

**W-series terminal with clamping yoke connection  
WDU 1.5/ZZ**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
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 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="#">1031400000</a>
Type	WDU 1.5/ZZ
Version	W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 1.5 mm <sup>2</sup> , Screw connection, Direct mounting
EAN	4008190148546
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	8.6 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)	300 V	Voltage size D (CSA)	30 V
Current size B (CSA)	10 A	Current size C (CSA)	10 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)	300 V
Current size C (UR)	25 A	Conductor size Factory wiring max. (UR)	12 AWG
Conductor size Factory wiring min. (UR)	26 AWG	Conductor size Field wiring max. (UR)	12 AWG

**IECEX/ATEX rating data**

Certificate No. (ATEX)	KEMA98ATEX1685U	ATEX certificate	KEMA98ATEX1685U_d.pdf
ATEX certificate	KEMA98ATEX1685U_e.pdf	Certificate No. (IECEX)	IECEXULD05.0008U
IEC Ex certificate	IECEXULD05.0008U_e.pdf	max. voltage	550 V
Current (ATEX)	15 A	Wire cross section max. (ATEX)	1.5 mm <sup>2</sup>
max. voltage	550 V	Current (IECEX)	15 A
Wire cross section max. (IECEX)	1.5 mm <sup>2</sup>	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	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
Number of connections	4	No. of clamping points per level	4
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 <sup>2</sup>	Conductor cross-section, flexible, 2 clampable conductor, max.	1 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.	0.75 mm <sup>2</sup>

**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 (additional connection)**

Rated cross-section, further connection	1.5 mm <sup>2</sup>	Connection direction	on side
Number of connections, additional connection	2	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm <sup>2</sup>
Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	1.5 mm <sup>2</sup>		

**Conductors for clamping (rated connection)**

Type of connection	Screw connection	Stripping length	7 mm
Blade size	0.6 x 3.5 mm	Connection direction	on side
Number of connections	4	Clamping range, rated connection, min.	0.13 mm <sup>2</sup>
Clamping range, rated connection, max.	2.5 mm <sup>2</sup>	Clamping screw	M 2.5
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.6 Nm
Torque setting with DMS electric screwdriver 1		Gauge to IEC 60947-1	A1
Conductor cross-section, solid, min.	0.5 mm <sup>2</sup>	Wire connection cross section, solid core max. rated connection	2.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, max.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	1.5 mm <sup>2</sup>	Conductor cross-section, flexible, min.	0.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	1.5 mm <sup>2</sup>
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	1.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 14

**Other connections**

Number of connections, additional connection	2
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**Rating data**

Rated cross-section	1.5 mm <sup>2</sup>	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	17.5 A
Current at maximum wires	23 A	Standards	IEC 60947-7-1
Pollution severity	3		

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## Technical data

### 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		

### Approvals

Approvals	CE; CSA; GERMLLOYD; GOSTME25; IECEXULD; KEMAATEX; KEMAKEUR; LLOYDSREG; MARITREG; UR
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### Product notes

Note, technical data	Note the max. current of the terminal (23 A) when using the WQV cross-connector!
Note, accessories	Socket and test plug, see section "W-series accessories"

### Downloads

STEP	<a href="#">1031400000_18848_WDU_1.5-ZZ_STP.stp</a>
<a href="#">3D model</a>	

**Datasheet**

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**Drawings**

