

**W-Series
WDU 2.5 RT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

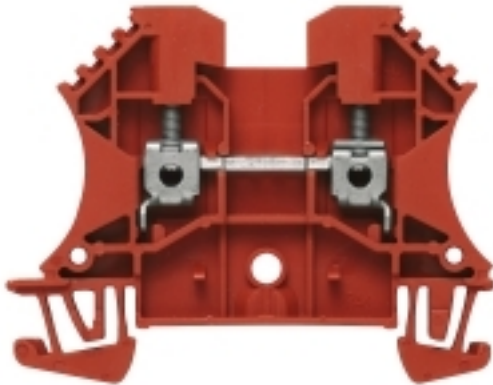
D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

**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

Type	WDU 2.5 RT
Order No.	1020040000
Version	Feed-through terminal, Screw connection, 2.5 mm², 800 V, 24 A, Red
GTIN (EAN)	4008190143015
Qty.	100 pc(s).

W-Series
WDU 2.5 RT
Weidmüller Interface GmbH & Co. KG

 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data
Dimensions and weights

Width	5.1 mm	Width (inches)	0.201 inch
Height	60 mm	Height (inches)	2.362 inch
Depth	46.5 mm	Depth (inches)	1.831 inch
Weight	8.62 g	Net weight	7.47 g

Temperatures

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 e II

System specifications

Version	Screw connection, for plug-in cross-connector, for screwable cross-connection, One end without connector	Tightening torque (clamping screw for aluminium conductors)	
			0.4 Nm
Tightening torque (clamping screw for copper conductors)	0.4...0.8 Nm	End cover plate required	Yes
Number of potentials	1	Number of levels	1
No. 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	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, min.	0.5 mm ²	Cross-section for connected wire, solid, two clampable wires, max.	1.5 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
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 with wire-end ferrules DIN 46228/1, 2 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

W-Series
WDU 2.5 RT

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

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	Clamping range, rated connection, max.	4 mm ²
Clamping range, rated connection, min.	0.05 mm ²	Clamping screw	M 2.5
Connection direction		Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²
	on side	Number of connections	2
Gauge to IEC 60947-1	A3	Tightening torque, max.	0.8 Nm
Stripping length	10 mm	Torque level with DMS electric screwdriver	1
Tightening torque, min.	0.4 Nm	Twin wire-end ferrules, min.	0.5 mm ²
Twin wire-end ferrules, max.	1.5 mm ²	Wire connection cross section AWG, max.	AWG 12
Type of connection	Screw connection	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section, finely stranded, max.	4 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, solid core, min. rated connection	0.5 mm ²
Wire connection cross section, solid core max. rated connection	4 mm ²	Wire connection cross section, stranded, rated connection, min.	1.5 mm ²
Wire connection cross section, stranded, rated connection, max.	4 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	2.5 mm ²		

Rating data

Rated cross-section	2.5 mm ²	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	Pollution severity	3

Classifications

ETIM 3.0	EC000897	ETIM 4.0	EC000897
ETIM 5.0	EC000897	ETIM 6.0	EC000897
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-20
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20
eClass 8.1	27-14-11-20	eClass 9.0	27-14-11-20
eClass 9.1	27-14-11-20		

Product information

Descriptive text ordering data	Rated voltage 400V when using cross-connection ZQV. See section "W-series accessories" for colours available.
Descriptive text technical data	2.5 mm ² conductor with wire end ferrule plus plastic collar only with collar optimised for diameter (order No. 1333100000, 500 pcs)
Descriptive text accessories	Ensure 2.5 mm ² max. when using the WQB. Only 400 V when using the shielding rail LS 2.8 1056400000.

Creation date January 15, 2018 11:18:29 AM CET

W-Series WDU 2.5 RT

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	CFAT_WDU 2.5.pdf IECEXULD14.0005U_e.pdf CB Test Zertifikat CB Zertifikat DE_PT1001_20160414_163_ISSUE01.pdf ACF-ATEX_4786180920
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	NTI_IECEX_WDU-WPE 2.5.pdf

Safety note

Safety notice [Safety Information](#)

W-Series WDU 2.5 RT

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

