W-Series
WDU 35N IR

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Product image



Klippon® Connect with clamping yoke Technology
The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easer and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	WDU 35N IR
Order No.	1393410000
Version	Feed-through terminal, Screw connection, 35 mm², 500 V, 125 A, dark beige
GTIN (EAN)	4050118323504
Qty.	20 pc(s).

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Technical data

Dimensions and weights

Width	16 mm	Width (inches)	0.63 inch
Height	66 mm	Height (inches)	2.598 inch
Depth	50.5 mm	Depth (inches)	1.988 inch
Net weight	48.104 g		

Temperatures

Storage temperature, max.	40 °C	Storage temperature, min.	10 °C
Storage temperature	10 °C...40 °C	Continuous operating temp., min.	-60 °C
Continuous operating temp., max.	130 °C		

Material data

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

Rating data IECEx/ATEX

Certificate No. (ATEX)	DEMKO14ATEX1338U	Certificate No. (IECEX)	IECEXULD14.0005U
Max. voltage (ATEX)	352 V	Current (ATEX)	110 A
Wire cross section max. (ATEX)	35 mm²	Max. voltage (IECEX)	352 V
Current (IECEX)	110 A	Wire cross section max. (IECEX)	35 mm²
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	Tightening torque (clamping screw for copper conductors)	2.5...5 Nm
End cover plate required	No	Number of potentials	1
Number of levels	1	No. of clamping points per level	2
Number of potentials per tier	1	Levels cross-connected internally	No
PE connection	No	Rail	TS 35
N-function	No	PE function	No
PEN function	Yes		

Additional technical data

Number of similar terminals	1	Open sides	closed
Type of mounting	Snap-on		

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Technical data

Conductors for clamping (rated connection)

Blade size	TX 20	Clamping range, max.	50 mm²
Clamping range, min.	2.5 mm²	Clamping screw	M 6
Connection cross-section, stranded, max.	50 mm²	Connection cross-section, stranded, min.	2.5 mm²
Connection direction	on side	Gauge to IEC 60947-1	B8
Number of connections	2	Stripping length	18 mm
Tightening torque, max.	5 Nm	Tightening torque, min.	2.5 Nm
Type of connection	Screw connection	Wire connection cross section AWG, max.	AWG 10
Wire connection cross section AWG, min.	AWG 12	Wire connection cross section, finely stranded, max.	35 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 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, min.	2.5 mm²	Wire connection cross-section, solid core, max.	16 mm²
Wire connection cross-section, solid core, min.	2.5 mm²		

Rating data

Rated cross-section	35 mm²	Rated voltage	500 V
Rated current	125 A	Current at maximum wires	150 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.26 mΩ
Rated impulse withstand voltage	6 kV	Pollution severity	3

Classifications

ETIM 3.0	EC000897	ETIM 5.0	EC000897
ETIM 6.0	EC000897	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-20	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20	eClass 8.1	27-14-11-20
eClass 9.0	27-14-11-20	eClass 9.1	27-14-11-20

Approvals

Approvals	EAC
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	IECEx Certificate ATEX Certificate
Engineering Data	STEP
User Documentation	NTI WDU/WPE 35N

Safety note

Safety notice	Safety Information

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Drawings

