

General ordering data

Order No.	1028580000
Part designation	WFF 120 BL
Version	Stud terminal, 120 mm ² , Threaded stud connection, Wemid, blue, TS 35
EAN	4008190121808
Qty.	5 pc(s).

Product notes

Note, accessories	WAH 120 in blue, order no. 1064650000
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PT OKIECEEx/ATEX rating data

EU-type examination certificate	KEMA98ATEX1684U
Download, German	KEMA98ATEX1684U_d.pdf
Download English	KEMA98ATEX1684U_e.pdf
ATEX voltage	1100 V
ATEX current	234 A
ATEX conductor cross-section	120 mm ²
Voltage when using cross-connections	CrossConnectionGuide.pdf
Operating temperature range	Einsatztemperaturbereich siehe EG-Baumusterprüfbescheinigung/IECEX-Certificate of Conformity
Marking EN 60079-7	Ex e II
Marking ATEX Directive 94/9/EC	Ex II 2 G D

Additional technical data

Colour of insulating material	blue
Connection direction	on side
End plate required	No
Explosion-tested version "Ex e"	Yes
Installation advice	TS 35
Insulating material	Wemid
Levels cross-connected internally	No
No. of identical terminals	1
No. of levels	1
No. of terminal strips per level	2
Open sides	closed
Operating temperature range	- 50 °C, + 120 °C
Product family	W-Series
Type of connection	Screwed
Type of mounting	Snap-on
UL 94 flammability rating of insulation material	V-0
Version	Stud terminal

CSA rating data

Voltage (CSA)	600 V
CSA current	310 A
Min. cross-section (CSA)	AWG 10
Max. cross-section (CSA)	kcmil 250

Conductors for clamping (rated connection)

Type of connection	Threaded stud connection
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Conductors for clamping (rated connection)

Connection direction	on side
Flexible, min.	6 mm ²
Flexible, max.	150 mm ²

Dimensions

Width	42 mm
Height of lowest version	73 mm
Length	132 mm
Weight	265.69 g
TS 35 offset	66 mm

Rating data

Rated cross-section	120 mm ²
Rated voltage	1,000 V
Rated impulse voltage	8 kV
Rated current	269 A
Current with max. conductor	309 A
Pollution severity	3

Strap connection

Gauge to EN 50043	C8
Strap 1, max.	6 x 20 x 1
Strap 1, min.	6 x 20 x 1
Strap 2, min.	5 x 24 x 1

Stud connection

2 cable lugs to DIN 46234	16...120 mm ²
2 cable lugs to DIN 46234	6...120 mm ²
Cable lug to DIN 46234	16...150 mm ²
Cable lug to DIN 46234	6...150 mm ²
Clamping range, max.	150 mm ²
Clamping range, min.	6 mm ²
Stud size for spade connection	M 10
Tightening torque range	10...20 Nm

UL rating data

Voltage (UL)	1,000 V
Current (UL)	310 A
Min. cross-section (UL)	AWG 10
Max. cross-section (UL)	kcmil 250

Approvals

Approvals institutes



Approvals



Downloads

STEP 1028580000_17240_WFF_120_BL_STP.stp

Classifications

eClass 4.1	NK
eClass 5.0	NK
eClass 5.1	NK

Similar products

Order No.	Part designation	Version
1028300000	WFF 35	Stud terminal, 35 mm ² , Threaded stud connection, Wemid, dark beige, TS 35
1028380000	WFF 35 BL	Stud terminal, 35 mm ² , Threaded stud connection, Wemid, blue, TS 35
1028400000	WFF 70	Stud terminal, 70 mm ² , Threaded stud connection, Wemid, dark beige, TS 35
1028480000	WFF 70 BL	Stud terminal, 70 mm ² , Threaded stud connection, Wemid, blue/light blue, TS 35
1028500000	WFF 120	Stud terminal, 120 mm ² , Threaded stud connection, Wemid, dark beige, TS 35
1857540000	WFF 120/M12/AH	Stud terminal, 120 mm ² , Screw connection, Wemid, dark beige, TS 35
1028600000	WFF 185	Stud terminal, 185 mm ² , Threaded stud connection, Wemid, dark beige, TS 35
1028680000	WFF 185 BL	Stud terminal, 185 mm ² , Threaded stud connection, Wemid, blue, TS 35
1028700000	WFF 300	Stud terminal, 300 mm ² , Threaded stud connection, Wemid, dark beige, TS 35