

WDU 35N**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****Power feed-in**

Our wide range of W-Series terminal blocks with our WPD main line branch terminals, which are optimised to guarantee both convenience and space gains, ensures a secure and convenient connection at the power feed-in.

General ordering data

Version	Feed-through terminal, Screw connection, 35 mm ² , 500 V, 125 A, dark beige
Order No.	1040400000
Type	WDU 35N
GTIN (EAN)	4008190351816
Qty.	20 pc(s).

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Technical data

Dimensions and weights

Depth	50.5 mm	Depth (inches)	1.988 °C
Depth including DIN rail	51 mm	Height	66 mm
Height (inches)	2.598 °C	Width	16 mm
Width (inches)	0.63 °C	Weight	52 g
Net weight	48.104 g		

Temperatures

Storage temperature	-25 °C...55 °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 mm ²	Max. voltage (IECEx)	352 V
Current (IECEx)	110 A	Wire cross section max. (IECEx)	35 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
Rail	TS 35	N-function	No
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.	6 Nm	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	2.5 Nm
Wire connection cross section, finely stranded, two clampable wires, min.	2.5 Nm	Wire cross-section, finely stranded, two clampable wires, max.	6 Nm

Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	closed	Type of mounting	Snap-on

CSA rating data

Certificate No. (CSA)	12400-388	Current size B (CSA)	120 A
Current size C (CSA)	150 A	Current size D (CSA)	10 A
Voltage size B (CSA)	300 V	Voltage size C (CSA)	600 V
Voltage size D (CSA)	300 V	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	12 AWG		

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Technical data

Conductors for clamping (rated connection)

Blade size	6.5 x 1.2 mm	Clamping range, max.	50 Nm
Clamping range, min.	2.5 Nm	Clamping screw	M 6
Connection cross-section, stranded, max.	50 Nm	Connection cross-section, stranded, min.	2.5 Nm
Connection direction	on side	Gauge to IEC 60947-1	B8
Number of connections	2	Stripping length	18 mm
Tightening torque, max.	5 inch	Tightening torque, min.	4 inch
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 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	35 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	35 Nm	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 Nm
Wire connection cross-section, solid core, max.	16 Nm	Wire connection cross-section, solid core, min.	2.5 Nm

General

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

Rating data

Rated cross-section	35 Nm	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	1.33 °C
Rated impulse withstand voltage	6 kV	Power loss in accordance with IEC 60947-7-x	0.77 W
Pollution severity	3	Surge voltage category	III

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	0 AWG
Conductor size Factory wiring min. (UR)	12 AWG	Conductor size Field wiring max. (UR)	0 AWG
Conductor size Field wiring min. (UR)	12 AWG	Current size C (UR)	150 A
UL_current_Print	150 A	UL_voltage_Print	1,000 V
UL_wire_max_Print	0 A / 6 A / 10 A / 13 A / 15 A	UL_wire_min_Print	12 A / 6 A / 10 A / 13 A / 15 A
Voltage size C (UR)	1000 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

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Technical data**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
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Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity IECEX Certificate EAC certificate EAC EX Certificate CCC Ex Certificate Declaration of Conformity ATEX Certificate Declaration of Conformity all terminals
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	NTI WDU/WPE 35N StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

