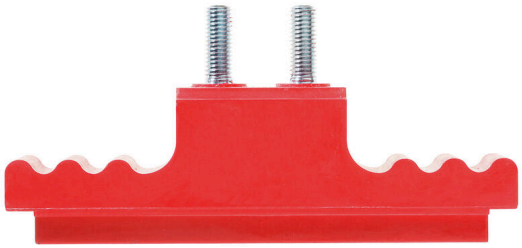
Data sheet

ST 4000/L M10

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Thanks to the ring cable lug connection system, which is a proven railway technology, our ST 4000® high-voltage terminals provide you with a modular system that is both globally recognised and easy to install in all four corners of the world.
The products have been tested and comply with the requirements set down in the professional standards EN 50155, EN 50124-1, EN 45545 and IEC 61373. Our products are continuously monitored and further developed.

General ordering data

Version	Bolt-type screw terminals, Feed-through terminal, Rated cross-section: 185 mm², Screw connection, Direct mounting
Order No.	1809150000
Type	ST 4000/L M10
GTIN (EAN)	4032248293476
Qty.	15 items
Delivery status	This article will no longer be available in the future.

Data sheet

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Height	180 mm	Height (inches)	7.0866 inch
Width	55 mm	Width (inches)	2.1654 inch
Net weight	687.1 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

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

Material data

Basic material	Glass fibre reinforced epoxy resin	Colour	red
UL 94 flammability rating	V-0		

System specifications

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	Mounting plate

Additional technical data

Installation advice	Direct mounting	Explosion-tested version	No
Type of mounting	when screwed in		

Conductors for clamping (rated connection)

Cable lug to DIN 46234	10 - 150 mm²	Cable lug to DIN 46235	25 - 150 mm²
Wire connection cross section AWG, max.	kcmil 250	Connection direction	on side
Tightening torque, max.	35 Nm	Tightening torque, min.	33 Nm
Type of connection	Screw connection	Number of connections	2
Clamping range, max.	185 mm²	Clamping range, min.	16 mm²
Clamping range, bolted connection , max.	185.00 mm²	Clamping range, bolted connection , min.	16 mm²
Wire connection cross section AWG, min.	AWG 4	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	16 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	16 mm²	Wire connection cross section, finely stranded, max.	185 mm²
Wire connection cross section, finely stranded, min.	16 mm²	Connection cross-section, stranded, min.	16 mm²
Stud size for spade connection	M 10	Wire connection cross-section, solid core, min.	16 mm²

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Technical data

Connection cross-section, finely stranded, min.	16 mm²		

General

Wire connection cross section AWG, max.	kcmil 250	Installation advice	Direct mounting
Wire connection cross section AWG, min.	AWG 4	Mounting rail	Mounting plate

Rating data

Rated cross-section	185 mm²	Rated voltage	4000 V
Voltage with epoxy resin partition plate	4000 V	Nominal current	505 A
Current at maximum wires	505 A	Volume resistance according to IEC 60947-7-x	0.1 mΩ
Rated impulse withstand voltage	30 kV	Impulse voltage with epoxy resin partition plate	30 kV
Power loss in accordance with IEC 60947-7-x	11.30 W	Pollution severity	3

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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Accessories

Cross-connection, large



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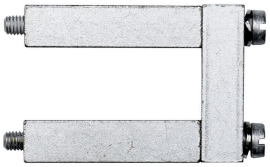
General ordering data

Type	ST 4000/L J2 M10	Version
Order No.	1809370000	Bolt-type screw terminals, Cross-connector, Rated cross-section:
GTIN (EAN)	4032248293803	
Qty.	50 ST	

Type	ST 4000/L J4 M10	Version
Order No.	1809390000	Bolt-type screw terminals, Cross-connector, Rated cross-section:
GTIN (EAN)	4032248293827	
Qty.	25 ST	

Current bar



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General ordering data

Type	ST 4000/L CB M10/4	Version
Order No.	1809280000	Bolt-type screw terminals, Busbar, Rated cross-section:
GTIN (EAN)	4032248293605	
Qty.	100 ST	

Connecting piece



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Accessories

General ordering data

Type	ST 4000/L C160	Version
Order No.	1809240000	Bolt-type screw terminals, Rated cross-section: when screwed in
GTIN (EAN)	4032248293568	
Qty.	50 ST	

Labelling plates



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General ordering data

Type	ST 4000/L M M10	Version
Order No.	1809450000	Bolt-type screw terminals, Marking tags, Rated cross-section:
GTIN (EAN)	4032248293889	
Qty.	150 ST	

Partition plate



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General ordering data

Type	ST 4000/L P180	Version
Order No.	1809200000	Bolt-type screw terminals, Partition plate, Rated cross-section: when
GTIN (EAN)	4032248293520	screwed in
Qty.	1 ST	

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Accessories

End plate



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General ordering data

Type	ST 4000/L E180	Version
Order No.	1809220000	Bolt-type screw terminals, End plate, Rated cross-section:
GTIN (EAN)	4032248293544	
Qty.	50 ST	

Cover

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General ordering data

Type	ST 4000/L S180	Version
Order No.	1809480000	Bolt-type screw terminals, Cover, Rated cross-section:
GTIN (EAN)	4032248293919	
Qty.	1 ST	

Type	ST 4000/L S180 L	Version
Order No.	1809500000	Bolt-type screw terminals, Cover, Rated cross-section:
GTIN (EAN)	4032248293933	
Qty.	50 ST	