

W-series terminal with clamping yoke connection WFF 35

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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 35
Order No.	1028300000
Version	W-series terminal with clamping yoke connection, Feed-through terminal, Rated cross-section: 35 mm ² , Threaded stud connection
GTIN (EAN)	4008190124946
Qty.	10 pc(s).

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Technical data**Dimensions and weights**

Width	27 mm	Height	107 mm
Height of lowest version	59.5 mm	Depth	51 mm
Weight	90 g	Net weight	83.7 g

Temperatures

Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C
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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)	109 A	Wire cross section max. (ATEX)	35 mm ²
Max. voltage (IECEX)	1100 V	Current (IECEX)	109 A
Wire cross section max. (IECEX)	35 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

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)	130 A	Wire cross section max. (CSA)	2 AWG
Wire cross section min. (CSA)	14 AWG		

Clampable wires (rated connection)

Type of connection	Threaded stud connection	Number of connections	2
Clamping range, rated connection, min.	2.5 mm ²	Clamping range, rated connection, max.	50 mm ²
Tightening torque, min.	3 Nm	Tightening torque, max.	6 Nm
Wire connection cross section, finely stranded, max.	50 mm ²	Wire connection cross-section, finely stranded, min.	2.5 mm ²

Rated data

Rated cross-section	35 mm ²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	125 A
Current at maximum wires	150 A	Pollution severity	3

Stud connection

Tightening torque, min.	3 Nm	Tightening torque, max.	6 Nm
Stud size for spade connection	M 6	Cable lug to DIN 46234	2.5...50 mm ²
Cable lug to DIN 46235	6...25 mm ²	Clamping range, bolted connection , min.	2.5 mm ²
Clamping range, bolted connection , max.	50 mm ²		

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Technical data

UL ratings data

Certificate No. (UR)	E60693	Voltage size C (UR)	1000 V
Current size C (UR)	115 A	Conductor size Factory wiring max. (UR)	2 AWG
Conductor size Factory wiring min. (UR)	14 AWG	Conductor size Field wiring max. (UR)	2 AWG

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	Number of connections	2
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. 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	WAH 35 in blue, Order no. 1064480000

Approvals

Approvals



ROHS	Conform
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Downloads

STEP	1028300000_17222_WFF_35_STP.stp
	3-D model