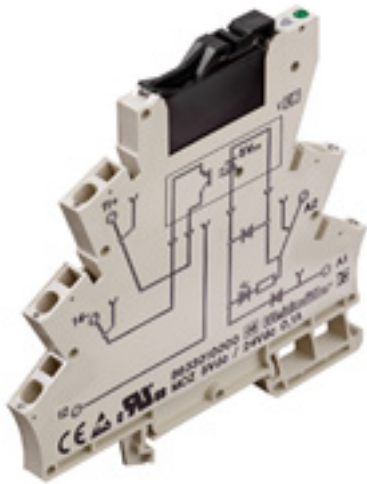


**MICROSERIES
MOZ 120V_{uc} / 24V_{dc} 0,1A**

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



Solid-state relays of the MICROSERIES are used for isolating and coupling digital signals.

They are characterised by the following features:

- 6.1 mm modular width
- Pluggable SSR
- Plug-in cross-connections at four potentials in input and output,
- innovative retention and ejection aid,
- LED operating indicator, reverse polarity protection diode, free-wheeling diode

General ordering data

Type	MOZ 120V _{uc} / 24V _{dc} 0,1A
Order No.	8607730000
Version	MICROSERIES, Solid-state relay, Rated control voltage: 120 V UC +10 % / -15 % , Rated switching voltage: 3... 48 V DC, Rated switching current: 0.1 A, Tension clamp connection
GTIN (EAN)	4032248267644
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	6.1 mm	Height	94 mm
Depth	94 mm	Net weight	32.3 g

Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature	-25 °C...+50 °C
Storage temperature	-40 °C...+60 °C		

Probability of failure

MTTF	3,041 Years
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control side

Rated control voltage	120 V UC +10 % / -15 %	Nominal control current	3.4 mA AC, 2.8 mA DC
Power rating	340 mW / 0.4 VA	Input frequency	DC: 10 Hz / AC: 3 Hz
Cut-in (switch-on) voltage	≥ 69 V AC, ≥ 67 V DC	Dropout voltage	≤ 64 V AC, ≤ 63 V DC
Status display on control side	Green LED		

Load side

Solid-state type	Bipolar transistor	Rated switching voltage	3... 48 V DC
Continuous current	0.1 A	Rated switching current	0.1 A
Switch-on delay	< 6.5 ms	Switch-off delay	< 10 ms
Leakage current	< 10 µA	Voltage drop at max. load	≤ 1 V
Short-circuit-proof	No		

General data

Solid-state type	Bipolar transistor	No. of poles	1
Wire connection method	Tension clamp connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Standards	DIN EN 50178, UL508		

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	2.5 KV _{eff} / 1 min.	Dielectric strength to mounting rail	4 KV _{eff} / 1 min.
Impulse withstand voltage	4 kV (1.2/50 µs)	Pollution severity	2
Surge voltage category	III		

Further details of approvals

Standards	DIN EN 50178, UL508
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Connection data

Clamping range, rated connection	1.5 mm ²	Clamping range, rated connection, max.	2.5 mm ²
Clamping range, rated connection, min.	0.5 mm ²	Wire connection method	Tension clamp connection

Data sheet

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Technical data

Classifications

ETIM 3.0	EC001504	eClass 6.2	27-27-09-90
eClass 7.1	27-27-09-90		

Product information

Descriptive text technical data	Cross-connectors and markers - refer to MICROSERIES accessories
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Approvals

Approvals



ROHS	Conform
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Downloads

Declaration of Conformity	K233_12_10.pdf
EPLAN	8607730000.ema
3-D model	

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www.weidmueller.com**Drawings****Electric symbol**