

**WDU 10 BL****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

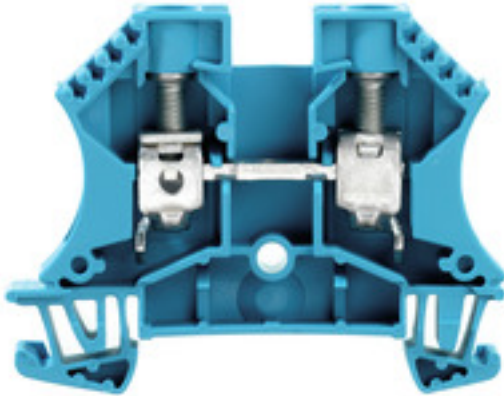
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**Product image**

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

**General ordering data**

Version	Feed-through terminal, Screw connection, 10 mm <sup>2</sup> , 1000 V, 57 A, blue
Order No.	<a href="#">1020380000</a>
Type	WDU 10 BL
GTIN (EAN)	4008190166359
Qty.	50 pc(s).

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## Technical data

## Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.831 inch
Depth including DIN rail	47 mm	Height	60 mm
Height (inches)	2.362 inch	Width	9.9 mm
Width (inches)	0.39 inch	Net weight	17.06 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)	57 A
Wire cross section max. (ATEX)	10 mm <sup>2</sup>	Max. voltage (IECEX)	690 V
Current (IECEX)	57 A	Wire cross section max. (IECEX)	10 mm <sup>2</sup>
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	No

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

Cross-section for connected wire, solid, two clampable wires, max.	6 mm <sup>2</sup>	Cross-section for connected wire, solid, two clampable wires, min.	0.5 mm <sup>2</sup>
Cross-section for connected wire, stranded, two clampable wires, max.	6 mm <sup>2</sup>	Cross-section for connected wire, stranded, two clampable wires, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	6 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	6 mm <sup>2</sup>

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Snap-on

### Additional technical data

Explosion-tested version	Yes	Number of similar terminals	5
Open sides	right	Type of mounting	Snap-on

### CSA rating data

Certificate No. (CSA)	200039-1057876	Current size C (CSA)	65 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 <sup>2</sup>	
			max.	16 mm <sup>2</sup>	
			nominal	10 mm <sup>2</sup>	
	wire end ferrule		Stripping length	min.	12 mm
				max.	12 mm
				nominal	12 mm
			Tightening torque	min.	1.2 Nm
	max.	1.9 Nm			
	Recommended wire-end ferrule				
	Connection specification		Screw connection		
	Cross-section for conductor connection		Type	stranded, H07V-R	
			min.	1.5 mm <sup>2</sup>	
			max.	16 mm <sup>2</sup>	
			nominal	10 mm <sup>2</sup>	
	wire end ferrule		Stripping length	min.	12 mm
				max.	12 mm
				nominal	12 mm
			Tightening torque	min.	1.2 Nm
	max.	1.9 Nm			
	Recommended wire-end ferrule				
	Connection specification		Screw connection		
	Cross-section for conductor connection		Type	flexible, H05(07) V-K	
min.			1.5 mm <sup>2</sup>		
max.			16 mm <sup>2</sup>		
nominal			10 mm <sup>2</sup>		
wire end ferrule		Stripping length	min.	12 mm	
			max.	12 mm	
			nominal	12 mm	
		Tightening torque	min.	1.2 Nm	
max.	1.9 Nm				
Recommended wire-end ferrule					
Clamping range, max.	16 mm <sup>2</sup>				
Clamping range, min.	1.31 mm <sup>2</sup>				
Clamping screw	M 4				
Connection cross-section, stranded, max.	16 mm <sup>2</sup>				
Connection direction	on side				
Gauge to IEC 60947-1	B6				

Creation date July 5, 2023 3:04:50 PM CEST

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**Technical data**

Number of connections	2
Stripping length	12 mm
Tightening torque, max.	1.9 Nm
Tightening torque, min.	1.2 Nm
Torque level with DMS electric screwdriver	4
Twin wire-end ferrules, max.	6 mm <sup>2</sup>
Twin wire-end ferrules, min.	1.5 mm <sup>2</sup>
Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 6
Wire connection cross section AWG, min.	AWG 16
Wire connection cross section, finely stranded, max.	16 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	1.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	16 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	16 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	16 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	1.5 mm <sup>2</sup>

**General**

Rail	TS 35	Standards	IEC 60947-7-1
Wire connection cross section AWG, max.	AWG 6	Wire connection cross section AWG, min.	AWG 16

**Rating data**

Rated cross-section	10 mm <sup>2</sup>	Rated voltage	1,000 V
Rated DC voltage	1,000 V DC	Rated current	57 A
Current at maximum wires	76 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.56 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	1.82 W	Pollution severity	3

**UL rating data**

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	18 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	18 AWG	Current size C (UR)	65 A
Voltage size C (UR)	600 V		

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**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	ECLASS 12.0	27-14-11-20

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURusEX)	E184763

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Attestation of Conformity</a> <a href="#">IECEX Certificate</a> <a href="#">CB Testreport</a> <a href="#">CB Certificate</a> <a href="#">EAC certificate</a> <a href="#">DNVGL certificate</a> <a href="#">NEMKO certificate</a> <a href="#">Lloyds Register Certificate</a> <a href="#">MARITREG Certificate</a> <a href="#">POLSKIREJ certificate</a> <a href="#">EAC EX Certificate</a> <a href="#">CCC Ex Certificate</a> <a href="#">UKCA Ex Certificate</a> <a href="#">CE Declaration of Conformity</a> <a href="#">ATEX Certificate</a> <a href="#">CE Declaration of Conformity all terminals</a> <a href="#">UKCA declaration of conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD, Zuken E3.S, EPLAN</a>
User Documentation	<a href="#">NTI IECEX WDU-WPE 10.pdf</a> <a href="#">Usage of terminals in EXi atmospheres</a> <a href="#">StorageConditionsTerminalBlocks</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

**Data sheet**

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**Drawings**

