

**WZAD 50N**

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

www.weidmueller.com

**Product image**



**General ordering data**

Version	W-Series, Additional connection
Order No.	<a href="#">1872720000</a>
Type	WZAD 50N
GTIN (EAN)	4032248663712
Qty.	5 pc(s).

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## Technical data

### Dimensions and weights

Depth	60.5 mm	Depth (inches)	2.382 inch
Height	30.5 mm	Height (inches)	1.201 inch
Width	12.5 mm	Width (inches)	0.492 inch
Net weight	26.12 g		

### Temperatures

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

### Material data

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

### System specifications

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

### Additional technical data

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

### CSA rating data

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

### Conductors for clamping (rated connection)

Clamping range, max.	10 mm <sup>2</sup>	Clamping range, 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>
Connection direction	on side	Gauge to IEC 60947-1	A5
Number of connections	1	Type of connection	Screw connection
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>
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 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, solid core, max.	10 mm <sup>2</sup>	Wire connection cross-section, solid core, min.	0.3 mm <sup>2</sup>

### Dimensions

Pitch in mm (P)	14 mm
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Catalogue status 18.02.2023 / We reserve the right to make technical changes.

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**Technical data****General**

Installation advice	Feed-through (bushing), Direct mounting	Standards	IEC 60947-7-1
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**Rating data**

Rated cross-section	6 mm <sup>2</sup>	Rated voltage	800 V
Rated 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**

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

**Classifications**

ETIM 6.0	EC002848	ETIM 7.0	EC002848
ETIM 8.0	EC002848	ECLASS 9.0	27-14-11-92
ECLASS 9.1	27-14-11-92	ECLASS 10.0	27-14-11-92
ECLASS 11.0	27-14-11-92	ECLASS 12.0	27-14-11-92

**Approvals**

Approvals



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

**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">StorageConditionsTerminalBlocks</a> <a href="#">User documentation WZAD</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	