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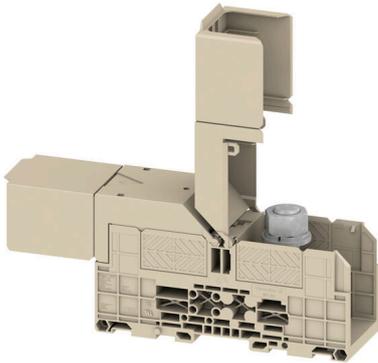
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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.
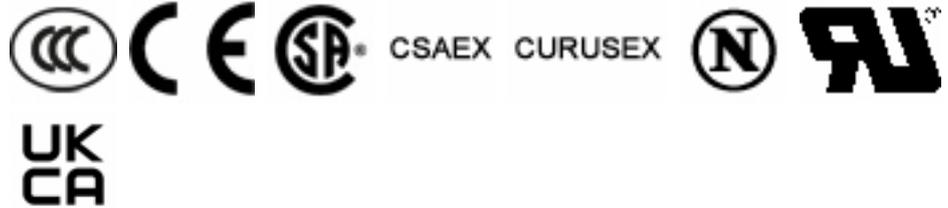
General ordering data

Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 300 mm², Threaded stud connection
Order No.	1029700000
Type	WFF 300/AH
GTIN (EAN)	4008190088347
Qty.	2 items

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	592.51 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

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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Catalogue status / Drawings

WFF 300/AH

Technical data

Wire cross section min. (CSA)	6 AWG		

Conductors for clamping (rated connection)

Cable lug to DIN 46234	25...240 mm²	Cable lug to DIN 46235	50...300 mm²
Connection direction	on side	Tightening torque, max.	60 Nm
Tightening torque, min.	25 Nm	Type of connection	Threaded stud connection
Number of connections	2	Clamping range, max.	300 mm²
Clamping range, min.	25 mm²	Wire connection cross section AWG, min.	AWG 4
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	25 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	25 mm²
Wire connection cross section, finely stranded, max.	300 mm²	Wire connection cross section, finely stranded, min.	25 mm²
Connection cross-section, stranded, max.	300 mm²	Connection cross-section, stranded, min.	25 mm²
Stud size for spade connection	M 16	Wire connection cross-section, solid core, max.	300 mm²
Wire connection cross-section, solid core, min.	25 mm²	Connection cross-section, finely stranded, min.	25 mm²
2 x cable lugs DIN 46 235	50...240 mm²	2 x cable lugs DIN 46 234	25 to 240 mm²

General

Wire connection cross section AWG, min.	AWG 4	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	300 mm²	Rated voltage	1000 V
Rated DC voltage	1500 V	Nominal current	520 A
Current at maximum wires	520 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.06 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	16.64 W	Pollution severity	3

UL rating data

Conductor size Factory wiring max. (UR)	600 kcmil	Current size C (UR)	500 A
Voltage size C (UR)	1000 V	Conductor size Factory wiring min. (UR)	6 AWG
Certificate No. (UR)	E60693	Conductor size Field wiring min. (UR)	6 AWG
Conductor size Field wiring max. (UR)	600 kcmil		

Classifications

ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

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Drawings

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

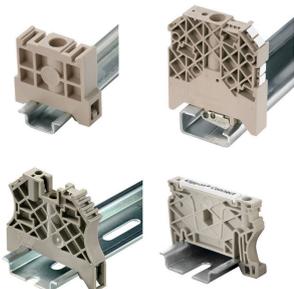| Type	WQL 2 WFF300	Version	
Order No.	1065300000	Bolt-type screw terminals, Cross-connector, Number of poles: 2	
GTIN (EAN)	4008190110000		
Qty.	5 ST		
Type	WQL 3 WFF300	Version	
Order No.	1065800000	Bolt-type screw terminals, Cross-connector, Number of poles: 3	
GTIN (EAN)	4008190031312		
Qty.	5 ST		

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.

Accessories

General ordering data

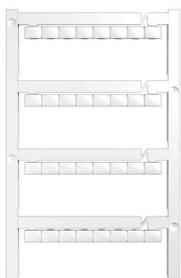| Type	WEW 35/1	Version	
Order No.	1059000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C	
GTIN (EAN)	4008190172282		
Qty.	50 ST		

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	Weidmueller, 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	Weidmueller, 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 snaped 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		

Testadapter and testsockets

Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

Type	PS 4 F.STB 4	Version	
Order No.	0299600000	Test adapter (terminal), 230 V	
GTIN (EAN)	4008190074043		
Qty.	20 ST		

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Accessories

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

General ordering data

Type	DEK 5/7.5 MM WS	Version	
Order No.	2619920000	Dekafix, Terminal marker, 5 x 7.5 mm, Weidmueller, 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, Weidmueller, white	
GTIN (EAN)	4050118626155		
Qty.	600 ST		