

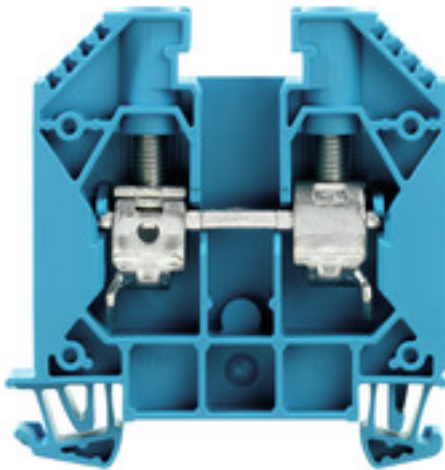
WDU 16 BL**Weidmüller Interface GmbH & Co. KG**

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.	1020480000
Type	WDU 16 BL
GTIN (EAN)	4008190126261
Qty.	50 pc(s).

Creation date December 12, 2020 7:57:17 PM CET

Catalogue status 08.12.2020 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	62.5 mm	Depth (inches)	2.461 inch
Depth including DIN rail	63 mm	Height	60 mm
Height (inches)	2.362 inch	Net weight	29.3 g
Weight	31.2 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	

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, 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

Additional technical data

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

CSA rating data

CSA_current_Print	85 A	CSA_voltage_Print	600 V
CSA_wire_max_Print	6 AWG	CSA_wire_min_Print	18 AWG
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		

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Technical data

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 mm	
	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			
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			

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Technical data

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

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		

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

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

Downloads

Approval/Certificate/Document of Conformity	Attestation of Conformity
	IECEX Certificate
	CB Testreport
	CB Certificate
	EAC certificate
	DNVGL certificate
	NEMKO certificate
	INMETRO certificate
	Lloyds Register Certificate
	MARITREG Certificate
	POLSKIREJ certificate
Brochure/Catalogue	CAT 1 TERM 16/17 EN
	STEP
	EPLAN, WSCAD, Zuken E3.S
	NTI WDU/WPE 16.pdf
Engineering Data	StorageConditionsTerminalBlocks
Engineering Data	
User Documentation	

Data sheet

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Drawings

