

**W-series terminal with clamping yoke connection
WDU 70N/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 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.	9512190000
Type	WDU 70N/35
Version	W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 70 mm ² , Screw connection, Direct mounting
GTIN (EAN)	4008190403874
Qty.	10 pc(s).

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Technical data

Dimensions

Length	75 mm	Width	20.5 mm
Height	85 mm	Height of lowest version	86 mm
Weight	130.8 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)	167 A
Wire cross section max. (ATEX)	70 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)

Cross-section for connected wire, stranded, two clampable wires, min.	10 mm ²	Cross-section for connected wire, stranded, two clampable wires, max.	25 mm ²
Wire connection cross section, finely stranded, two clampable wires, min.	10 mm ²	Wire cross-section, finely stranded, two clampable wires, max.	25 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min.	6 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max.	25 mm ²

Additional technical data

Explosion-tested version	Yes	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	closed
Type of mounting	Snap-on		

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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Technical data

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 ²
Clamping range, rated connection, max.	95 mm ²	Clamping screw	M 8
Tightening torque, min.	6 Nm	Tightening torque, max.	12 Nm
Gauge to IEC 60947-1	B11	Wire connection cross section, solid core, max. rated connection	10 mm ²
Wire connection cross section, solid core max. rated connection	16 mm ²	Wire connection cross section, stranded, rated connection, min.	10 mm ²
Wire connection cross section, stranded, rated connection, max.	95 mm ²	Wire connection cross section, finely stranded, max.	70 mm ²
Wire connection cross-section, finely stranded, min.	10 mm ²	Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.	10 mm ²
Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.	70 mm ²	Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	10 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max.	70 mm ²	Wire connection cross section AWG, min.	AWG 6
Wire connection cross section AWG, max.	AWG 2/0		

Rated data

Rated cross-section	70 mm ²	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		

Strap connection

Strap 1, min.	3 layers 9 x 0.8	Strap 1, max.	9 layers 9 x 0.8
Strap 2, max.	4 layers 16 x 0.8		

UL ratings data

Certificate No. (cURus)	E60693VOL1SEC75	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
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	End cover plate required	No

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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



CURUSEX



ATEX

Product information

Note, technical data	Copper straps can be used, possible connections: see online catalogue.
Note, accessories	Auxiliary connection for the additional conductor "WZAD 70N", order no. 1964830000 (up to 10 mm², 41 A)

Downloads

DXF	32023_WDU_70N_DXF.dxf
STEP	9512190000_32023_WDU_70N-35_STP.stp
3-D model	

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Drawings

