

WFF 300

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 300 mm ² , Threaded stud connection
Order No.	1028700000
Type	WFF 300
GTIN (EAN)	4008190165017
Qty.	4 items

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

Certificate No. (cURusEX) E184763

Dimensions and weights

Depth	85.5 mm	Depth (inches)	3.3661 inch
Depth including DIN rail	94 mm	Height	163 mm
Height (inches)	6.4173 inch	Width	55 mm
Width (inches)	2.1654 inch	Net weight	540.21 g

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Material data

Basic material	Wemid	Colour	dark beige
UL 94 flammability rating	V-0		

Rating data IECEx/ATEX

Marking EN 60079-7	Ex eb II C Gb	Ex 2014/34/EU label	II 2 G D
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System specifications

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

Additional technical data

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

CSA rating data

Wire cross section max. (CSA)	600 kcmil	Voltage size C (CSA)	600 V
Current size C (CSA)	510 A	Certificate No. (CSA)	200039-1244019

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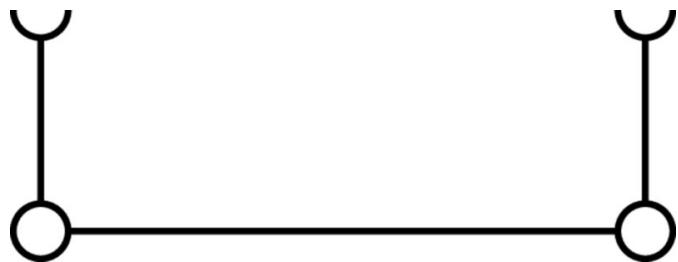
Wire cross section min. (CSA)	6 AWG
Conductors for clamping (rated connection)	
Cable lug to DIN 46234	25...240 mm ²
Wire connection cross section AWG, max.	kcmil 500
Tightening torque, max.	60 Nm
Type of connection	Threaded stud connection
Clamping range, max.	300 mm ²
Wire connection cross section AWG, min.	AWG 3
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	25 mm ²
Wire connection cross section, finely stranded, min.	25 mm ²
Connection cross-section, stranded, min.	25 mm ²
Wire connection cross-section, solid core, max.	300 mm ²
Connection cross-section, finely stranded, min.	25 mm ²
2 x cable lugs DIN 46 234	25 to 240 mm ²
General	
Wire connection cross section AWG, max.	kcmil 500
Standards	IEC 60947-7-1
Wire connection cross section AWG, min.	AWG 3
Mounting rail	TS 35
Rating data	
Rated cross-section	300 mm ²
Rated DC voltage	1500 V
Current at maximum wires	520 A
Volume resistance according to IEC 60947-7-x	0.06 mΩ
Power loss in accordance with IEC 60947-7-x	16.64 W
Rated voltage	1000 V
Nominal current	520 A
Standards	IEC 60947-7-1
Rated impulse withstand voltage	8 kV
Pollution severity	3
UL rating data	
Conductor size Factory wiring max. (UR)	600 kcmil
Voltage size C (UR)	1000 V
Certificate No. (UR)	E60693
Conductor size Field wiring max. (UR)	600 kcmil
Current size C (UR)	500 A
Conductor size Factory wiring min. (UR)	6 AWG
Conductor size Field wiring min. (UR)	6 AWG
Classifications	
ETIM 8.0	EC000897
ETIM 10.0	EC000897
ECLASS 15.0	27-25-01-01
ETIM 9.0	EC000897
ECLASS 14.0	27-25-01-01

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Drawings

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Accessories

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	WQL 2 WFF300	Version
Order No.	1065300000	Bolt-type screw terminals, Cross-connector, Number of poles: 2
GTIN (EAN)	4008190110000	
Qty.	5 ST	
Type	WQL 3 WFF300	Version
Order No.	1065800000	Bolt-type screw terminals, Cross-connector, Number of poles: 3
GTIN (EAN)	4008190031312	
Qty.	5 ST	

Additional connection



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 300	Version
Order No.	1066500000	Auxiliary connection (terminal)
GTIN (EAN)	4008190157579	
Qty.	10 ST	

End bracket



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.

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Accessories

General ordering data

Type	WEW 35/1	Version
Order No.	1059000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C
GTIN (EAN)	4008190172282	
Qty.	50 ST	

Protection against contact

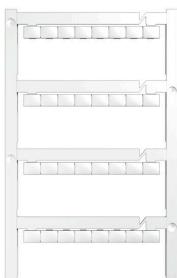


Our systems for touch protection ensure greater safety in your cabinet. They provide protection against electric shock caused by accidental contact with live parts due to operation or faults.

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

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 5/7.5 MC NE WS	Version
Order No.	1720620000	Dekafix, Terminal marker, 5 x 7.5 mm, Pitch in mm (P): 7.50
GTIN (EAN)	4008190362300	Weidmueller, white
Qty.	320 ST	

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Accessories

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	Weidmüller, Allen-Bradley, white
Qty.	540 ST	
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	Weidmüller, white
Qty.	1000 ST	

Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

General ordering data

Type	BZT 1 WS 10/5	Version
Order No.	1805490000	Accessories, Marker holder
GTIN (EAN)	4032248270231	
Qty.	100 ST	
Type	BZT 1 ZA WS 10/5	Version
Order No.	1805520000	Accessories, Marker holder
GTIN (EAN)	4032248270248	
Qty.	100 ST	

DEK 5/7.5



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

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Accessories

General ordering data

Type	DEK 5/7.5 MM WS	Version
Order No.	2619920000	Dekafix, Terminal marker, 5 x 7.5 mm, Weidmüller, white
GTIN (EAN)	4050118626162	
Qty.	500 ST	

WS 12/6.5



WS/ DEK

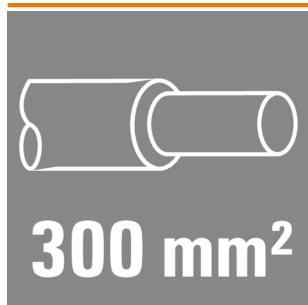
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate 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, Weidmüller, white
GTIN (EAN)	4050118626155	
Qty.	600 ST	

300 mm²

The use of insulated connectors guarantees users consistent electrical connection quality in the long term.

- Wide range of insulated and non-insulated cable lugs and connectors
- Tubular cable lugs according to current market standards (Euroseries)
- Compression cable lugs acc. to DIN 46235
- Sheet metal cable lugs acc. to DIN 46234
- Insulated ring cable lugs to DIN 46237
- Insulated pin cable lugs to DIN 46231

General ordering data

Type	KP-M16-300	Version
Order No.	1498460000	cable lug, terminal end, 300 mm ²
GTIN (EAN)	4050118307870	
Qty.	10 ST	

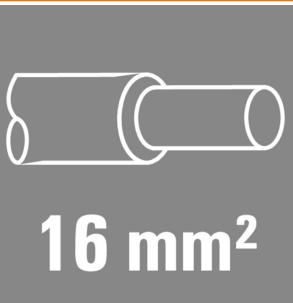
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Accessories

Type	KRN-M16/-300	Version
Order No.	1495550000	cable lug, terminal end, 300 mm ² , 300 mm ² - 300 mm ²
GTIN (EAN)	4050118304978	
Qty.	20 ST	
Type	KRN-M16/-300 S	Version
Order No.	1494400000	cable lug, terminal end, 300 mm ² , 300 mm ² - 300 mm ²
GTIN (EAN)	4050118303889	
Qty.	5 ST	

16 mm²

The use of insulated connectors guarantees users consistent electrical connection quality in the long term.

- Wide range of insulated and non-insulated cable lugs and connectors
- Tubular cable lugs according to current market standards (Euroseries)
- Compression cable lugs acc. to DIN 46235
- Sheet metal cable lugs acc. to DIN 46234
- Insulated ring cable lugs to DIN 46237
- Insulated pin cable lugs to DIN 46231

General ordering data

Type	KP-M5/-16	Version
Order No.	1497920000	cable lug, terminal end, 16 mm ²
GTIN (EAN)	4050118307542	
Qty.	100 ST	
Type	KQN-M5/-16	Version
Order No.	1494070000	cable lug, terminal end, 16 mm ²
GTIN (EAN)	4050118303650	
Qty.	100 ST	
Type	KRN-M5/-16	Version
Order No.	1496970000	cable lug, terminal end, 16 mm ² , 16 mm ² - 16 mm ²
GTIN (EAN)	4050118306569	
Qty.	100 ST	