Weidmüller

Weidmüller Interface GmbH & Co. KG

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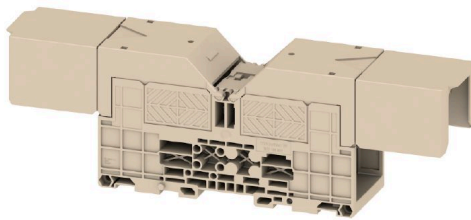
To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting 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: 185 mm², Threaded stud connection, Direct mounting, TS 35
Order No.	1049250000
Type	WFF 185 NFF
GTIN (EAN)	4050118255133
Qty.	2 items

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Technical data

Approvals

Approvals	CE UK CA
ROHS	Conform

Dimensions and weights

Depth	77.2 mm	Depth (inches)	3.0394 inch
Height	163 mm	Height (inches)	6.4173 inch
Width	55 mm	Width (inches)	2.1654 inch
Net weight	553 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		

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	Installation advice	Direct mounting, TS 35
Explosion-tested version	No		

Conductors for clamping (rated connection)

Cable lug to DIN 46234	10...240 mm²	Cable lug to DIN 46235	25...240 mm²
Wire connection cross section AWG, max.	kcmil 500	Connection direction	on side
Tightening torque, max.	60 Nm	Tightening torque, min.	50 Nm
Type of connection	Threaded stud connection	Number of connections	2
Clamping range, max.	240 mm²	Clamping range, min.	10 mm²
Clamping range, bolted connection , max.	240.00 mm²	Clamping range, bolted connection , min.	10 mm²
Wire connection cross section AWG, min.	AWG 6	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	10 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	10 mm²	Wire connection cross section, finely stranded, max.	240 mm²

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Technical data

Wire connection cross section, finely stranded, min.	10 mm²	Connection cross-section, stranded, max.	240 mm²
Connection cross-section, stranded, min.	10 mm²	Stud size for spade connection	M 12
Wire connection cross-section, solid core, max.	240 mm²	Wire connection cross-section, solid core, min.	10 mm²
Connection cross-section, finely stranded, min.	10 mm²	2 x cable lugs DIN 46 235	25...185 mm²
2 x cable lugs DIN 46 234	10...185 mm²		

Dimensions

TS 35 offset	81.5 mm

General

Wire connection cross section AWG, max.	kcmil 500	Installation advice	Direct mounting, TS 35
Wire connection cross section AWG, min.	AWG 6	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	185 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	353 A
Current at maximum wires	353 A	Standards	IEC 60947-7-1
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	11.30 W		

Classifications

ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	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	ECLASS 12.0	27-14-11-20
ECLASS 13.0	27-25-01-01	ECLASS 14.0	27-25-01-01
ECLASS 15.0	27-25-01-01		

WFF 185 NFF

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

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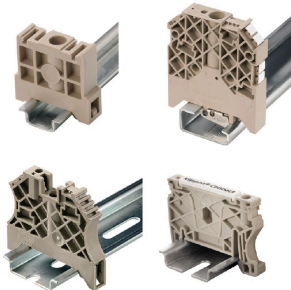
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

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		

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.

Accessories

General ordering data

Type	WZAF 185	Version	
Order No.	1066400000	Auxiliary connection (terminal)	
GTIN (EAN)	4008190031985		
Qty.	10 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		

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 ST		

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Accessories

Blank

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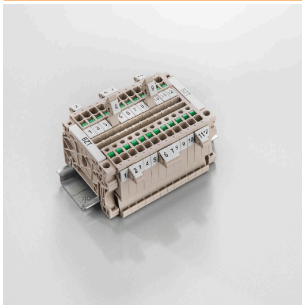
The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found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

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Accessories

WS 12/6.5
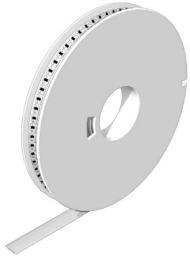
WS/ DEK
MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate 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 ST		