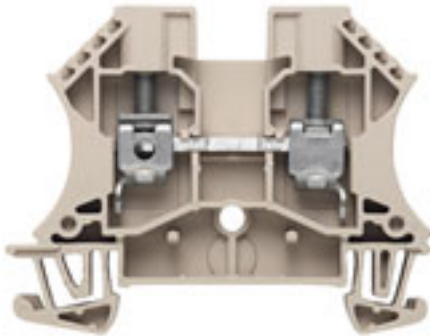


**W-series terminal with clamping yoke connection
WDU 6**

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.	1020200000
Type	WDU 6
Version	W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 6 mm ² , Screw connection, Direct mounting
GTIN (EAN)	4008190163440
Qty.	100 pc(s).

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Technical data

Dimensions

Length	60 mm	Width	7.9 mm
Height	46.5 mm	Height of lowest version	47 mm
Weight	14.8 g		

Temperatures

Operating temperature	Storage temperature
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Rated data IECEx/ATEX

Certificate No. (ATEX)	KEMA98ATEX1683U	ATEX certificate	KEMA98ATEX1683U_d.pdf
ATEX certificate	KEMA98ATEX1683U_e.pdf	IEC Ex certificate	IECExULD05.0008U_e.pdf
max. voltage	690 V	Current (ATEX)	36 A
Wire cross section max. (ATEX)	6 mm ²	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	
Marking ATEX Directive 94/9/EC	II 2 G D		Ex e II

2 clampable wires (H05V/H07V) same cross-section (rated connection)

Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	2.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	0.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	2.5 mm ²

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	right
Type of mounting	Snap-on	Version	Double terminal

CSA ratings data

Certificate No. (CSA)	200039-1057876	Voltage size C (CSA)	600 V
Current size C (CSA)	50 A	Wire cross section max. (CSA)	8 AWG
Wire cross section min. (CSA)	22 AWG		

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Technical data

Clampable wires (rated connection)

Type of connection	Screw connection	Stripping length	12 mm
Blade size	4.0 x 0.8 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	0.22 mm ²
Clamping range, rated connection, max.	10 mm ²	Clamping screw	M 3.5
Tightening torque, min.	0.8 Nm	Tightening torque, max.	1.6 Nm
Torque level with DMS electric screwdriver	3	Gauge to IEC 60947-1	A5
Wire connection cross section, solid core, max. rated connection	0.5 mm ²	Wire connection cross section, solid core max. rated connection	10 mm ²
Wire connection cross section, stranded, rated connection, min.	1.5 mm ²	Wire connection cross section, stranded, rated connection, max.	10 mm ²
Wire connection cross section, finely stranded, max.	10 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	0.5 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	6 mm ²
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	6 mm ²
Twin wire-end ferrules, min.	0.5 mm ²	Twin wire-end ferrules, max.	4 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 8

Rated data

Rated cross-section	6 mm ²	Rated voltage	800 V
Rated impulse withstand voltage	8 kV	Rated current	41 A
Current at maximum wires	57 A	Standards	IEC 60947-7-1
Pollution severity	3		

UL ratings data

Certificate No. (UR)	E60693VOL1SEC38	Voltage size C (UR)	600 V
Current size C (UR)	50 A	Conductor size Factory wiring max. (UR)	8 AWG
Conductor size Factory wiring min. (UR)	22 AWG	Conductor size Field wiring max. (UR)	8 AWG

Material data

Material	Wemid	Colour	dark 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	2	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	Yes		

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	EC27141120		

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Technical data**Approvals**

Approvals	BURVER; CE; CSA; CSAEX; CURUSEX; DETNORVER; GERMLLOYD; GOSTEX; GOSTME25; IECEXULD; KEMAATEX; KEMAKEUR; LLOYDSREG; MARITREG; NEMKO; UR; ROHS
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Product information

Note, ordering data	1000 V DC rated voltage tested. For colour variants, refer to the section on W-series accessories, specific functions.
Note, technical data	Note max. current of terminal (57 A) when using WQV! Conductor connection H07V-..10 and AWG 8 tighten with 1.4-1.6 Nm.
Note, accessories	Socket and test plug refer to W-series Accessories section Only 400 V when using the shielding rail LS 2,8 1056400000.

Downloads

STEP	1020200000_09254_WDU_6_STP.stp
3D model	

Datasheet

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Drawings

