

**W terminal single-stud terminals
WF 12 NFF**

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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

Order No.	1968940000
Type	WF 12 NFF
Version	W terminal single-stud terminals, Stud terminal, Rated cross-section: 120 mm ² , Screwed, Direct mounting
GTIN (EAN)	4032248671489
Qty.	20 pc(s).

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Technical data

Dimensions

Length	67 mm	Width	33.8 mm
Height	70.5 mm	Height of lowest version	72 mm
Net weight	126.55 g		

Temperatures

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

Additional technical data

Explosion-tested version	No	Installation advice	Direct mounting
Number of similar terminals	1	Open sides	Open
Type of mounting	Snap-on		

Clampable wires (rated connection)

Type of connection	Screwed	Connection direction	on side
Clamping range, rated connection, min.	6 mm ²	Clamping range, rated connection, max.	120 mm ²
Tightening torque, min.	14 Nm	Tightening torque, max.	31 Nm

Dimensions

TS 35 offset	31.5 mm
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Rated data

Rated cross-section	120 mm ²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	269 A
Current at maximum wires	269 A	Pollution severity	3

Stud connection

Tightening torque, min.	14 Nm	Tightening torque, max.	31 Nm
Stud size for spade connection	M 12	Cable lug to DIN 46234	6...120 mm ²
Cable lug to DIN 46235	10...95 mm ²	Clamping range, bolted connection , min.	6 mm ²
Clamping range, bolted connection , max.	120 mm ²	Voltage with epoxy resin partition plate	2,300 V
Impulse voltage with epoxy resin partition plate	12 kV		

Material data

Material	Wemid	Colour	Dark beige
Flammability class UL 94	V-0		

System specifications

Product family	W terminal single-stud terminals	Type of connection	Screwed
Connection direction	on side	Number of levels	1
No. of clamping points per level	1	Levels cross-connected internally	No
Mounting rail	TS 35	End cover plate required	No

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Technical data**Classifications**

ETIM 3.0	EC002020	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-20	eClass 6.0	27-14-11-20
eClass 7.0	27-14-11-20		

Product information

Descriptive text accessories	With WTW...2300 made from epoxy resin, rated current is 2300 V according to prelim. EN 50124-1
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