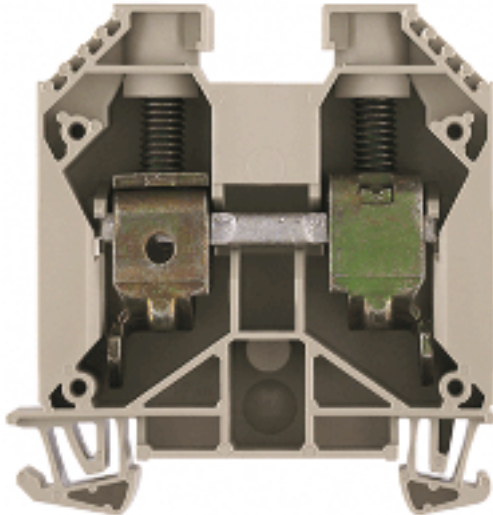


**W-series terminal with clamping yoke connection  
WDU 35**

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="#">1020500000</a>
Type	WDU 35
Version	W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 35 mm <sup>2</sup> , Screw connection, Direct mounting
GTIN (EAN)	4008190077013
Qty.	40 pc(s).

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**Technical data**

**Dimensions**

Length	60 mm	Width	16 mm
Height	62.5 mm	Height of lowest version	63 mm
Weight	54 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)	109 A
Wire cross section max. (ATEX)	35 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	
Marking ATEX Directive 94/9/EC	II 2 G D		Ex e II

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

Cross-section for connected wire, stranded, two clampable wires, min.	16 mm <sup>2</sup>	Cross-section for connected wire, stranded, two clampable wires, max.	16 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	2.5 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	16 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	2.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	16 mm <sup>2</sup>

**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)	200039-1352963	Voltage size C (CSA)	1000 V
Current size C (CSA)	150 A	Wire cross section min. (CSA)	12 AWG

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**Technical data**

**Clampable wires (rated connection)**

Type of connection	Screw connection	Stripping length	18 mm
Blade size	6.5 x 1.2 mm	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	2.5 mm <sup>2</sup>
Clamping range, rated connection, max.	50 mm <sup>2</sup>	Clamping screw	M 6
Tightening torque, min.	4 Nm	Tightening torque, max.	5 Nm
Gauge to IEC 60947-1	B8	Wire connection cross section, solid core, max. rated connection	2.5 mm <sup>2</sup>
Wire connection cross section, solid core max. rated connection	16 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	2.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	50 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	35 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	2.5 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	35 mm <sup>2</sup>	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	35 mm <sup>2</sup>	Twin wire-end ferrules, min.	1.5 mm <sup>2</sup>
Twin wire-end ferrules, max.	16 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 12
Wire connection cross section AWG, max.	AWG 2		

**Rated data**

Rated cross-section	35 mm <sup>2</sup>	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	125 A
Current at maximum wires	150 A	Standards	IEC 60947-7-1
Pollution severity	3		

**Strap connection**

Strap 1, min.	3 layers 9 x 0.8	Strap 1, max.	9 layers 9 x 0.8
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**UL ratings data**

Certificate No. (UR)	E60693VOL1SEC38	Voltage size C (UR)	1000 V
Current size C (UR)	150 A	Conductor size Factory wiring max. (UR)	0 AWG
Conductor size Factory wiring min. (UR)	12 AWG	Conductor size Field wiring max. (UR)	0 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		

## W-series terminal with clamping yoke connection WDU 35

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

Note, ordering data	<b>Order No. 1020500000 and 1020580000 (blue) versions without pegs (40 pcs.)</b>
Note, technical data	The tightening torque is 4.5 Nm for 16 - 50 mm <sup>2</sup> and AWG 6 - 2/7 stranded conductors. Copper straps can be used; possible connections: 3 to 9 layers 9 x 0.8 mm.
Note, accessories	Socket and test plug, see section "W-series accessories"

### Downloads

STEP	<a href="#">1020500000_09257_WDU_35_STP.stp</a>
<a href="#">3D model</a>	

**Datasheet**

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**Drawings**

