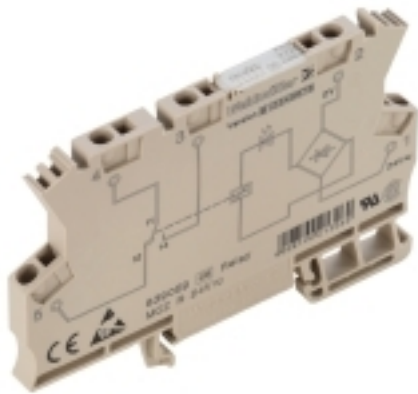


MCZ-SERIES TRAK MCZ R 48...110Vdc 1NO TRAK

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



Similar to illustration

The MCZ R relay couplers, with a width of only 6 mm, are the thinnest in their class.

They are distinguished by the following features:

- Tension clamp connection
- Integrated cross-connection in input/output.
Clampable conductor cross-section is 0.5 to 1.5 mm²

General ordering data

Type	MCZ R 48...110Vdc 1NO TRAK
Order No.	8574070000
Version	MCZ-SERIES TRAK, Relay module, Number of contacts: 1 NO contact AgSnO, Rated control voltage: 48 V...110 V DC +25 % / -30 %, Continuous current: 6 A, Tension-clamp connection
GTIN (EAN)	4032248232932
Qty.	10 pc(s).

Creation date May 1, 2020 7:18:03 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Width	6.1 mm	Width (inches)	0.24 inch
Height	91 mm	Height (inches)	3.583 inch
Depth	63.2 mm	Depth (inches)	2.488 inch
Net weight	27.2 g		

Temperatures

Humidity	95 % for 30 days, minimal condensation to EN 50155	Operating temperature, max.	70 °C
Operating temperature, min.	-25 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	Operating temperature	-25 °C...70 °C
Note: room temperature (service)	+85 °C for 10 minutes	Storage temperature	-40 °C...85 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Rated control voltage	48...110 V DC + 25 % / - 30 %	Rated current DC	< 3 mA
Power rating	< 300 mW	Pull-in/drop-out voltage, typ.	25 V / 6 V DC
Status indicator	Green LED	Protective circuit	Free-wheeling diode, Varistor, Reverse polarity protection
Max. reset time after voltage interruption	10 ms		

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Continuous current	6 A
Inrush current	6 A	AC switching capacity (resistive), max.	1500 VA
DC switching capacity (resistive), max.	120 W @ 24 V	Switch-on delay	< 4 ms
Switch-off delay	< 100 ms	Min. switching power	100 mA @ 12 V
Max. switching frequency at rated load	0.1 Hz		

Contact data

Contact type	1 NO contact (AgSnO)	Mechanical service life	10 x 10 ⁶ switching cycles
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General data

Version	for railway applications	Rail	TS 35
Test button	No	Mechanical switch position indicator	No
Open sides	right	Colour	beige
UL 94 flammability rating	V-0		

Insulation coordination

Rated voltage	300 V	Surge voltage category	III
Pollution severity	2	Protection degree	IP20
Dielectric strength, Input/Output	4 kV _{eff} / 1 s	Creepage and clearance distance input - output	≥ 5.5 mm
Dielectric strength to mounting rail	4 kV _{eff} / 1 Min.	Impulse withstand voltage	4 kV (1.2/50 µs)

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Technical data**Further details of approvals / standards**

Standards	DIN EN 50178, DIN EN 50155
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Connection data

Wire connection method	Tension-clamp connection	Stripping length, rated connection	8 mm
Clamping range, rated connection	1.5 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	1.5 mm ²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 16	Wire cross-section, solid, min.	0.5 mm ²
Wire cross-section, solid, max.	1.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	1.5 mm ²	Wire cross-section, finely stranded, min. (AWG)	AWG 26
Wire cross-section, finely stranded, max. (AWG)	AWG 16	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm ²	Blade size	0.6 x 3.5 mm

Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
eClass 9.0	27-37-16-01	eClass 9.1	27-37-16-01
eClass 10.0	27-37-16-01	UNSPSC	30-21-19-17

Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
User Documentation	Beipackzettel / Package Insert – multilingual

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Accessories
ZQV 2.5N

Spring connection with tension clamp Technology

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

General ordering data

Type	ZQV 2.5N/20 SW	Version
Order No.	1909130000	Z-series, Cross-connector, For the terminals, Number of poles: 20
GTIN (EAN)	4032248535910	
Qty.	20 pc(s).	

Slotted screwdriver


VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

Type	SDIS SL 0.6X3.5X100	Version
Order No.	1274660000	Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm
GTIN (EAN)	4050118072631	
Qty.	1 pc(s).	

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Accessories

ZQV 4N



Spring connection with tension clamp Technology

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

General ordering data

Type	ZQV 4N/3 SW	Version
Order No.	1794000000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248233793	
Qty.	60 pc(s).	
Type	ZQV 4N/4 GE	Version
Order No.	1762620000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248169771	
Qty.	60 pc(s).	
Type	ZQV 4N/4 BL	Version
Order No.	1794020000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248233816	
Qty.	60 pc(s).	
Type	ZQV 4N/10 SW	Version
Order No.	1794060000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248234059	
Qty.	20 pc(s).	
Type	ZQV 4N/3 BL	Version
Order No.	1793990000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248233786	
Qty.	60 pc(s).	
Type	ZQV 4N/4 SW	Version
Order No.	1794030000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248233915	
Qty.	60 pc(s).	
Type	ZQV 4N/2 SW	Version
Order No.	1793970000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248233762	
Qty.	60 pc(s).	
Type	ZQV 4N/2 GE	Version
Order No.	1758250000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248169795	
Qty.	60 pc(s).	
Type	ZQV 4N/10 GE	Version
Order No.	1758260000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248169764	
Qty.	20 pc(s).	
Type	ZQV 4N/20 RT	Version
Order No.	1909150000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248535934	
Qty.	20 pc(s).	

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Accessories

Type	ZQV 4N/20 GE	Version
Order No.	1909020000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248535644	
Qty.	20 pc(s).	
Type	ZQV 4N/2 RT	Version
Order No.	1793950000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248233748	
Qty.	60 pc(s).	
Type	ZQV 4N/3 RT	Version
Order No.	1793980000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248233779	
Qty.	60 pc(s).	
Type	ZQV 4N/2 BL	Version
Order No.	1793960000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248233755	
Qty.	60 pc(s).	
Type	ZQV 4N/20 BL	Version
Order No.	1909100000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248535774	
Qty.	20 pc(s).	
Type	ZQV 4N/10 RT	Version
Order No.	1794040000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248234004	
Qty.	20 pc(s).	
Type	ZQV 4N/3 GE	Version
Order No.	1762630000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248169788	
Qty.	60 pc(s).	
Type	ZQV 4N/10 BL	Version
Order No.	1794050000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248234011	
Qty.	20 pc(s).	
Type	ZQV 4N/4 RT	Version
Order No.	1794010000	Accessories, Cross-connector, 32 A
GTIN (EAN)	4032248233809	
Qty.	60 pc(s).	

Data sheet

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Accessories

Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip



General ordering data

Type	SDS 0.6X3.5X100	Version
Order No.	9008330000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm
GTIN (EAN)	4032248056286	
Qty.	1 pc(s).	

Accessories

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- Tension clamp connection
- Integrated cross-connection in input/output. Clampable conductor cross-section is 0.5 to 1.5 mm²



General ordering data

Type	AP MCZ1.5 1674	Version
Order No.	8389030000	End plate, OMNIMATE Housing - TERMINALBOX grey-beige, End plate, Width: 1.5 mm
GTIN (EAN)	4008190386849	
Qty.	50 pc(s).	

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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 laser printer, PrintJet ADVANCED, plotter or MC-Mobilo 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 10/6 MC NE WS	Version
Order No.	1828450000	WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4032248350513	Allen-Bradley, white
Qty.	600 pc(s).	

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, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4032248056354	thickness (A): 0.6 mm
Qty.	1 pc(s).	