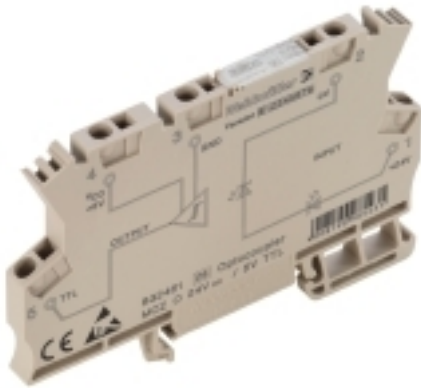


MCZ SERIES MCZ O 120VUC

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 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 mm².

General ordering data

Type	MCZ O 120VUC
Order No.	8421060000
Version	MCZ SERIES, Solid-state relay, Rated control voltage: 120 V UC +5 / -15 % , Rated switching voltage: 5...48 V DC, Tension clamp connection
GTIN (EAN)	4032248006045
Qty.	10 pc(s).

MCZ SERIES MCZ O 120VUC

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

Technische Daten

Dimensions and weights

Width	6 mm	Height	91 mm
Depth	63.2 mm	Net weight	22.5 g

Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature	-25 °C...+40 °C
Storage temperature	-40 °C...+60 °C		

Probability of failure

MTTF	2,415 Years
------	-------------

control side

Cut-in dropout voltage	65 V / 64 V AC 70 V / 64 V DC	Rated control voltage	120 V UC +5 / -15 %
Nominal control current	3 mA DC (±10 %), 3 mA AC (±10 %)	Power rating	350 mW / 400 mVA
Input frequency	AC: 5 Hz duty factor 1:2, DC: 20 Hz duty factor 1:2	Rated auxiliary voltage	No

Load side

Solid-state type	Transistor	Rated switching voltage	5...48 V DC
Continuous current	50 mA	Pulse load, max. current	< 150 mA / 10 ms
Switch-on delay	≤ 30 ms	Switch-off delay	≤ 40 ms
Leakage current	≤ 1 mA	Protective circuit, load side	Integrated free-wheel diode
Voltage drop at max. load	1.6 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
Wire connection method	Tension clamp connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Standards	DIN EN 50178, UL508	Wire cross-section, solid, max.	1.5 mm ²

Insulation coordination

Rated voltage	300 V	Clearance and creepage distances for control side - load side	≥ 5.5 mm
Dielectric strength for control side - load side	1.2 kV _{eff} / 5 s	Dielectric strength to mounting rail	4 kV _{eff} / 1 min.
Impulse withstand voltage	6 kV (1.2/50 μs)	Pollution severity	2
Surge voltage category	III		

Further details of approvals

Certificate No. (CSA)	154685-1198742	Certificate No. (cURus)	E141197
Standards	DIN EN 50178, UL508		

Datenblatt

**MCZ SERIES
MCZ O 120VUC**

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

Technische Daten

Connection data

Clamping range, rated connection	1.5 mm ²	Clamping range, rated connection, max.	1.5 mm ²
Clamping range, rated connection, min.	0.5 mm ²	Wire connection method	Tension clamp connection
Wire cross-section, solid, max.	1.5 mm ²		

Classifications

ETIM 3.0	EC001504	UNSPSC	30-21-18-01
eClass 5.1	27-27-09-90	eClass 6.2	27-27-09-90
eClass 7.1	27-27-09-90		

Product information

Descriptive text accessories	End plate AP MCZ 1.5: 8389030000 Accessories and dimensional drawings: refer to the MCZ Accessories page.
------------------------------	--------------------------------------------------------------------------------------------------------------

Approvals

Approvals



ROHS	Conform
------	---------

Downloads

Declaration of Conformity	K120_12_09.pdf
	3D Modell

Datenblatt

**MCZ SERIES
MCZ O 120VUC**

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

Zeichnungen

Electric symbol

