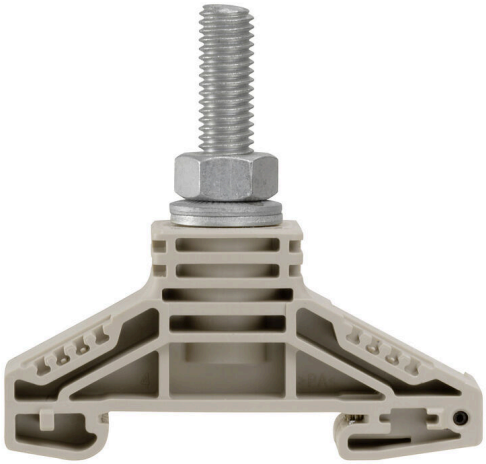
Data sheet

WF 8

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 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: 50 mm², Threaded stud connection, PA 66/6
Order No.	1780860000
Type	WF 8
GTIN (EAN)	4032248219346
Qty.	25 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693

Dimensions and weights

Depth	63.5 mm	Depth (inches)	2.5 inch
Height	67 mm	Height (inches)	2.6378 inch
Width	22.8 mm	Width (inches)	0.8976 inch
Net weight	46.17 g		

Temperatures

Continuous operating temp., min.	-60 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

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

Material data

Basic material	Wemid	Insulating material	PA 66/6
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	1
Levels cross-connected internally	No	Mounting rail	TS 35

Additional technical data

Explosion-tested version	Yes

CSA rating data

Wire cross section max. (CSA)	0 AWG	Voltage size C (CSA)	1000 V
Current size C (CSA)	200 A	Certificate No. (CSA)	200039-1244019
Wire cross section min. (CSA)	14 AWG		

Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 0	Connection direction	on side
Tightening torque, max.	12 Nm	Tightening torque, min.	6 Nm
Type of connection	Threaded stud connection	Number of connections	1
Clamping range, max.	50 mm²	Clamping range, min.	2.5 mm²

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Technical data

Wire connection cross section AWG, min.	AWG 12	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
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

General

Wire connection cross section AWG, max.	AWG 0	Wire connection cross section AWG, min.	AWG 12
Standards	IEC 60947-7-1	Mounting rail	TS 35

Rating data

Rated cross-section	50 mm²	Rated voltage	1000 V
Rated DC voltage	1000 V	Nominal current	150 A
Current at maximum wires	150 A	Standards	IEC 60947-7-1

UL rating data

Conductor size Factory wiring max. (UR)	0 AWG	Current size C (UR)	150 A
Voltage size C (UR)	1000 V	Conductor size Factory wiring min. (UR)	14 AWG
Certificate No. (UR)	E60693		

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

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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 WF8	Version
Order No.	1780990000	Bolt-type screw terminals, Cross-connector, Number of poles: 2
GTIN (EAN)	4032248219414	
Qty.	5 ST	

Type	WQL 3 WF8	Version
Order No.	1781000000	Bolt-type screw terminals, Cross-connector, Number of poles: 3
GTIN (EAN)	4032248241200	
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 70	Version
Order No.	1066200000	Auxiliary connection (terminal)
GTIN (EAN)	4008190169831	
Qty.	10 ST	

End plates and partition plates

Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

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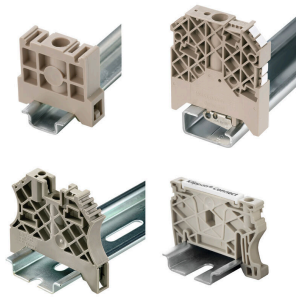
Accessories

General ordering data

Type	WTW WF8	Version
Order No.	1780900000	Bolt-type screw terminals, Partition plate, dark beige, 3 mm
GTIN (EAN)	4032248219384	
Qty.	20 ST	

Type	WTW WF8 2300	Version
Order No.	1780910000	Bolt-type screw terminals, Partition plate, grey, 2 mm
GTIN (EAN)	4032248241132	
Qty.	20 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 35/2	Version
Order No.	1061200000	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4008190030230	
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	ADP WF6/WF8	Version
Order No.	1780930000	Bolt-type screw terminals, Cover profile, Transparent, 1000 mm
GTIN (EAN)	4032248241248	
Qty.	1 M	

Type	HA ADP WF6/WF10	Version
Order No.	1781050000	Bolt-type screw terminals, Cover profile, dark beige, 2.2 mm
GTIN (EAN)	4032248241231	
Qty.	10 ST	

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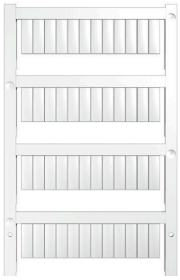
General ordering data

Type	WTW WF6-WF12	Version
Order No.	1781240000	Bolt-type screw terminals, Partition plate, dark beige, 2.5 mm
GTIN (EAN)	4032248241156	
Qty.	20 ST	

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 15/5 MC NE WS	Version
Order No.	1609880000	WS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190203504	Allen-Bradley, white
Qty.	480 ST	
Type	DEK 5/6 MC NE WS	Version
Order No.	1609820000	Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00
GTIN (EAN)	4008190203436	Weidmueller, white
Qty.	1000 ST	

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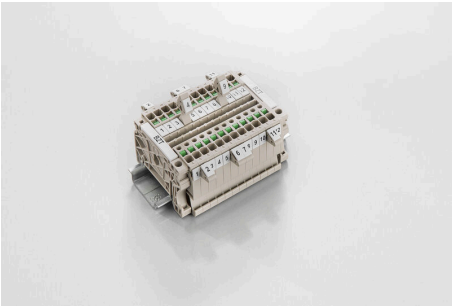
Accessories

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	

DEK 5/6

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 5/6 MM WS	Version
Order No.	2007120000	Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white
GTIN (EAN)	4050118392104	
Qty.	600 ST	

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General ordering data

Type	WQL 4 WF8-6/3	Version
Order No.	1904960000	Bolt-type screw terminals, Cross-connector, Cross-connector, Number
GTIN (EAN)	4032248756780	of poles: 4
Qty.	5 ST	

50 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-M8/-50	Version
Order No.	1498070000	cable lug, terminal end,50 mm²
GTIN (EAN)	4050118307566	
Qty.	100 ST	
Type	KQN-M8/-50	Version
Order No.	1493150000	cable lug, terminal end,50 mm²
GTIN (EAN)	4050118302868	
Qty.	50 ST	
Type	KRN-M8/-50	Version
Order No.	1496600000	cable lug, terminal end,50 mm²,50 mm² - 50 mm²
GTIN (EAN)	4050118306149	
Qty.	100 ST	
Type	KRN-M8/-50 S	Version
Order No.	1494830000	cable lug, terminal end,50 mm²,50 mm² - 50 mm²
GTIN (EAN)	4050118304404	
Qty.	25 ST	