

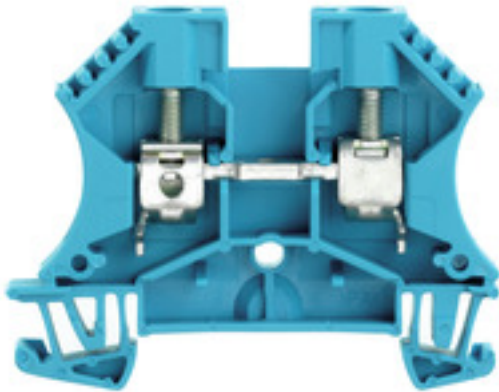
WDU 6 BL**Weidmüller Interface GmbH & Co. KG**

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, 6 mm ² , 800 V, 41 A, blue
Order No.	1020280000
Type	WDU 6 BL
GTIN (EAN)	4008 190100032
Qty.	100 pc(s).

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Technical data

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.831 °C
Depth including DIN rail	47 mm	Height	60 mm
Height (inches)	2.362 °C	Width	7.9 mm
Width (inches)	0.311 °C	Weight	14.8 g
Net weight	12.83 g		

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)	41 A
Wire cross section max. (ATEX)	6 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	41 A	Wire cross section max. (IECEX)	6 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	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, 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	No

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.	2.5 Nm	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 Nm
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 Nm	Wire cross-section, finely stranded, two clampable wires, max.	2.5 Nm

Additional technical data

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

Creation date July 23, 2021 3:12:51 PM CEST

Catalogue status 23.07.2021 / We reserve the right to make technical changes.

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Technical data

CSA rating data

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	50 A
Voltage size C (CSA)	600 V	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	22 AWG		

Conductors for clamping (rated connection)

Blade size	0.8 x 4.0 mm					
Clampable conductor	Connection specification	Cross-section for conductor connection	Screw connection			
			Type	solid, H05(07) V-U		
			min.	0.5 Nm		
			max.	10 Nm		
			nominal	6 Nm		
			wire end ferrule	Stripping length	min.	12 mm
					max.	12 mm
					nominal	12 mm
			Tightening torque	min.	0.8 inch	
	max.	1.6 inch				
	Recommended wire-end ferrule					
	Connection specification	Cross-section for conductor connection	Screw connection			
			Type	stranded, H07V-R		
			min.	1.5 Nm		
			max.	10 Nm		
			nominal	6 Nm		
			wire end ferrule	Stripping length	min.	12 mm
					max.	12 mm
					nominal	12 mm
			Tightening torque	min.	0.8 inch	
	max.	1.6 inch				
	Recommended wire-end ferrule					
	Connection specification	Cross-section for conductor connection	Screw connection			
			Type	flexible, H05(07) V-K		
min.			0.5 Nm			
max.			10 Nm			
nominal			6 Nm			
wire end ferrule			Stripping length	min.	12 mm	
				max.	12 mm	
				nominal	12 mm	
Tightening torque			min.	0.8 inch		
	max.	1.6 inch				
	Recommended wire-end ferrule					
Clamping range, max.	10 Nm					
Clamping range, min.	0.22 Nm					
Clamping screw	M 3.5					
Connection cross-section, stranded, max.	10 Nm					
Connection cross-section, stranded, min.	1.5 Nm					
Connection direction	on side					
Gauge to IEC 60947-1	A5					
Number of connections	2					
Stripping length	12 mm					
Tightening torque, max.	1.6 inch					
Tightening torque, min.	0.8 inch					

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Torque level with DMS electric screwdriver	3
Twin wire-end ferrules, max.	4 Nm
Twin wire-end ferrules, min.	0.5 Nm
Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 8
Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	10 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	6 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	6 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 Nm
Wire connection cross-section, solid core, max.	10 Nm
Wire connection cross-section, solid core, min.	0.5 Nm

General

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 8	Wire connection cross section AWG, min.	AWG 26

Rating data

Rated cross-section	6 Nm	Rated voltage	800 V
Rated current	41 A	Current at maximum wires	57 A
Standards	IEC 60947-7-1	Volume resistance according to IEC 60947-7-x	0.78 °C
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	1.31 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	8 AWG
Conductor size Field wiring min. (UR)	22 AWG	Current size C (UR)	50 A
UL_current_Print	50 A	UL_voltage_Print	600 V
UL_wire_max_Print	8 A / 6 A / 10 A / 13 A / 15 A	UL_wire_min_Print	22 A / 6 A / 10 A / 13 A / 15 A
Voltage size C (UR)	600 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

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 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 6 Usage of terminals in EXi atmospheres StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

Data sheet

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Drawings

