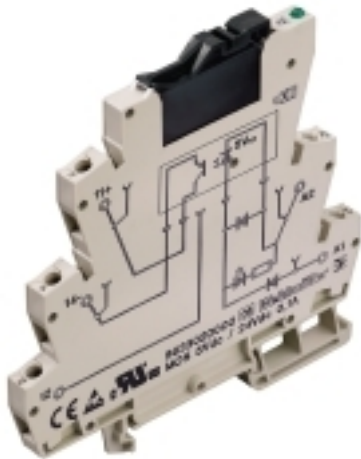


## MICROSERIES MOS 230Vac / 24Vdc 0,1A

**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	MOS 230Vac / 24Vdc 0,1A
Order No.	<a href="#">8607710000</a>
Version	MICROSERIES, Solid-state relay, Rated control voltage: 230 V AC $\pm 10\%$ , Rated switching voltage: 3... 48 V DC, Rated switching current: 0.1 A, Screw connection
GTIN (EAN)	4032248267613
Qty.	10 pc(s).

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## Technische Daten

### Dimensions and weights

Width	6.1 mm	Height	93 mm
Depth	94 mm	Net weight	33.77 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	2,518 years
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### control side

Cut-in dropout voltage	78 V / 126 V AC	Rated control voltage	230 V AC ±10 %
Nominal control current	7.4 mA AC	Power rating	1.7 VA
Input frequency	max. 10 Hz	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	Screw 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 <sub>eff</sub> / 1 min.	Dielectric strength to mounting rail	4 kV <sub>eff</sub> / 1 min.
Impulse withstand voltage	4 kV (1.2/50 µs)	Pollution severity	2
Surge voltage category	III		

### Further details of approvals

Certificate no. (cULus)	E141197	Standards	DIN EN 50178, UL508
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### Connection data

Clamping range, rated connection	2.5 mm <sup>2</sup>	Clamping range, rated connection, max.	4 mm <sup>2</sup>
Clamping range, rated connection, min.	0.5 mm <sup>2</sup>	Wire connection method	Screw connection

**Datenblatt**

**MICROSERIES**  
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**Technische Daten**

**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 technical data      Cross-connectors and markers - refer to MICROSERIES accessories

**Approvals**

Approvals



ROHS      Conform

**Downloads**

Declaration of Conformity	<a href="#">K233_12_10.pdf</a>
EPLAN	<a href="#">8607710000.ema</a>
<a href="#">3D Modell</a>	

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**Zeichnungen****Electric symbol**