

WZAD 50N**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

The additional connection enables a separate voltage tap. This can be used, for example, for the emergency power supply before the main switch or simply as an additional connection within the application.

General ordering data

Version	Auxiliary connection (terminal), 6 mm ² , Number of connections: 1
Order No.	1872720000
Type	WZAD 50N
GTIN (EAN)	4032248663712
Qty.	5 items

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Technical data

Approvals

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ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cULus) E60693

Dimensions and weights

Depth	60.5 mm	Depth (inches)	2.3819 inch
Height	30.5 mm	Height (inches)	1.2008 inch
Width	12.5 mm	Width (inches)	0.4921 inch
Net weight	26.12 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	dark beige
UL 94 flammability rating	V-0		

System specifications

Version	Additional connection	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	1		

Additional technical data

Type of fixing	Snap-on	Installation advice	Feed-through (bushing), Direct mounting
Explosion-tested version	No		

CSA rating data

Wire cross section max. (CSA)	8 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	50 A	Certificate No. (CSA)	200039-1057876
Voltage size B (CSA)	600 V	Current size B (CSA)	50 A
Wire cross section min. (CSA)	24 AWG		

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A5	Wire connection cross section AWG, max.	AWG 8
Connection direction	on side	Type of connection	Screw connection

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Number of connections	1	Clamping range, max.	10 mm ²
Clamping range, min.	0.3 mm ²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.3 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.3 mm ²
Wire connection cross section, finely stranded, max.	6 mm ²	Wire connection cross section, finely stranded, min.	0.3 mm ²
Connection cross-section, stranded, max.	6 mm ²	Connection cross-section, stranded, min.	0.3 mm ²
Wire connection cross-section, solid core, max.	10 mm ²	Wire connection cross-section, solid core, min.	0.3 mm ²
Connection cross-section, finely stranded, min.	0.3 mm ²		

Dimensions

Pitch in mm (P)	14.00 mm
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General

Wire connection cross section AWG, max.	AWG 8	Installation advice	Feed-through (bushing), Direct mounting
Wire connection cross section AWG, min.	AWG 26	Standards	IEC 60947-7-1

Rating data

Rated cross-section	6 mm ²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	41 A
Current at maximum wires	41 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.78 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.31 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (cURus)	8 AWG	Voltage size B (cURus)	600 V
Certificate No. (cURus)	E60693	Conductor size Field wiring min. (cURus)	24 AWG
Conductor size Factory wiring min. (cURus)	24 AWG	Current size B (cURus)	50 A
Voltage size C (cURus)	600 V	Current size C (cURus)	50 A
Conductor size Field wiring max. (cURus)	8 AWG		

Classifications

ETIM 8.0	EC002848	ETIM 9.0	EC002848
ETIM 10.0	EC002848	ECLASS 14.0	27-25-03-08
ECLASS 15.0	27-25-03-08		