

## MCZ SERIES

### MCZ O TRAK 24.110VDC

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
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The MCZ O optos, 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 mm<sup>2</sup>.

#### General ordering data

Order No.	<a href="#">8820710000</a>
Type	MCZ O TRAK 24.110VDC
Version	MCZ SERIES, Solid-state relay, Rated control voltage: 24...110 V DC -30 / +25 % , Rated switching voltage: 5...137.5 V DC, Rated switching current: 180 mA, Tension clamp connection
GTIN (EAN)	4032248522231
Qty.	10 pc(s).

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## Technical data

### Dimensions and weights

Width	6 mm	Height	91 mm
Depth	63.2 mm	Net weight	23.9 g

### Temperatures

Operating temperature	-25 °C...+70 °C	Storage temperature	-40 °C...+85 °C
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### Probability of failure

MTTF	2,359 Years
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### Connection data

Clamping range, rated connection	1.5 mm <sup>2</sup>	Clamping range, rated connection, min.	0.5 mm <sup>2</sup>
Clamping range, rated connection, max.	1.5 mm <sup>2</sup>		

### Control side

Rated control voltage	24...110 V DC -30 / +25 %	Nominal control current	2.8 mA DC
Input frequency	max. 10 Hz	Rated auxiliary voltage	No

### Load side

Rated switching voltage	5...137.5 V DC	Rated switching current	180 mA
Switch-on delay	≤ 10 ms	Switch-off delay	50 ms
Protective circuit, load side	Varistor, integrated free-wheel diode	Voltage drop at max. load	≤ 1.7 V
Load side status indicator	LED green	Short-circuit-proof	No
Rated auxiliary voltage	No		

### General data

Solid-state type	Transistor	No. of poles	1
Conductor connection system		Humidity	95 % for 30 days, minimal condensation to EN 50155
Standards	Tension clamp connection DIN EN 50178, EN 50155, UL508		

### Insulation coordination

Rated voltage	300 V	Clearance and creepage distances for control side - load side	≥ 5.5 mm
Impulse withstand voltage	6 kV	Pollution severity	2
Surge voltage category	III		

### Further details of approvals

Standards	DIN EN 50178, EN 50155, UL508
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**Technical data****Classifications**

ETIM 3.0	EC001504	UNSPSC	30-21-18-01
eClass 5.1	27-27-09-90	eClass 6.0	27-27-09-90
eClass 7.0	27-37-16-04		

**Approvals**

Approvals

**Downloads**

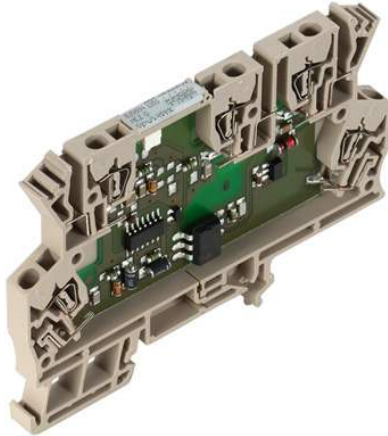
Declaration of Conformity [K287\\_04\\_11.pdf](#)  
[3-D model](#)

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**Drawings**

**Electric symbol**



**Derating curve**

