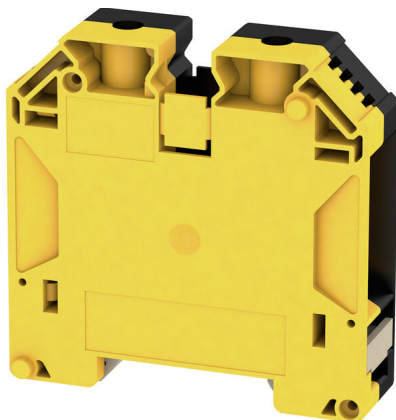


WDU 50N GE/SW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Protective earth terminal blocks for the functional earth ensure electromagnetic compatibility within an electrical system. Our portfolio ranges from terminal blocks with one or more connections to various rated cross-sections.

General ordering data

Version	Feed-through terminal block, Screw connection, black/yellow, 50 mm ² , 150 A, 1000 V, Number of connections: 2
Order No.	2000080000
Type	WDU 50N GE/SW
GTIN (EAN)	4050118455304
Qty.	10 items

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	69.6 mm	Depth (inches)	2.7402 inch
Depth including DIN rail	70.6 mm	Height	70 mm
Height (inches)	2.7559 inch	Width	18.5 mm
Width (inches)	0.7283 inch	Net weight	84.38 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption		
REACH SVHC	No SVHC above 0.1 wt%		
Product Carbon Footprint	Cradle to gate	0.775 kg CO2 eq.	

Material data

Basic material	Wemid	Colour	black/yellow
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEx)	IECExULD14.0005U
Max. voltage (ATEX)	690 V	Current (ATEX)	126 A
Wire cross section max. (ATEX)	50 mm ²	Max. voltage (IECEx)	690 V
Current (IECEx)	126 A	Wire cross section max. (IECEx)	50 mm ²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Screw connection, for screwable cross-connection, 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	N-function	No
PE function	No	PEN function	Yes

Additional technical data

Open sides	closed	Installation advice	Direct mounting
Explosion-tested version	No	Type of mounting	Snap-on

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Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B10	Wire connection cross section AWG, max.	AWG 0
Connection direction	on side	Tightening torque, max.	6 Nm
Tightening torque, min.	3.5 Nm	Stripping length	24 mm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	70 mm ²	Clamping range, min.	10 mm ²
Clamping screw	M 6	Blade size	S4 (DIN 6911)
Wire connection cross section AWG, min.	AWG 8	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	50 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	10 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	50 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	6 mm ²	Wire connection cross-section, finely stranded, max.	50 mm ²
Wire connection cross section, finely stranded, min.	10 mm ²	Connection cross-section, stranded, max.	70 mm ²
Connection cross-section, stranded, min. 6 mm ²		Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	6 mm ²		

General

Wire connection cross section AWG, max.	AWG 0	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 8	Standards	IEC 60947-7-1
Mounting rail	TS 35		

PE rating data

PEN function Yes

Rating data

Rated cross-section	50 mm ²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	150 A
Current at maximum wires	192 A	Standards	IEC 60947-7-1
Volume resistance	0.21 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	4.80 W	Surge voltage category	III
Pollution severity	3		

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		

Drawings

