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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

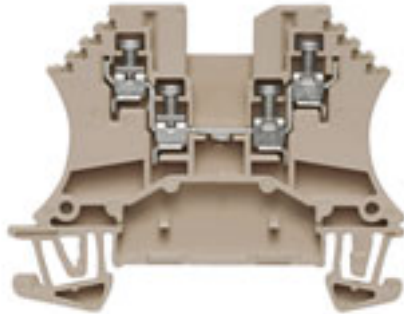
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**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  
 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="#">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**

