

## Excellent Integrated System Limited

Stocking Distributor

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[Weidmüller](#)  
[1028600000](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)


**General ordering data**

Order No.	1028600000
Part designation	WFF 185
Version	Stud terminal, 185 mm <sup>2</sup> , Threaded stud connection, Wemid, dark beige, TS 35
EAN	4008190044091
Qty.	4 pc(s).

**Product notes**

Note, accessories	WAH 185/300 in blue, order no. 1064780000
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**PT OKIECEX/ATEX rating data**

EU-type examination certificate	KEMA98ATEX1684U
Download, German	KEMA98ATEX1684U_d.pdf
Download English	KEMA98ATEX1684U_e.pdf
ATEX voltage	1100 V
ATEX current	307 A
ATEX conductor cross-section	185 mm <sup>2</sup>
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	dark beige
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

**Additional technical data**

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	Feed-through terminal

**CSA rating data**

Voltage (CSA)	600 V
CSA current	360 A
Min. cross-section (CSA)	AWG 8
Max. cross-section (CSA)	kcmil 500

**Conductors for clamping (additional connection)**

Type of connection	---
Flexible with ferrule, min. (DIN 46228 pt 1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228 pt 1)	2.5 mm <sup>2</sup>

**Conductors for clamping (rated connection)**

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>
Type of connection	Threaded stud connection
2nd type of connection	screwed
Connection direction	on side
No. of connections	2
Stripping length	8 mm
Clamping screw	M 3
Blade size	0.6 x 3.5 mm
Tightening torque range	0.6...0.8 Nm
Torque level with DMS electric screwdriver	2
Gauge to IEC 60947-1	A3
Solid, min.	0.5 mm <sup>2</sup>
Solid, max.	6 mm <sup>2</sup>
Stranded, min.	0.5 mm <sup>2</sup>
Stranded, max.	4 mm <sup>2</sup>
Flexible, min.	10 mm <sup>2</sup>
Flexible, max.	240 mm <sup>2</sup>
Flexible with ferrule, min. (DIN 46228/1)	0.5 mm <sup>2</sup>
Flexible with ferrule, max. (DIN 46228/1)	2.5 mm <sup>2</sup>
Flexible, min., ferrule with plastic collar (DIN 46228 pt 4)	0.5 mm <sup>2</sup>
Flexible, max., ferrule with plastic collar (DIN 46228 pt 4)	2.5 mm <sup>2</sup>
AWG conductor size, min.	AWG 24
AWG conductor size, max.	AWG 12
AWG conductor size, min.	0.21 mm <sup>2</sup>
AWG conductor size, max.	3.31 mm <sup>2</sup>

#### Dimensions

Width	55 mm
Height of lowest version	79 mm
Length	163 mm
Weight	438.25 g
TS 15 offset	13.5 mm
TS 35 offset	81.5 mm

#### Disconnect terminals

Torque level with DMS electric screwdriver	2
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#### Rating data

Rated cross-section	185 mm <sup>2</sup>
Rated voltage	1,000 V
Rated impulse voltage	8 kV
Rated current	353 A
Standards	IEC 60947-7-1
Current with max. conductor	415 A
Pollution severity	3

#### Strap connection

Gauge to EN 50043	C11
Strap 1, max.	10 x 24 x 1
Strap 1, min.	5 x 24 x 1
Strap 2, max.	6 x 32 x 1
Strap 2, min.	8 x 32 x 1

#### Stud connection

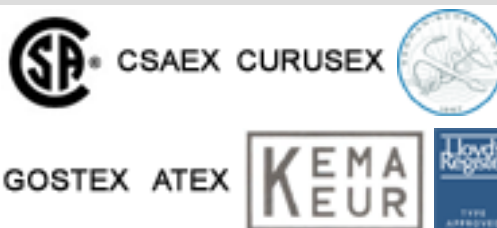
2 cable lugs to DIN 46234	25...185 mm <sup>2</sup>
2 cable lugs to DIN 46234	10...185 mm <sup>2</sup>
Cable lug to DIN 46234	25...240 mm <sup>2</sup>
Cable lug to DIN 46234	10...240 mm <sup>2</sup>
Clamping range, max.	240 mm <sup>2</sup>
Clamping range, min.	10 mm <sup>2</sup>
Stud size for spade connection	M 12
Tightening torque range	14...31 Nm

#### UL rating data

Voltage (UL)	1,000 V
Current (UL)	380 A
Min. cross-section (UL)	AWG 8
Max. cross-section (UL)	kcmil 500

#### Approvals

Approvals institutes



### Approvals



### Downloads

STEP 1028600000\_17244\_WFF\_185\_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 <sup>2</sup> , Threaded stud connection, Wemid, dark beige, TS 35
1028380000	WFF 35 BL	Stud terminal, 35 mm <sup>2</sup> , Threaded stud connection, Wemid, blue, TS 35
1028400000	WFF 70	Stud terminal, 70 mm <sup>2</sup> , Threaded stud connection, Wemid, dark beige, TS 35
1028480000	WFF 70 BL	Stud terminal, 70 mm <sup>2</sup> , Threaded stud connection, Wemid, blue/light blue, TS 35
1028500000	WFF 120	Stud terminal, 120 mm <sup>2</sup> , Threaded stud connection, Wemid, dark beige, TS 35
1028580000	WFF 120 BL	Stud terminal, 120 mm <sup>2</sup> , Threaded stud connection, Wemid, blue, TS 35
1857540000	WFF 120/M12/AH	Stud terminal, 120 mm <sup>2</sup> , Screw connection, Wemid, dark beige, TS 35
1028680000	WFF 185 BL	Stud terminal, 185 mm <sup>2</sup> , Threaded stud connection, Wemid, blue, TS 35
1028700000	WFF 300	Stud terminal, 300 mm <sup>2</sup> , Threaded stud connection, Wemid, dark beige, TS 35