

WDU 10/ZR 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 ² , 800 V, 57 A, blue
Order No.	1042480000
Type	WDU 10/ZR BL
GTIN (EAN)	4032248285662
Qty.	50 pc(s).

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Technical data

Dimensions and weights

Depth	49 mm	Depth (inches)	1.929 inch
Depth including DIN rail	49.5 mm	Height	70 mm
Height (inches)	2.756 inch	Width	9.9 mm
Width (inches)	0.39 inch	Net weight	22.394 g

Temperatures

Storage temperature	-25 °C...55 °C	Continuous operating temp., min.	-50 °C
Continuous operating temp., max.	120 °C		

Material data

Material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

System specifications

Version	Screw connection, Additional connection, for screwable cross- connection, in closed state	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	3	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 ²	Cross-section for connected wire, solid, two clampable wires, min.	0.5 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 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	1 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	6 mm ²

Additional technical data

Explosion-tested version	No	Number of similar terminals	1
Open sides	closed	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)	16 AWG		

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6 mm²

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. 4 mm²

Conductor cross-section, flexible, further connection, min. 0.5 mm²

Connection type, additional connection Screw connection

Cross-section for connected wire, AWG, additional connection, min. AWG 26

Cross-section for connected wire, multi-core, further connection, max. 4 mm²

Cross-section for connected wire, solid-core, further connection, max. 6 mm²

Number of connections, additional connection 1

Stripping length , additional connection 10 mm

Tightening torque, additional connection, max. 1 Nm

Conductors for clamping (additional connection)

Blade size, additional connection	0.6 x 3.5 mm
Clamping range, further connection, min.	0.21 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm ²
Connection direction	on side
Cross-section for connected wire, AWG, additional connection, max.	AWG 10
Cross-section for connected wire, flexible, further connection, max.	4 mm ²
Cross-section for connected wire, multi-core, further connection, min.	1.5 mm ²
Cross-section for connected wire, solid-core, further connection, min.	0.5 mm ²
Rated cross-section, further connection	4 mm ²
Terminal screw, additional connection	M 3
Tightening torque, additional connection, min.	0.5 Nm

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm
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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	
	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 ²		
max.		16 mm ²		
nominal		10 mm ²		
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 ²		
	max.	16 mm ²		
	nominal	10 mm ²		
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 ²			
Clamping range, min.	1.31 mm ²			
Clamping screw	M 4			
Connection cross-section, stranded, max.	16 mm ²			
Connection cross-section, stranded, min.	1.5 mm ²			
Connection direction	on side			
Gauge to IEC 60947-1	B6, A4			
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 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 16			
Wire connection cross section, finely stranded, max.	16 mm ²			

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Wire connection cross section, finely stranded, min.	1.5 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

Dimensions

TS 35 offset	32 mm
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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 ²	Rated voltage	800 V
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	Surge voltage category	III

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	6 AWG
Conductor size Factory wiring min. (UR)	16 AWG	Conductor size Field wiring max. (UR)	6 AWG
Conductor size Field wiring min. (UR)	16 AWG	Current size C (UR)	65 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	ECLASS 12.0	27-14-11-20

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Technical data

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	EAC certificate CE Declaration of Conformity CE Declaration of Conformity all terminals UKCA declaration of conformity
Engineering Data	CAD data – STEP
Engineering Data	WSCAD, Zuken E3.S
User Documentation	StorageConditionsTerminalBlocks
Catalogues	Catalogues in PDF-format
Brochures	

Data sheet

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Drawings

