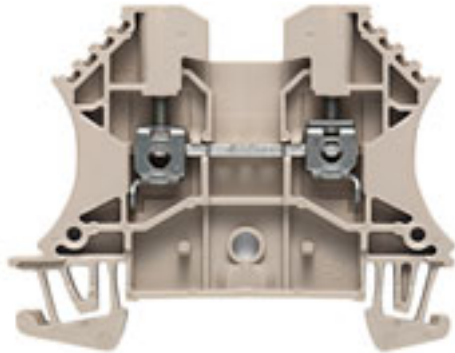


**W-series terminal with clamping yoke connection  
WDU 2.5**

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 mm<sup>2</sup> to 300 mm<sup>2</sup> - 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.	<a href="#">1020000000</a>
Part designation	WDU 2.5
Version	W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection, Direct mounting
GTIN (EAN)	4008190099633
Qty.	100 pc(s).

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**Technical data**

**Dimensions**

Length	60 mm	Width	5.1 mm
Height	47 mm	Weight	8.03 g

**Temperature**

Ambient temperature (operational)	-50 °C...+120 °C	Storage temperature	
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**CSA ratings data**

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

**UL ratings data**

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

**IECEX/ATEX rating data**

Certificate no.	KEMA98ATEX1683U	ATEX certificate	KEMA98ATEX1683U_d.pdf
ATEX certificate	KEMA98ATEX1683U_e.pdf	Certificate no.	IECEXULD05.0008U
IEC Ex certificate	IECEXULD05.0008U_e.pdf	max. voltage	550 V
Current (ATEX)	21 A	Conductor cross-section, max.	2.5 mm <sup>2</sup>
max. voltage	550 V	Current (IECEX)	20 A
Conductor cross-section, max.	2.5 mm <sup>2</sup>	Voltage when using cross-connections	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	beige
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
No. of connections	2	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes		

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

Conductor cross-section, solid, 2 clampable conductor	0.5 mm <sup>2</sup>	Solid, max.	1.5 mm <sup>2</sup>
Flexible, min.	0.5 mm <sup>2</sup>	Flexible, max.	1.5 mm <sup>2</sup>
Conductor cross-section, flexible plus plastic collar DIN 46228/1, 2 clampable conductor, min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, 2 clampable conductor, max.	1.5 mm <sup>2</sup>

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**Technical data**

**Additional technical data**

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

**Conductors for clamping (additional connection)**

Rated current	24 A	Type of connection	Screw connection
Clamping screw	M 2.5	Blade size	0.6 x 3.5 mm
Tightening torque, max.	0.8 Nm	Tightening torque, min.	0.4 Nm
Conductor connection cross-section AWG, min.	AWG 30	Conductor connection cross-section AWG, max.	AWG 12

**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
No. of connections	2	Clamping range, min.	0.05 mm <sup>2</sup>
Clamping range, max.	4 mm <sup>2</sup>	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 <sup>2</sup>	Conductor cross-section, solid, max.	4 mm <sup>2</sup>
Stranded, min.	1.5 mm <sup>2</sup>	Stranded, max.	4 mm <sup>2</sup>
Conductor cross-section, flexible, max.	4 mm <sup>2</sup>	Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>
Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, max.	2.5 mm <sup>2</sup>	Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>
Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, max.	2.5 mm <sup>2</sup>	Twin wire-end ferrule, min.	0.5 mm <sup>2</sup>
Twin wire-end ferrule, max.	1.5 mm <sup>2</sup>	Conductor connection cross-section AWG, min.	AWG 30
Conductor connection cross-section AWG, max.	AWG 12		

**Rating data**

Rated cross-section	2.5 mm <sup>2</sup>	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	24 A
Current with max. conductor	32 A	Standards	IEC 60947-7-1
Pollution severity	3		

**Approvals**

Approvals institutes	BURVER; CSA; CSAEX; CURUSEX; DETNORVER; GERMLLOYD; GOSTEX; GOSTME25; IECEXULD; KEMAATEX; KEMAKEUR; LLOYDSREG; MARITREG; NEMKO; RINA; UR; CE
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**Classifications**

ETIM 2.0	EC000897	ETIM 3.0	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

Creation date December 28, 2010 3:12:30 PM CET

Last update 25.10.2010 / We reserve the right to make technical changes.

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**Technical data****Product notes**

Note, ordering data	Rated voltage 400V when using cross-connection ZQV. See section "W-series accessories" for colours available.
Note, accessories	Socket and test plug, see section "W Series accessories". Ensure 2.5 mm <sup>2</sup> max. when using the WQB. Only 400 V when using the shielding rail LS 2,8 1056400000.
Product description	<p>Identical profiles from 2.5 to 10 mm<sup>2</sup> with uniform end and partition plates. An unsurpassed combination of many advantages!</p> <p>Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.</p>

**Downloads**

DXF	<a href="#">09252_WDU_2.5_DXF.dxf</a>
STEP	<a href="#">1020000000_09252_WDU_2.5_STP.stp</a>
<a href="#">3D model</a>	

**Datasheet**

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**Drawings**

