

**Bolt-type screw terminals
WFF 120/M12/AH**

Weidmüller Interface GmbH & Co. KG
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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 120/M12/AH
Order No.	1857540000
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 120 mm ² , Threaded stud connection
GTIN (EAN)	4032248402595
Qty.	4 pc(s).

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Technische Daten

Dimensions and weights

Length	229.5 mm	Width	42 mm
Height of lowest version	80.5 mm	Net weight	334.75 g

Temperatures

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

Rated data IECEx/ATEX

Marking EN 60079-7	Ex e II	Marking ATEX Directive 94/9/EC	II 2 G D
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Additional technical data

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

CSA ratings data

Certificate No. (CSA)	200039-1244019	Voltage size C (CSA)	600 V
Current size C (CSA)	310 A	Wire cross section max. (CSA)	250 kcmil
Wire cross section min. (CSA)	10 AWG		

Clampable wires (additional connection)

Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min.	0.5 mm ²	Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max.	2.5 mm ²
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Clampable wires (rated connection)

Type of connection	Threaded stud connection	Clamping range, rated connection, min.	6 mm ²
Clamping range, rated connection, max.	150 mm ²	Tightening torque, min.	10 Nm
Tightening torque, max.	20 Nm	Wire connection cross section, finely stranded, max.	150 mm ²
Wire connection cross-section, finely stranded, min.	6 mm ²		

Dimensions

TS 15 offset	13.5 mm	TS 35 offset	66 mm
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Rated data

Rated cross-section	120 mm ²	Rated voltage	1,000 V
Rated impulse withstand voltage	6 kV	Rated current	269 A
Current at maximum wires	309 A	Standards	IEC 60947-7-1
Pollution severity	3		

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Stud connection

Tightening torque, min.	10 Nm	Tightening torque, max.	20 Nm
Stud size for spade connection	M 10	Cable lug to DIN 46234	6...150 mm ²
Cable lug to DIN 46235	16...150 mm ²	Clamping range, bolted connection , min.	6 mm ²
Clamping range, bolted connection , max.	150 mm ²		

Material data

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

System specifications

Product family	Bolt-type screw terminals	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 15, TS 35
End cover plate required	Yes		

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 accessories	WAH 120 in blue, order No. 1064680000
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Approvals

Approvals



ROHS	Conform
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Zeichnungen

