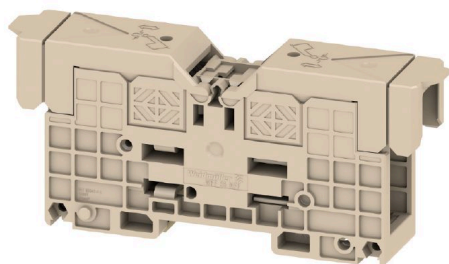**WFF 35 NFF**

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: 35 mm², Threaded stud connection, Direct mounting, TS 35
Order No.	1049220000
Type	WFF 35 NFF
GTIN (EAN)	4050118255164
Qty.	5 items

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	51 mm	Depth (inches)	2.0079 inch
Height	107 mm	Height (inches)	4.2126 inch
Width	27 mm	Width (inches)	1.063 inch
Net weight	101.1 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	2.5...50 mm²	Cable lug to DIN 46235	6...25 mm²
Wire connection cross section AWG, max.	AWG 1	Connection direction	on side
Tightening torque, max.	7 Nm	Tightening torque, min.	5.8 Nm
Type of connection	Threaded stud connection	Number of connections	2
Clamping range, max.	50 mm²	Clamping range, min.	2.5 mm²
Clamping range, bolted connection , max.	50.00 mm²	Clamping range, bolted connection , min.	2.5 mm²
Wire connection cross section AWG, min.	AWG 14	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	2.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	2.5 mm²	Wire connection cross section, finely stranded, max.	50 mm²

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Technical data

Wire connection cross section, finely stranded, min.	2.5 mm²	Connection cross-section, stranded, max.	50 mm²
Connection cross-section, stranded, min.	2.5 mm²	Wire connection cross-section, solid core, max.	50 mm²
Wire connection cross-section, solid core, min.	2.5 mm²	Connection cross-section, finely stranded, min.	2.5 mm²
2 x cable lugs DIN 46 235	6...25 mm²	2 x cable lugs DIN 46 234	2.5 to 35 mm²

Dimensions

TS 35 offset	53.5 mm

General

Wire connection cross section AWG, max.	AWG 1	Installation advice	Direct mounting, TS 35
Wire connection cross section AWG, min.	AWG 14	Standards	IEC 60947-7-1
Mounting rail	TS 35		

Rating data

Rated cross-section	35 mm²	Rated voltage	500 V
Rated DC voltage	500 V	Nominal current	125 A
Current at maximum wires	125 A	Standards	IEC 60947-7-1
Volume resistance according to IEC 60947-7-x	0.26 mΩ	Rated impulse withstand voltage	8 kV
Power loss in accordance with IEC 60947-7-x	4.00 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		

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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 WFF35	Version	
Order No.	1064900000	Bolt-type screw terminals, Cross-connector, Number of poles: 2	
GTIN (EAN)	4008190112745		
Qty.	5 ST		
Type	WQL 3 WFF35	Version	
Order No.	1065400000	Bolt-type screw terminals, Cross-connector, Number of poles: 3	
GTIN (EAN)	4008190065812		
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 35	Version	
Order No.	1070500000	Auxiliary connection (terminal)	
GTIN (EAN)	4008190024512		
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.

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Accessories

General ordering data

| Type	WAP WFF35	Version	
Order No.	1069700000	Bolt-type screw terminals, Cover plate, dark beige, 2 mm	
GTIN (EAN)	4008190104023		
Qty.	20 ST		

End plates and partition plates

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

Type	WTW WFF35	Version	
Order No.	1067100000	Bolt-type screw terminals, Partition plate, grey, 2 mm	
GTIN (EAN)	4008190053253		
Qty.	10 ST		

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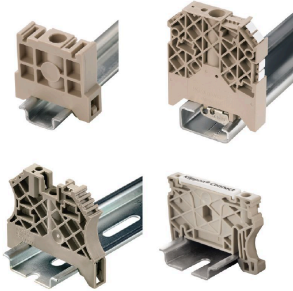
Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

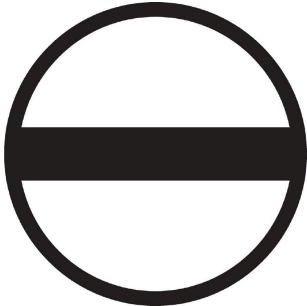| Type	WEW 35/1	Version	
Order No.	1059000000	End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C	
GTIN (EAN)	4008190172282		
Qty.	50 ST		

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Weidmüller

Accessories

Slotted screwdriver

VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 0.6X3.5X100	Version	
Order No.	9008390000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056354		
Qty.	1 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 35	Version	
Order No.	1064460000	Bolt-type screw terminals, Hood, beige, 26 mm	
GTIN (EAN)	4008190176587		
Qty.	20 ST		
Type	WAH 35 BL	Version	
Order No.	1064480000	Bolt-type screw terminals, Hood, blue, 26 mm	
GTIN (EAN)	4008190113308		
Qty.	20 ST		

Mounting support

We offer a broad portfolio of mounting support for easy handling and supplementation of our products. From various tools to insulating sleeves and various screws, our components are matched to each other down to the last detail and thus facilitate assembly in compliance with the respective standards and protective regulations.

Accessories

General ordering data

Type	KISC M6X16-Z3	Version	
Order No.	1063700000	SAK Series, Mounting screw, Steel	
GTIN (EAN)	4008190120887		
Qty.	20 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 5/5 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		
Type	WS 12/5 MC NE WS	Version	
Order No.	1609860000	WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,	
GTIN (EAN)	4008190203481	Allen-Bradley, white	
Qty.	720 ST		

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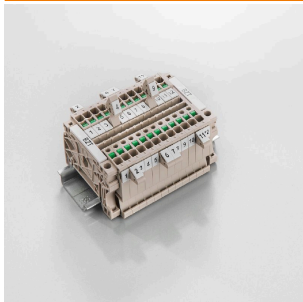
The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snaped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found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

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Accessories

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

WS 12/5

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 12/5 MM WS	Version	
Order No.	2007190000	WS, Terminal marker, 12 x 5 mm, Weidmueller, white	
GTIN (EAN)	4050118392036		
Qty.	800 ST		

Creation date 26.11.2025 04:21:09 MEZ