

WDU 16/ZA BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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 easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Version	Feed-through terminal, Screw connection, 16 mm ² , 1000 V, 76 A, blue
Order No.	1028980000
Type	WDU 16/ZA BL
GTIN (EAN)	4008190086015
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.461 inch
Height	60 mm	Height (inches)	2.362 inch
Net weight	29.68 g	Weight	31.14 g
Width	11.9 mm	Width (inches)	0.469 inch

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

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)	76 A
Wire cross section max. (ATEX)	16 mm ²	Max. voltage (IECEx)	690 V
Current (IECEx)	76 A	Wire cross section max. (IECEx)	16 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

System specifications

Version	Screw connection, for screwable cross-connection, With assembly peg, One end without connector	End cover plate required	Yes
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	Yes
PE function	No	PEN function	Yes

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

Cross-section for connected wire, solid, two clampable wires, max.	6 mm ²	Cross-section for connected wire, solid, two clampable wires, min.	1.5 mm ²
Cross-section for connected wire, stranded, two clampable wires, max.	6 mm ²	Cross-section for connected wire, stranded, two clampable wires, min.	1.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	6 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	1.5 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	1.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	6 mm ²

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Additional technical data

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

CSA rating data

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	85 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	6 AWG
Wire cross section min. (CSA)	18 AWG		

Conductors for clamping (rated connection)

Blade size	1.0 x 5.5 mm				
Clampable conductor	Connection specification		Screw connection		
	Cross-section for conductor connection	Type	solid, H05(07) V-U		
		min.	1.5 mm ²		
		max.	16 mm ²		
		nominal	16 mm ²		
	wire end ferrule	Stripping length	min.	16 mm	
			max.	16 mm	
			nominal	16 mm	
		Tightening torque	min.	3 Nm	
			max.	4 Nm	
		Recommended wire-end ferrule			
	Connection specification		Screw connection		
	Cross-section for conductor connection	Type	stranded, H07V-R		
		min.	1.5 mm ²		
		max.	25 mm ²		
		nominal	16 mm ²		
	wire end ferrule	Stripping length	min.	16 mm	
			max.	16 mm	
			nominal	16	
		Tightening torque	min.	3 Nm	
			max.	4 Nm	
		Recommended wire-end ferrule			
	Connection specification		Screw connection		
	Cross-section for conductor connection	Type	flexible, H05(07) V-K		
		min.	1.5 mm ²		
		max.	25 mm ²		
		nominal	16 mm ²		
	wire end ferrule	Stripping length	min.	16 mm	
			max.	16 mm	
			nominal	16 mm	
		Tightening torque	min.	3 Nm	
			max.	4 Nm	
		Recommended wire-end ferrule			
Clamping range, max.	25 mm ²				
Clamping range, min.	0.82 mm ²				
Clamping screw	M 5				
Connection cross-section, stranded, max.	25 mm ²				
Connection cross-section, stranded, min.	1.5 mm ²				
Connection direction	on side				

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Gauge to IEC 60947-1	B7
Number of connections	2
Stripping length	16 mm
Tightening torque, max.	4 Nm
Tightening torque, min.	3 Nm
Twin wire-end ferrules, max.	10 mm ²
Twin wire-end ferrules, min.	1.5 mm ²
Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 14
Wire connection cross section, finely stranded, max.	25 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²
Wire connection cross-section, solid core, max.	16 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 14

Rating data

Power loss in accordance with IEC 60947-7-x	2.43 W	Rated cross-section	16 mm ²
Rated voltage	1,000 V	Rated current	76 A
Current at maximum wires	101 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.42 mΩ	Rated impulse withstand voltage	8 kV
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	4 AWG
Conductor size Factory wiring min. (UR)	18 AWG	Conductor size Field wiring max. (UR)	4 AWG
Conductor size Field wiring min. (UR)	18 AWG	Current size C (UR)	85 A
UL_current_Print	85 A	UL_voltage_Print	600 V
UL_wire_max_Print	4 AWG	UL_wire_min_Print	18 AWG
Voltage size C (UR)	600 V		

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Classifications

ETIM 6.0	EC000897	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	IECEX Certificate CB Testreport CB Certificate EAC certificate DNVGL certificate NEMKO certificate Lloyds Register Certificate MARITREG Certificate EAC EX Certificate CCC Ex Certificate Declaration of Conformity ATEX Certificate Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Usage of terminals in EXi atmospheres StorageConditionsTerminalBlocks

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Drawings

