

**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 <sup>2</sup> , Number of connections: 1
Order No.	<a href="#">1872720000</a>
Type	WZAD 50N
GTIN (EAN)	4032248663712
Qty.	5 items

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) 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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## Technical data

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

### 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 <sup>2</sup>	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		

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## Accessories

[www.weidmueller.com](http://www.weidmueller.com)

### auxillary connection



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

Type	VH 27.4/8/6.4	Version	
Order No.	<a href="#">1967090000</a>	W-Series, Spacer sleeve	
GTIN (EAN)	4032248738700		
Qty.	5 ST		