

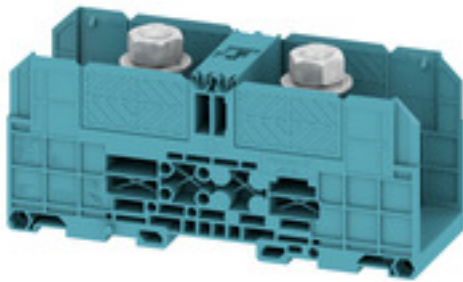
WFF 185 BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

The comprehensive range of stud terminals ensures secure connections for all power transmission applications. Connections range from 10 mm² to 300 mm². The connectors are attached to the threaded pins using crimped cable lugs and each connection is secured by tightening the hexagon nut. Stud terminals with threaded pins from M5 to M16 can be used according to the wire cross-section.

General ordering data

Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 185 mm ² , Threaded stud connection
Order No.	1028680000
Type	WFF 185 BL
GTIN (EAN)	4008190061005
Qty.	4 pc(s).

Creation date March 31, 2022 12:55:12 AM CEST

Catalogue status 25.03.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	89.5 mm	Depth (inches)	3.524 inch
Depth including DIN rail	87 mm	Height	163 mm
Height (inches)	6.417 inch	Width	55 mm
Width (inches)	2.165 inch	Net weight	409.39 g

Temperatures

Storage temperature		Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity
	-25 °C...55 °C		
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Material data

Material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Certificate No. (IECEX)	IECEXKEM07.0053U	Max. voltage (IECEX)	1100 V
Current (IECEX)	307 A	Wire cross section max. (IECEX)	185 mm ²
Operating temperature range	For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity	Marking EN 60079-7	
Ex 2014/34/EU label	II 2 G D		Ex eb II C Gb

System specifications

End cover plate required	No	Number of levels	1
Number of clamping points per level	2	Levels cross-connected internally	No
PE connection	No	Rail	TS 35

Additional technical data

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

CSA rating data

Certificate No. (CSA)	200039-1244019	Current size C (CSA)	360 A
Current size D (CSA)	5 A	Voltage size C (CSA)	600 V
Voltage size D (CSA)	600 V	Wire cross section max. (CSA)	500 kcmil
Wire cross section min. (CSA)	8 AWG		

Conductors for clamping (rated connection)

2 x cable lugs DIN 46 234	10...185 mm ²	2 x cable lugs DIN 46 235	25...185 mm ²
Cable lug to DIN 46234	10...240 mm ²	Cable lug to DIN 46235	25...240 mm ²
Clamping range, max.	240 mm ²	Clamping range, min.	10 mm ²
Number of connections	2	Stud size for spade connection	M 12
Tightening torque, max.	31 Nm	Tightening torque, min.	14 Nm
Type of connection	Threaded stud connection		

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Technical data

General

Rail TS 35

Rating data

Rated cross-section	185 mm ²	Rated voltage	1,000 V
Rated DC voltage	1,500 V DC	Rated current	353 A
Current at maximum wires	415 A	Volume resistance according to IEC 60947-7-x	0.09 mΩ
Rated impulse withstand voltage	8 kV	Power loss in accordance with IEC 60947-7-x	11.3 W
Pollution severity	3		

UL rating data

Certificate No. (UR)	E60693	Conductor size Factory wiring max. (UR)	500 AWG
Conductor size Factory wiring min. (UR)	8 AWG	Conductor size Field wiring max. (UR)	500 AWG
Conductor size Field wiring min. (UR)	8 AWG	Current size C (UR)	380 A
Voltage size C (UR)	1000 V		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20		

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

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Technical data**Downloads**

Approval/Certificate/Document of Conformity	Attestation of Conformity CB Certificate EAC certificate DNVGL certificate MARITREG Certificate POLSKIREJ certificate CCC Ex Certificate ATEX Certificate IECEX Certificate CE Declaration of Conformity CE Declaration of Conformity all terminals
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Cross Connection Guide StorageConditionsTerminalBlocks WFF range for 1500 VDC applications DIRECT MOUNTING WFF TERMINAL BLOCKS NTI WFF 185
Catalogues	Catalogues in PDF-format
Brochures	

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Accessories

Custom printing



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	WS 12/6.5 MC SDR	Version
Order No.	1609930000	WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190456665	Weidmueller, Allen-Bradley, To customer specification
Qty.	108 pc(s).	

Blank



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General ordering data

Type	WS 12/6.5 MC NE WS	Version
Order No.	1609920000	WS, Terminal marker, 12 x 6.5 mm, Pitch in mm (P): 6.50
GTIN (EAN)	4008190203511	Weidmueller, Allen-Bradley, white
Qty.	540 pc(s).	

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Accessories

Protective covers



Protective covers or protective caps are attached to the respective connection area of the terminal blocks. They provide protection against electric shock caused by accidental contact with live parts due to operation or faults.

General ordering data

Type	WAH 185/300 BE	Version
Order No.	1064760000	Bolt-type screw terminals, Hood, beige, 54 mm
GTIN (EAN)	4008190108267	
Qty.	10 pc(s).	
Type	WAH 185/300 BL	Version
Order No.	1064780000	Bolt-type screw terminals, Hood, blue, 54 mm
GTIN (EAN)	4008190103200	
Qty.	10 pc(s).	

W-Series



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	WEW 35/1	Version
Order No.	1059000000	W-Series, End bracket
GTIN (EAN)	4008190172282	
Qty.	50 pc(s).	

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Accessories

WF/WFF-Series



The additional connection enables a separate voltage tap. This can be used, for example, for the emergency power supply before the main switch or simply as an additional connection within the application.

General ordering data

Type	WZAF 185	Version
Order No.	1066400000	W-Series, Additional connection
GTIN (EAN)	4008190031985	
Qty.	10 pc(s).	

Standard



Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

General ordering data

Type	WQL 3 WFF185	Version
Order No.	1065700000	Bolt-type screw terminals, Cross-connector, Number of poles: 3
GTIN (EAN)	4008190140885	
Qty.	5 pc(s).	
Type	WQL 2 WFF185	Version
Order No.	1065200000	Bolt-type screw terminals, Cross-connector, Number of poles: 2
GTIN (EAN)	4008190044855	
Qty.	5 pc(s).	

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Accessories

Blank



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/5 MC NE WS	Version	
Order No.	1609801044		Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4008190397111		Weidmueller, white
Qty.	1,000 pc(s).		

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Accessories

WS 12/6.5



WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

Type	WS 12/6.5 MM WS	Version	
Order No.	2619930000		WS, Terminal marker, 12 x 6.5 mm, Weidmueller, white
GTIN (EAN)	4050118626155		
Qty.	600 pc(s).		

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Weidmuller:](#)

[1028680000](#)