

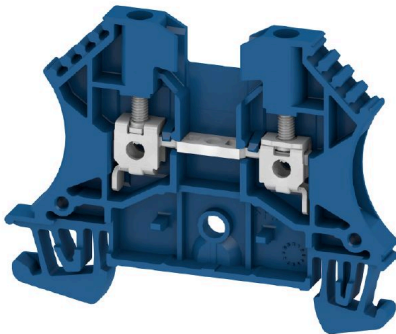
WDU 2.5 BL**Weidmüller Interface GmbH & Co. KG**

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, 2.5 mm ² , 24 A, 800 V, Number of connections: 2
Order No.	1020080000
Type	WDU 2.5 BL
GTIN (EAN)	4008190163235
Qty.	100 items

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Technical data

Approvals

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

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.8307 inch
Height	60 mm	Height (inches)	2.3622 inch
Width	5.1 mm	Width (inches)	0.2008 inch
Net weight	7.43 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption		
REACH SVHC	No SVHC above 0.1 wt%		
Product Carbon Footprint	Cradle to gate	0.085 kg CO2eq.	

Material data

Basic 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)	24 A
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	24 A	Wire cross section max. (IECEX)	2.5 mm ²
Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D

System specifications

Version	Screw connection, for plug-in cross-connector, for screwable cross-	End cover plate required	Yes
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	connection, One end without connector		
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
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.	1.5 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.	1.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm ²
Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm ²	Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²

Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	12 AWG	Voltage size C (CSA)	600 V
Current size C (CSA)	20 A	Certificate No. (CSA)	200039-1057876
Wire cross section min. (CSA)	26 AWG		

Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection
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Conductors for clamping (rated connection)

Gauge to IEC 60947-1	A3
Wire connection cross section AWG, max.	AWG 12
Connection direction	on side
Tightening torque, max.	0.8 Nm
Tightening torque, min.	0.4 Nm
Stripping length	10 mm
Type of connection	Screw connection
Number of connections	2
Clamping range, max.	4 mm ²
Clamping range, min.	0.05 mm ²
Clamping screw	M 2.5
Blade size	0.6 x 3.5 mm
Wire connection cross section AWG, min.	AWG 30
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm ²

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Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross section, finely stranded, min.	0.5 mm ²
Connection cross-section, stranded, max.	4 mm ²
Connection cross-section, stranded, min.	1.5 mm ²
Twin wire-end ferrules, max.	1.5 mm ²
Twin wire-end ferrules, min.	0.5 mm ²
Torque level with DMS electric screwdriver	1
Wire connection cross-section, solid core, max.	4 mm ²
Wire connection cross-section, solid core, min.	0.5 mm ²

Clampable conductor	Connection specification	Screw connection	
	Cross-section for conductor connection	Type	solid, H05(07) V-U
min.		0.5 mm ²	
max.		4 mm ²	
nominal		2.5 mm ²	
wire end ferrule	Stripping length	min.	10 mm
		max.	10 mm
		nominal	10 mm
	Tightening torque	min.	0.4 Nm
max.	0.8 Nm		
Clampable conductor	Connection specification	Screw connection	
	Cross-section for conductor connection	Type	stranded, H07V-R
min.		1.5 mm ²	
max.		4 mm ²	
nominal		2.5 mm ²	
wire end ferrule	Stripping length	min.	10 mm
		max.	10 mm
		nominal	10 mm
	Tightening torque	min.	0.4 Nm
max.	0.8 Nm		
Clampable conductor	Connection specification	Screw connection	
	Cross-section for conductor connection	Type	flexible, H05(07) V-K
min.		0.5 mm ²	
max.		2.5 mm ²	
nominal		2.5 mm ²	
wire end ferrule	Stripping length	min.	10 mm
		max.	10 mm
		nominal	10 mm
	Tightening torque	min.	0.4 Nm
max.	0.8 Nm		

General

Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 30
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated DC voltage	800 V	Nominal current	24 A

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Current at maximum wires	32 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	1.33 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	0.77 W	Pollution severity	3

UL rating data

Voltage size B (UR)	600 V	Current size B (UR)	25 A
Conductor size Factory wiring max. (UR)	12 AWG	Current size C (UR)	25 A
Voltage size C (UR)	600 V	Conductor size Factory wiring min. (UR)	30 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	28 AWG
Conductor size Field wiring max. (UR)	12 AWG		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	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
ECLASS 13.0	27-25-01-01	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

