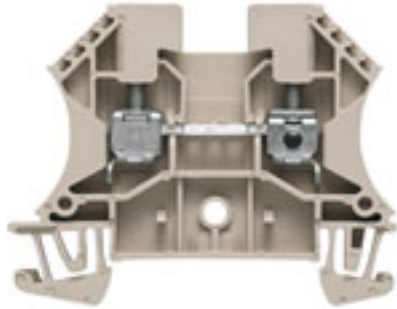


**W-series terminal with clamping yoke connection
WDU 4**

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.	1020100000
Part designation	WDU 4
Version	W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 4 mm ² , Screw connection, Direct mounting
GTIN (EAN)	4008190150617
Qty.	100 pc(s).

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Technical data

Dimensions

Length	60 mm	Width	6.1 mm
Height	47 mm	Weight	10.4 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 B (CSA)	35 A	Current size C (CSA)	35 A
Conductor cross-section, max.	10 AWG	Conductor cross-section, min.	26 AWG

UL ratings data

Certificate no.	E60693VOL1SEC38	Voltage size C	600 V
Current size C (UR)	35 A	Conductor size Factory wiring, max	10 AWG
Conductor size Factory wiring, min	26 AWG	Conductor size Field wiring, max	10 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	690 V
Current (ATEX)	28 A	Conductor cross-section, max.	4 mm ²
max. voltage	690 V	Current (IECEX)	28 A
Conductor cross-section, max.	4 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

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 ²	Solid, max.	2.5 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

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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	32 A	Type of connection	Screw connection
Clamping screw	M 3	Blade size	0.6 x 3.5 mm
Tightening torque, max.	1 Nm	Tightening torque, min.	0.5 Nm
Conductor connection cross-section AWG, min.	AWG 26	Conductor connection cross-section AWG, max.	AWG 10

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.	0.13 mm ²
Clamping range, max.	6 mm ²	Clamping screw	M 3
Tightening torque, min.	0.5 Nm	Tightening torque, max.	1 Nm
Torque setting with DMS electric screwdriver	2	Gauge to IEC 60947-1	A4
Conductor cross-section, solid, min.	0.5 mm ²	Conductor cross-section, solid, max.	6 mm ²
Stranded, min.	1.5 mm ²	Stranded, max.	6 mm ²
Conductor cross-section, flexible, max.	6 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.	4 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.	4 mm ²	Twin wire-end ferrule, min.	0.5 mm ²
Twin wire-end ferrule, max.	2.5 mm ²	Conductor connection cross-section AWG, min.	AWG 26
Conductor connection cross-section AWG, max.	AWG 10		

Rating data

Rated cross-section	4 mm ²	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	32 A
Current with max. conductor	41 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	EC27141120

Creation date December 28, 2010 3:12:45 PM CET

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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 refer to W-series Accessories section Only 400 V when using the 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.
Product description	

Downloads

DXF	09253_WDU_4_DXF.dxf
STEP	1020100000_09253_WDU_4_STP.stp
3D model	

Datasheet

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Drawings

