

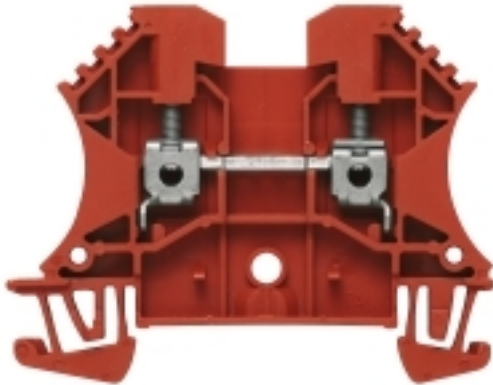
WDU 2.5 RT**Weidmüller Interface GmbH & Co. KG**

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, Screw connection, 2.5 mm ² , 800 V, 24 A, red
Order No.	1020040000
Type	WDU 2.5 RT
GTIN (EAN)	4008190143015
Qty.	100 pc(s).

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Catalogue status 24.11.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	46.5 mm	Depth (inches)	1.831 inch
Height	60 mm	Height (inches)	2.362 inch
Width	5.1 mm	Width (inches)	0.201 inch
Net weight	7.47 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	red
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
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 plug-in cross-connector, 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	No
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 connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	1.5 mm ²

Additional technical data

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

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Technical data

CSA rating data

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

Conductors for clamping (rated connection)

Blade size	0.6 x 3.5 mm				
Clampable conductor	Connection specification	Cross-section for conductor connection	Screw 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	
	Recommended wire-end ferrule				
	Connection specification	Cross-section for conductor connection	Screw 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	
	Recommended wire-end ferrule				
	Connection specification	Cross-section for conductor connection	Screw 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		
	Recommended wire-end ferrule				
Clamping range, max.	4 mm ²				
Clamping range, min.	0.05 mm ²				
Clamping screw	M 2.5				
Connection cross-section, stranded, max.	4 mm ²				
Connection cross-section, stranded, min.	1.5 mm ²				
Connection direction	on side				
Gauge to IEC 60947-1	A3				
Number of connections	2				
Stripping length	10 mm				
Tightening torque, max.	0.8 Nm				
Tightening torque, min.	0.4 Nm				

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