W-series terminal with clamping yoke connection WFF 300/AH

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The comprehensive range of bolt-type screw terminals offers secure connections for all power transmission applications.
Connections from 10 mm² to 300 mm² are possible. The conductors are attached to the terminals using crimped cable lugs and each connection secured by tightening the hexagonal nut.
Bolt-type screw terminals with threads from M5 to M16 can be used depending on the conductor cross-section.
A low voltage drop and the use of a self-extinguishing material with a V-0 (UL 94) flammability rating guarantee maximum safety.
All bolt-type screw terminals have been tested according to international railway standards (EN 50343, EN 50155, NF F61-017, NF16-101; Ria 20) and comply with the requirements of those standards.

General ordering data

Type	WFF 300/AH
Order No.	1029700000
Version	W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 300 mm², Threaded stud connection
GTIN (EAN)	4008190088347
Qty.	2 pc(s).

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Technische Daten

Dimensions and weights

Length	163 mm	Width	55 mm
Height	85.5 mm	Height of lowest version	94 mm
Weight	599 g	Net weight	592.51 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)	KEMA98ATEX1684U	ATEX certificate	IECEXKEM07.0053U
ATEX certificate	KEMA98ATEX1684U_e.pdf	Certificate No. (IECEX)	IECEXKEM07.0053U
IEC Ex certificate	IECEXKEM07.0053U_e.pdf	Max. voltage (ATEX)	1100 V
Current (ATEX)	452 A	Wire cross section max. (ATEX)	300 mm²
Max. voltage (IECEX)	1100 V	Current (IECEX)	452 A
Wire cross section max. (IECEX)	300 mm²	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
Marking ATEX Directive 94/9/EC	II 2 G D		

Additional technical data

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

CSA ratings data

Certificate No. (CSA)	200039-1244019	Voltage size C (CSA)	600 V
Current size C (CSA)	510 A	Wire cross section max. (CSA)	600 kcmil
Wire cross section min. (CSA)	6 AWG		

Clampable wires (rated connection)

Type of connection	Threaded stud connection	Clamping range, rated connection, min.	25 mm²
Clamping range, rated connection, max.	300 mm²	Tightening torque, min.	25 Nm
Tightening torque, max.	60 Nm	Wire connection cross section, finely stranded, max.	240 mm²
Wire connection cross-section, finely stranded, min.	25 mm²		

Rated data

Rated cross-section	300 mm²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	520 A
Current at maximum wires	520 A	Pollution severity	3

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Stud connection

Tightening torque, min.	25 Nm	Tightening torque, max.	60 Nm
Stud size for spade connection	M16	Cable lug to DIN 46234	25...240 mm²
Cable lug to DIN 46235	50...300 mm²	Clamping range, bolted connection , min.	25 mm²
Clamping range, bolted connection , max.	300 mm²		

UL ratings data

Certificate No. (UR)	E60693	Voltage size C (UR)	1000 V
Current size C (UR)	500 A	Conductor size Factory wiring max. (UR)	600 kcmil
Conductor size Factory wiring min. (UR)	6 AWG	Conductor size Field wiring max. (UR)	600 kcmil

Material data

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

System specifications

Product family	W-series terminal with clamping yoke connection	Type of connection	Threaded stud connection
Number of levels	1	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35
End cover plate required	No		

Classifications

ETIM 3.0	EC002020	UNSPSC	30-21-18-01
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.
Descriptive text accessories	WAH 185/300 in blue, Order no. 1064780000

Approvals

Approvals	CSAEX CURUSEX GOSTEX
ROHS	Conform