Bolt-type screw terminals
WF 8/2BZ

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



The comprehensive range of bolt-type screw terminals offers secure connections for all power transmission applications.
Connections from 10 mm² to 300 mm² are possible. The conductors are attached to the terminals using crimped cable lugs and each connection secured by tightening the hexagonal nut.
Bolt-type screw terminals with threads from M5 to M16 can be used depending on the conductor cross-section.
A low voltage drop and the use of a self-extinguishing material with a V-0 (UL 94) flammability rating guarantee maximum safety.
All bolt-type screw terminals have been tested according to international railway standards (EN 50343, EN 50155, NF F61-017, NF16-101; Ria 20) and comply with the requirements of those standards.

General ordering data

Order No.	1789780000
Type	WF 8/2BZ
Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 50 mm², Threaded stud connection
GTIN (EAN)	4032248251148
Qty.	25 pc(s).

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Technical data

Dimensions and weights

Length	67 mm	Width	22.8 mm
Height	63.5 mm	Height of lowest version	65 mm
Net weight	121.554 g		

Temperatures

Operating temperature		Storage temperature	
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	120 °C

Additional technical data

Explosion-tested version	No	Open sides	Open
Type of mounting	Snap-on		

Clampable wires (rated connection)

Type of connection	Threaded stud connection	Clamping range, rated connection, min.	2.5 mm²
Clamping range, rated connection, max.	50 mm²	Tightening torque, min.	6 Nm
Tightening torque, max.	12 Nm	Wire connection cross section, finely stranded, max.	50 mm²
Wire connection cross-section, finely stranded, min.	2.5 mm²		

Rated data

Rated cross-section	50 mm²	Rated voltage	1,000 V
Rated impulse withstand voltage	8 kV	Rated current	150 A
Current at maximum wires	150 A	Pollution severity	3

Stud connection

Tightening torque, min.	6 Nm	Tightening torque, max.	12 Nm
Stud size for spade connection	M 8	Cable lug to DIN 46234	2.5...50 mm²
Cable lug to DIN 46235	6...35 mm²	Clamping range, bolted connection , min.	2.5 mm²
Clamping range, bolted connection , max.	50 mm²		

UL ratings data

Certificate No. (cURus)	E60693VOL1SEC43	Conductor size Factory wiring max. (cURus)	0 AWG
Current size C (cURus)	150 A	Voltage size C (cURus)	1000 V
Certificate No. (UR)	E60693VOL1SEC43	Voltage size C (UR)	1000 V
Current size C (UR)	150 A	Conductor size Factory wiring max. (UR)	0 AWG
Conductor size Factory wiring min. (UR)	14 AWG	Conductor size Field wiring max. (UR)	0 AWG

Material data

Material	Wemid	Colour	Dark Beige
UL 94 flammability rating	V-0		

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Technical data

System specifications

Product family	Bolt-type screw terminals	Type of connection	Threaded stud connection
Number of levels	1	No. of clamping points per level	2
Levels cross-connected internally	No	Mounting rail	TS 35

Classifications

ETIM 3.0	EC002020	UNSPSC	30-21-18-01
eClass 6.2	27-14-11-20	eClass 7.1	27-14-11-20

Product information

Descriptive text ordering data	1000 V UL and CSA for usage groups B and C: can be used with isolating DIN rails and when using WTW-type partitions.
Descriptive text accessories	With WTW...2300 made from epoxy resin, rated current 2300 V according to prelim. EN 50124 pt 1

Approvals

Approvals	
ROHS	Conform

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Drawings



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Accessories

WQL WF



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General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1781000000	WQL 3 WF8	Bolt-type screw terminals, Accessories, Cross-connector, No. of poles: 3	4032248241200	5 pc(s).
1780990000	WQL 2 WF8	Bolt-type screw terminals, Accessories, Cross-connector, No. of poles: 2	4032248219414	5 pc(s).

WF shrouding cover



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General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1780940000	ADP WF10/WF12	Bolt-type screw terminals, Accessories, Transparent	4032248241255	1 m

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Accessories

1781050000	HA ADP WF6/WF10	Bolt-type screw terminals, Accessories, Dark Beige, 2.2 mm	4032248241231	10 pc(s).

Blank

WS markers are the perfect match for 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 laser printer , PrintJet ADVANCED , plotter or MC-Mobilo is possible.
- Can be fitted in strips or singly
- Markers in proven MultiCard format

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1609880000	WS 15/5 MC NE WS	Terminal markers, MultiCard, 15 x 5 mm, Polyamide, Colour: White	4008190203504	480 pc(s).

Blank

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- Can be fitted in strips or singly
- Markers in proven MultiCard format

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1635000000	WS 10/5 MC NE WS	Terminal markers, MultiCard, 10 x 5 mm, Polyamide 66, Colour: White	4008190261948	720 pc(s).

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Accessories

for TS 35 terminal rail



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

Order No.	Type	Version	GTIN (EAN)	Qty.
1061200000	WEW 35/2	Accessories, End bracket	4008190030230	100 pc(s).

WTW WF



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General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
1780910000	WTW WF8 2300	Bolt-type screw terminals, Accessories, Partition plate, Grey, 3 mm	4032248241132	20 pc(s).
1780890000	WTW WF10/WF12	Bolt-type screw terminals, Accessories, Partition plate, Dark Beige, 3 mm	4032248219391	20 pc(s).