

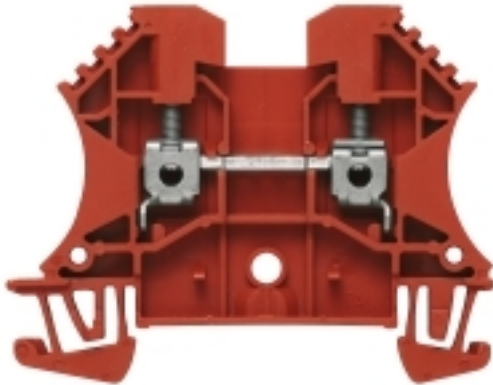
**WDU 2.5 RT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image****Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

Version	Feed-through terminal, Screw connection, 2.5 mm <sup>2</sup> , 800 V, 24 A, red
Order No.	<a href="#">1020040000</a>
Type	WDU 2.5 RT
GTIN (EAN)	4008190143015
Qty.	100 pc(s).

Creation date May 20, 2021 12:07:12 AM CEST

Catalogue status 07.05.2021 / 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
Net weight	7.47 g	Weight	8.62 g
Width	5.1 mm	Width (inches)	0.201 inch

## 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 <sup>2</sup>	Max. voltage (IECEX)	690 V
Current (IECEX)	24 A	Wire cross section max. (IECEX)	2.5 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 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 <sup>2</sup>	Cross-section for connected wire, solid, 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.	1.5 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.	1.5 mm <sup>2</sup>

## Additional technical data

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

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### 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	Screw connection			
		Cross-section for conductor connection			
		Type	solid, H05(07) V-U		
		min.	0.5 mm <sup>2</sup>		
		max.	4 mm <sup>2</sup>		
		nominal	2.5 mm <sup>2</sup>		
		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	Screw connection			
		Cross-section for conductor connection			
		Type	stranded, H07V-R		
		min.	1.5 mm <sup>2</sup>		
		max.	4 mm <sup>2</sup>		
		nominal	2.5 mm <sup>2</sup>		
		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	Screw connection				
	Cross-section for conductor connection				
	Type	flexible, H05(07) V-K			
	min.	0.5 mm <sup>2</sup>			
	max.	2.5 mm <sup>2</sup>			
	nominal	2.5 mm <sup>2</sup>			
	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 <sup>2</sup>				
Clamping range, min.	0.05 mm <sup>2</sup>				
Clamping screw	M 2.5				
Connection cross-section, stranded, max.	4 mm <sup>2</sup>				
Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>				
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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## Technical data

Torque level with DMS electric screwdriver	1
Twin wire-end ferrules, max.	1.5 mm <sup>2</sup>
Twin wire-end ferrules, min.	0.5 mm <sup>2</sup>
Type of connection	Screw connection
Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 30
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>
Wire connection cross-section, solid core, max.	4 mm <sup>2</sup>
Wire connection cross-section, solid core, min.	0.5 mm <sup>2</sup>

## General

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

## Rating data

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	800 V
Rated current	24 A	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

UL_current_Print	25 A	UL_voltage_Print	600 V
UL_wire_max_Print	12 AWG	UL_wire_min_Print	30 AWG

## Classifications

ETIM 6.0	EC000897	ETIM 7.0	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

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## Technical data

### Approvals

Approvals



ROHS Conform

### 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="#">INMETRO 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="#">Declaration of Conformity</a> <a href="#">ATEX Certificate</a> <a href="#">Declaration of Conformity all terminals</a>
Engineering Data	<a href="#">STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
User Documentation	<a href="#">NTI WDU/WPE 2.5.pdf</a> <a href="#">StorageConditionsTerminalBlocks</a>
Brochure/Catalogue	<a href="#">Catalogues in PDF-format</a>

**Data sheet**

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**Drawings**

