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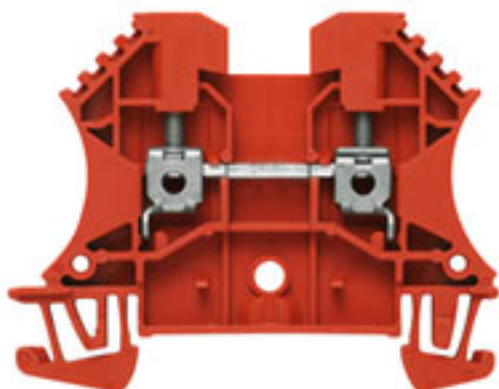
For any questions, you can email us directly:

sales@integrated-circuit.com

Datasheet

**W-series terminal with clamping yoke connection
 WDU 2.5 RT**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-2083
 www.weidmueller.com



The versatile and extensive range of products - from 0.05 mm² to 300 mm² - means that you have diverse options for your applications at your disposal.

Hardened steel for mechanical strength and high-quality tinned copper for optimum conductivity. All materials comply with RoHS requirements and have been tested to current environment guidelines.

General ordering data

Order No.	1020040000
Type	WDU 2.5 RT
Version	W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 2.5 mm ² , Screw connection, Direct mounting
EAN	4008190143015
Qty.	100 pc(s).

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Technical data

Dimensions

Length	60 mm	Width	5.1 mm
Height	46.5 mm	Height of lowest version	47 mm
Weight	8.62 g		

Temperatures

Operating temperature	-50 °C...+120 °C	Storage temperature	
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CSA ratings data

Certificate No. (CSA)	200039-1057876	Voltage size B (CSA)	30 V
Voltage size C (CSA)	600 V	Voltage size D (CSA)	30 V
Current size B (CSA)	10 A	Current size C (CSA)	20 A
Current size D (CSA)	10 A	Wire cross section max. (CSA)	12 AWG
Wire cross section min. (CSA)	26 AWG		

UL ratings data

Certificate No. (UR)	E60693VOL1SEC38	Voltage size C (UR)	600 V
Current size C (UR)	25 A	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	30 AWG	Conductor size Field wiring max. (UR)	12 AWG

IECEX/ATEX rating data

Certificate No. (ATEX)	KEMA98ATEX1683U	ATEX certificate	KEMA98ATEX1683U_d.pdf
ATEX certificate	KEMA98ATEX1683U_e.pdf	Certificate No. (IECEX)	IECEXULD05.0008U
IEC Ex certificate	IECEXULD05.0008U_e.pdf	max. voltage	550 V
Current (ATEX)	21 A	Wire cross section max. (ATEX)	2.5 mm ²
max. voltage	550 V	Current (IECEX)	20 A
Wire cross section max. (IECEX)	2.5 mm ²	Voltage, cross-connection	CrossConnectionGuide.pdf
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	Ex e II

Material data

Material	Wemid	Colour	red
Flammability class UL 94	V-0		

System specifications

Product family	W-series terminal with clamping yoke connection	Type of connection	Screw connection
Connection direction	on side	Number of levels	1
Number of connections	2	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes		

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Technical data

2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)

Conductor cross-section, flexible, 2 clampable conductor, min.	0.5 mm ²	Conductor cross-section, flexible, 2 clampable conductor, max.	1.5 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, 2 clampable conductor, min.	0.5 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, 2 clampable conductor, max.	1.5 mm ²

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of identical terminals	1	Open sides	right
Type of mounting	Snap-on	Version	Double terminal

Conductors for clamping (rated connection)

Type of connection	Screw connection	Stripping length	10 mm
Blade size	0.6 x 3.5 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	0.05 mm ²
Clamping range, rated connection, max.	4 mm ²	Clamping screw	M 2.5
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.8 Nm
Torque setting with DMS electric screwdriver 1		Gauge to IEC 60947-1	A3
Conductor cross-section, solid, min.	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, max.	4 mm ²	Conductor cross-section, flexible, min.	0.5 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, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	2.5 mm ²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, 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
Twin wire-end ferrules, min.	0.5 mm ²	Twin wire-end ferrules, max.	1.5 mm ²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 12

Rating data

Rated cross-section	2.5 mm ²	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	24 A
Current at maximum wires	32 A	Standards	IEC 60947-7-1
Pollution severity	3		

Classifications

ETIM 2.0	EC000897	ETIM 3.0	EC000897
ETIM 4.0	EC000897	UNSPSC	30-21-18-11
eClass 4.1	27-14-11-20	eClass 5.1	27-14-11-20
eClass 6.0	27-14-11-20		

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Approvals

Approvals	BURVER; CE; CSA; CSAEX; CURUSEX; DETNORVER; GERMLLOYD; GOSTEX; GOSTME25; IECEXULD; KEMAATEX; KEMAKEUR; LLOYDSREG; MARITREG; NEMKO; RINA; UR
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Product notes

Note, ordering data	Rated voltage 400V when using cross-connection ZQV. See section "W-series accessories" for colours available.
Note, 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)
Note, accessories	Socket and test plug, see section "W Series accessories". Ensure 2.5 mm ² max. when using the WQB. Only 400 V when using the shielding rail LS 2,8 1056400000.

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Drawings

