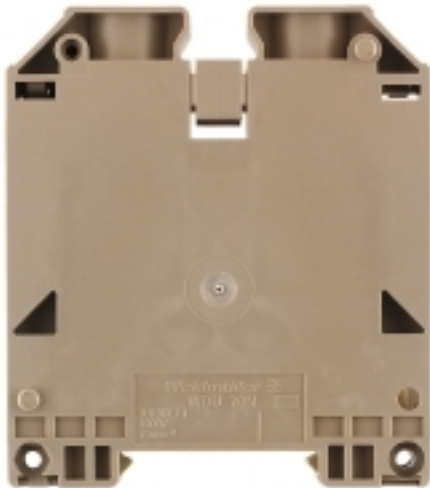


## W-Series WDU 70N/35

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 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

Type	WDU 70N/35
Order No.	<a href="#">9512190000</a>
Version	W-Series, Feed-through terminal, Rated cross-section: 70 mm <sup>2</sup> , Screw connection, Direct mounting, Dark Beige
GTIN (EAN)	4008190403874
Qty.	10 pc(s).

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## Technische Daten

### Dimensions and weights

Length	75 mm	Width	20.5 mm
Height	85 mm	Height of lowest version	86 mm
Weight	130.8 g	Net weight	119.233 g

### Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

### 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 (ATEX)	690 V	Current (ATEX)	167 A
Wire cross section max. (ATEX)	70 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.	10 mm <sup>2</sup>	Cross-section for connected wire, stranded, two clampable wires, max.	25 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	10 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	25 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	6 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	25 mm <sup>2</sup>

### Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	closed
Type of mounting	Snap-on	Version	Screw connection, for screwable cross-connection, closed

### CSA ratings data

Certificate No. (CSA)	200039-1057876	Voltage size C (CSA)	600 V
Current size C (CSA)	205 A	Wire cross section max. (CSA)	000 AWG
Wire cross section min. (CSA)	6 AWG		

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## Technische Daten

### Clampable wires (rated connection)

Type of connection	Screw connection	Stripping length	22 mm
Blade size	S6 (DIN 6911)	Connection direction	on side
Number of connections	2	Clamping range, rated connection, min.	10 mm <sup>2</sup>
Clamping range, rated connection, max.	95 mm <sup>2</sup>	Clamping screw	M 8
Tightening torque, min.	8 Nm	Tightening torque, max.	12 Nm
Gauge to IEC 60947-1	B11	Wire connection cross section, solid core, max. rated connection	10 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.	10 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	95 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	70 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	10 mm <sup>2</sup>	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	10 mm <sup>2</sup>
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	70 mm <sup>2</sup>	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	10 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	70 mm <sup>2</sup>	Wire connection cross section AWG, min.	AWG 6
Wire connection cross section AWG, max.	AWG 2/0		

### Rated data

Rated cross-section	70 mm <sup>2</sup>	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	192 A
Current at maximum wires	232 A	Standards	IEC 60947-7-1
Pollution severity	3		

### UL ratings data

Certificate No. (cURus)	E60693	Conductor size Factory wiring max. (cURus)	000 AWG
Conductor size Factory wiring min. (cURus)	6 AWG	Conductor size Field wiring max. (cURus)	000 AWG
Conductor size Field wiring min. (cURus)	6 AWG	Current size C (cURus)	195 A
Voltage size C (cURus)	600 V		

### Material data

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

### System specifications

Product family	W-Series	Type of connection	Screw connection
Connection direction	on side	Number of levels	1
Number of connections	2	No. of clamping points per level	2
Number of potentials per level	1	Levels cross-connected internally	No
Mounting rail	TS 35	End cover plate required	No

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**Technische Daten**

**Classifications**

ETIM 3.0	EC000897	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-20	eClass 6.2	27-14-11-20
eClass 7.1	27-14-11-20		

**Product information**

Descriptive text ordering data	1000 VDC rated voltage tested. 1000 V UL and CSA for use groups B and C: can be used with isolating DIN rails and when using WTW-type partitions.
Descriptive text accessories	Auxiliary connection for additional conductor "WZAD 70N" 1964830000 (up to 10 mm <sup>2</sup> , 41 A).

**Approvals**

Approvals



ROHS Conform

**Datenblatt**

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**Zeichnungen**

