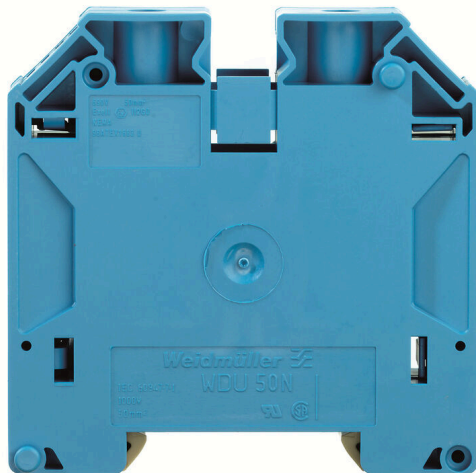


WDU 50N IR BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

More and more components need to be housed within a confined space, in switchgear and panels. As part of the power feed-in, connecting conductors is becoming increasingly challenging, especially for large cross-sections. Our comprehensive range of connection solutions also enables convenient wiring in challenging space conditions. The compact design and the combination of many practical handling benefits make the supply of power to switchgear and panels simple, efficient, and space-saving.

General ordering data

Version	Feed-through terminal block, Screw connection, blue, 50 mm ² , 150 A, 1000 V, Number of connections: 2
Order No.	1422440000
Type	WDU 50N IR BL
GTIN (EAN)	4050118226133
Qty.	10 items

WDU 50N IR BL

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

www.weidmueller.com

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	84.5 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	0.759 kg CO2 eq.	

Material data

Basic material	Wemid	Colour	blue
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	Yes
PE function	No	PEN function	Yes

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Wire connection cross-section, finely stranded with wire end ferrules (DIN 46228/1) (2 clampable wires), max.	16 mm ²	Wire connection cross-section, finely stranded with wire end ferrules (DIN 46228/1) (2 clampable wires), min.	6 mm ²
Wire cross-section, finely stranded (two clampable wires), max.	16 mm ²	Wire connection cross-section, finely stranded (two clampable wires), min.	6 mm ²

WDU 50N IR BL

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Cross-section for connected wire, stranded, (two clampable wires), max.

16 mm²

Cross-section for connected wire, stranded, (two clampable wires), min.

6 mm²

Additional technical data

Open sides closed

Installation advice Direct mounting

Type of mounting Snap-on

Number of similar terminals

1

Explosion-tested version

Yes

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 Nm

Stripping length

24 mm

Type of connection Screw connection

Number of connections

2

Clamping range, max. 70 mm²

Clamping range, min.

10 mm²

Clamping screw M 6

Blade size

TX 20

Wire connection cross section AWG, min.

AWG 8

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.

50 mm²

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.

10 mm²

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.

50 mm²

Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.

10 mm²

Wire connection cross-section, finely stranded, max.

50 mm²

Wire connection cross section, finely stranded, min.

10 mm²

Connection cross-section, stranded, max.

70 mm²Connection cross-section, stranded, min. 10 mm²

Wire connection cross-section, solid core, max.

16 mm²

Wire connection cross-section, solid core, min.

10 mm²

Connection cross-section, finely stranded (rated connection), min.

10 mm²

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 mm²

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

Pollution severity

3

WDU 50N IR BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Technical data****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

