	Connection direction	Inclined / angled
Stripping length	10 mm	Type of connection	Tension-clamp connection
Number of connections	3	Clamping range, max.	10 mm²
Clamping range, min.	0.22 mm²	Blade size	0.8 x 4.0 mm
Wire connection cross section AWG, min.	AWG 22	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.22 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.22 mm²	Wire connection cross-section, finely stranded, max.	10 mm²
Wire connection cross section, finely stranded, min.	0.22 mm²	Connection cross-section, stranded, max.	6 mm²
Connection cross-section, stranded, min.	0.22 mm²	Wire connection cross-section, solid core, max.	10 mm²
Wire connection cross-section, solid core, min.	0.22 mm²	Connection cross-section, finely stranded (rated connection), min.	0.22 mm²

General

Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 22
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	6 mm²	Rated voltage	400 V
Rated DC voltage	800 V	Nominal current	41 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Volume resistance	0.78 mΩ	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	8 AWG	Current size C (UR)	45 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	22 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	22 AWG
Conductor size Field wiring max. (UR)	8 AWG		

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