Data sheet

WDU 35N IR

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, dark beige, 35 mm², 125 A, 500 V, Number of connections: 2
Order No.	1393410000
Type	WDU 35N IR
GTIN (EAN)	4050118323504
Qty.	20 items
Delivery status	This article will no longer be available in the future.
Last order date	2027-04-30T00:00:00+02:00
Alternative product	WDU 35N

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	50.5 mm	Depth (inches)	1.9882 inch
Height	66 mm	Height (inches)	2.5984 inch
Width	16 mm	Width (inches)	0.6299 inch
Net weight	48.1 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-60 °C...85 °C
Continuous operating temperature, min.	-60 °C	Continuous operating temperature, 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	0.354 kg CO2 eq.

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

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	Number of similar terminals	1
Explosion-tested version	Yes	Type of mounting	Snap-on

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B8, B9	Wire connection cross section AWG, max.	AWG 10
Connection direction	on side	Tightening torque, max.	5 Nm

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Tightening torque, min.	2.5 Nm	Stripping length	18 mm
Type of connection	Screw connection	Number of connections	2
Conductor cross-section (rated connection), max.	50 mm²	Conductor cross-section (rated connection), min.	2.5 mm²
Clamping screw	M 6	Blade size	TX 20
Wire connection cross section AWG, min.	AWG 12	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm²	Wire connection cross-section, finely stranded, max.	35 mm²
Wire connection cross section, finely stranded, min.	2.5 mm²	Connection cross-section, stranded, max.	50 mm²
Connection cross-section, stranded, min.	2.5 mm²	Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	2.5 mm²		

General

Wire connection cross section AWG, max.	AWG 10	Wire connection cross section AWG, min.	AWG 12
Standards	IEC 60947-7-1	Mounting rail	TS 35

PE rating data

PEN function	Yes

Rating data

Rated cross-section	35 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	125 A
Current at maximum wires	150 A	Standards	IEC 60947-7-1
Contact resistance	0.26 mΩ	Rated impulse withstand voltage	6 kV
Power loss (IEC 60947-7-x)	4.00 W	Pollution severity	3

Important note

Product information	1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW EN partitions

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		

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Drawings

