

**W-Series
WDU 35 BL**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
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 Germany
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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 35 BL
Order No.	1020580000
Version	Feed-through terminal, Screw connection, 35 mm ² , 1000 V, 125 A, Blue
GTIN (EAN)	4008190047160
Qty.	40 pc(s).

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Technical data**Dimensions and weights**

Width	16 mm	Width (inches)	0.63 inch
Height	60 mm	Height (inches)	2.362 inch
Depth	62.5 mm	Depth (inches)	2.461 inch
Depth including DIN rail	63 mm	Weight	54.48 g
Net weight	51.78 g		

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C
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Material data

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)	115 A
Wire cross section max. (ATEX)	35 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	115 A	Wire cross section max. (IECEX)	35 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	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, One end without connector	End cover plate required	Yes
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	Yes
PE function	No	PEN function	Yes

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

Cross-section for connected wire, stranded, two clampable wires, min.	16 mm ²	Cross-section for connected wire, stranded, two clampable wires, max.	16 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	2.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	16 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.	16 mm ²

Additional technical data

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

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Technical data**CSA rating data**

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	150 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	12 AWG		

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	on side	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	2.5 mm ²
Gauge to IEC 60947-1	B8	Number of connections	2
Stripping length	18 mm	Tightening torque, max.	5 Nm
Tightening torque, min.	4 Nm	Twin wire-end ferrules, max.	16 mm ²
Twin wire-end ferrules, min.	1.5 mm ²	Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 2	Wire connection cross section AWG, min.	AWG 12
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	35 mm ²	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, max.	35 mm ²	Wire connection cross section, solid core max. rated connection	16 mm ²
Wire connection cross section, solid core, min. rated connection	2.5 mm ²	Wire connection cross section, stranded, rated connection, max.	50 mm ²
Wire connection cross section, stranded, rated connection, min.	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, finely stranded, min.	2.5 mm ²		

Rating data

Rated cross-section	35 mm ²	Rated voltage	1,000 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	8 kV	Pollution severity	3
Surge voltage category	III		

Strap connection

Band 1, No. of layers, max.	9: 9 x 0.8	Band 1, No. of layers, min.	3: 9 x 0.8
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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		

Data sheet

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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	Order No. 1020500000 and 1020580000 (blue) versions without pegs (40 pcs.).
Descriptive text accessories	Cross-connections, socket and test plug, see section "W series accessories".

Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	CFAT_WDU 35.pdf IECEXULD14.0005U_e.pdf CB Test Zertifikat CB Zertifikat DE_PT1001_20160414_180_ISSUE01.pdf ACF-ATEX_4786180920
Brochure/Catalogue	CAT 1 TERM 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	NTL_IECEX_WDU-WPE 35.pdf

Safety note

Safety notice	Safety Information
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Drawings

