

W-Series
WDU 35N

Weidmüller Interface GmbH & Co. KG
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Klippon® Connect with clamping yoke Technology

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

General ordering data

Type	WDU 35N
Order No.	1040400000
Version	Feed-through terminal, Screw connection, 35 mm ² , 500 V, 125 A, Dark Beige
GTIN (EAN)	4008190351816
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
Depth including DIN rail	51 mm	Weight	52 g
Net weight	48.104 g		

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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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 e II	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Screw connection, for screwable cross-connection, closed	Tightening torque (clamping screw for copper conductors)	4...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	Mounting 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, two clampable wires, min.	2.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	6 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	2.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	6 mm ²

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, rated connection, max.	50 mm ²
Clamping range, rated connection, min.	2.5 mm ²	Clamping screw	M 6
Connection direction		Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	2.5 mm ²
	on side	Number of connections	2
Gauge to IEC 60947-1	B8	Tightening torque, max.	5 Nm
Stripping length	18 mm	Type of connection	Screw connection
Tightening torque, min.	4 Nm	Wire connection cross section AWG, min.	AWG 12
Wire connection cross section AWG, max.	AWG 10	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	2.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	35 mm ²	Wire connection cross section, solid core max. rated connection	16 mm ²
Wire connection cross section, finely stranded, max.	35 mm ²	Wire connection cross section, stranded, rated connection, max.	50 mm ²
Wire connection cross section, solid core, min. rated connection	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	35 mm ²
Wire connection cross section, stranded, rated connection, min.	2.5 mm ²		
Wire connection cross-section, finely stranded, min.	2.5 mm ²		

Rating data

Rated cross-section	35 mm ²	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
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
Voltage size C (UR)	1000 V		

Classifications

ETIM 3.0	EC000897	ETIM 4.0	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		

Product information

Descriptive text ordering data	1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-EN partitions.
Descriptive text technical data	1000 V DC rated voltage tested.
Descriptive text accessories	Cross-connections, see section "W series accessories".

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Catalogue status 12.01.2018 / We reserve the right to make technical changes.

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Data sheet**W-Series
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Technical data**Approvals**

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity

[CFAT_WDU 35N.pdf](#)
[IECEXULD14.0005U_e.pdf](#)
[DE_PT1001_20160414_191_ISSUE01.pdf](#)
[ACF-ATEX_4786180920](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

User Documentation

[NTI_IECEX_WDU-WPE 35N.pdf](#)**Safety note**

Safety notice

[Safety Information](#)

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Drawings

