

WDU 10/ZR BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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 block, Screw connection, blue, 10 mm ² , 57 A, 800 V, Number of connections: 2
Order No.	1042480000
Type	WDU 10/ZR BL
GTIN (EAN)	4032248285662
Qty.	50 items

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Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	49 mm	Depth (inches)	1.9291 inch
Depth including DIN rail	49.5 mm	Height	70 mm
Height (inches)	2.7559 inch	Width	9.9 mm
Width (inches)	0.3898 inch	Net weight	22.39 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-50 °C...75 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption		
REACH SVHC	No SVHC above 0.1 wt%		
Product Carbon Footprint	Cradle to gate	0,208 kg CO2 eq.	

Material data

Basic 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
Mounting 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 cross-section, finely stranded, two clampable wires, max.	6 mm ²	Wire connection cross section, finely stranded, two clampable wires, min.	1 mm ²

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Additional technical data

Open sides	closed	Number of similar terminals	1
Explosion-tested version	No	Type of mounting	Snap-on

CSA rating data

Wire cross section max. (CSA)	6 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	65 A	Certificate No. (CSA)	200039-1057876
Wire cross section min. (CSA)	16 AWG		

Conductors for clamping (additional connection)

Terminal screw, additional connection	M 3	Connection direction additional connection	on side
Clamping range, further connection, max.	6 mm ²	Clamping range, further connection, min.	0.21 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	4 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm ²
Conductor cross-section, flexible, further connection, min.	0.5 mm ²	Number of connections, additional connection	1
Rated cross-section, further connection	4 mm ²	Blade size, additional connection	0.6 x 3.5 mm
Cross-section for connected wire, multi-core, further connection, min.	1.5 mm ²	Cross-section for connected wire, multi-core, further connection, max.	4 mm ²
Tightening torque, additional connection, max.	1 Nm	Cross-section for connected wire, AWG, additional connection, min.	AWG 26
Cross-section for connected wire, solid-core, further connection, min.	0.5 mm ²	Cross-section for connected wire, solid-core, further connection, max.	6 mm ²
Connection type, additional connection	Screw connection	Cross-section for connected wire, flexible, further connection, max.	4 mm ²
Cross-section for connected wire, AWG, additional connection, max.	AWG 10	Stripping length, additional connection	10 mm
Tightening torque, additional connection, min.	0.5 Nm		

Conductors for clamping (rated connection)

Gauge to IEC 60947-1	B6, A4
Wire connection cross section AWG, max.	AWG 6
Connection direction	on side
Tightening torque, max.	1.9 Nm
Tightening torque, min.	1.2 Nm
Stripping length	12 mm
Type of connection	Screw connection
Number of connections	2
Clamping range, max.	16 mm ²
Clamping range, min.	1.31 mm ²
Clamping screw	M 4
Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 16
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.	1.31 mm ²

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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.	1.31 mm ²			
Wire connection cross section, finely stranded, max.	16 mm ²			
Wire connection cross section, finely stranded, min.	1.31 mm ²			
Connection cross-section, stranded, max.	16 mm ²			
Connection cross-section, stranded, min.	1.31 mm ²			
Twin wire-end ferrules, max.	6 mm ²			
Twin wire-end ferrules, min.	1.5 mm ²			
Torque level with DMS electric screwdriver	4			
Wire connection cross-section, solid core, max.	16 mm ²			
Wire connection cross-section, solid core, min.	1.31 mm ²			
Connection cross-section, finely stranded, min.	1.31 mm ²			
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	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
	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
	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	

Dimensions

TS 35 offset	32 mm
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General

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

Rating data

Rated cross-section	10 mm ²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal 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	Surge voltage category	III
Pollution severity	3		

UL rating data

Conductor size Factory wiring max. (UR)	6 AWG	Current size C (UR)	65 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	16 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	16 AWG
Conductor size Field wiring max. (UR)	6 AWG		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

Drawings

