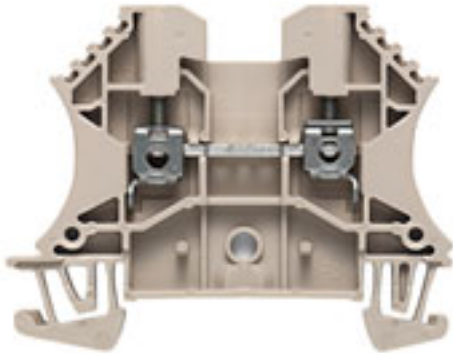


W-series terminal with clamping yoke connection WDU 2.5

Weidmüller Interface GmbH & Co. KG
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Germany
Fon: +49 5231 14-0
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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.	1020000000
Part designation	WDU 2.5
Version	W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 2.5 mm ² , Screw connection, Wemid, dark beige
GTIN (EAN)	4008190099633
Qty.	100 pc(s).

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Technical data

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 ²
max. voltage	550 V	Current (IECEX)	20 A
Conductor cross-section, max.	2.5 mm ²	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

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

Conductor cross-section, solid, 2 clampable conductor	0.5 mm ²	Solid, max.	1.5 mm ²
Flexible, min.	0.5 mm ²	Flexible, 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

Colour of insulating material	dark beige	Connection direction	on side
End cover plate required	Yes	Explosion-tested version	Yes
Flammability class UL 94	V-0	Insulating material	Wemid
Levels cross-connected internally	No	No. of clamping points per level	2
Number of identical terminals	1	Number of levels	1
Open sides	right	Operating temperature range, max.	120 °C
Operating temperature range, min.	-50 °C	Product family	W-series terminal with clamping yoke connection
Type of connection	Screw connection	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

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Conductors for clamping (rated connection)

Clamping range, min.	0.05 mm ²	Clamping range, max.	4 mm ²
Type of connection	Screw connection	Connection direction	on side
No. of connections	2	Stripping length	10 mm
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
Torque setting with DMS electric screwdriver 1		Gauge to IEC 60947-1	A3
Conductor cross-section, solid, min.	0.5 mm ²	Conductor cross-section, solid, max.	4 mm ²
Stranded, min.	1.5 mm ²	Stranded, max.	4 mm ²
Conductor cross-section, flexible, max.	4 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, min.	0.5 mm ²
Conductor cross-section, flexible plus plastic collar DIN 46228/1, rated connection, max.	2.5 mm ²	Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, min.	0.5 mm ²
Conductor cross-section, flexible AEH plus plastic collar DIN 46228/4, rated connection, max.	2.5 mm ²	Twin wire-end ferrule, min.	0.5 mm ²
Twin wire-end ferrule, max.	1.5 mm ²	Conductor connection cross-section AWG, min.	AWG 30
Conductor 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
Standards	IEC 60947-7-1	Current with max. conductor	32 A
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
eClass 5.1	27-14-11-20	eClass 6.0	27-14-11-20

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 ² max. when using the WQB. Shielding rail LS 2.8 1056400000.
Product description	Identical profiles from 2.5 to 10 mm ² with uniform end and partition plates. An unsurpassed combination of many advantages! Their small size compared to the respective rated cross-section makes the modular terminals with the compact design very popular.

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Technical data

Downloads

DXF	09252_WDU_2.5_DXF.dxf
STEP	1020000000_09252_WDU_2.5_STP.stp
3D model	

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Drawings

