

MICROSERIES
MOS 24Vdc / 24Vdc ACT
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

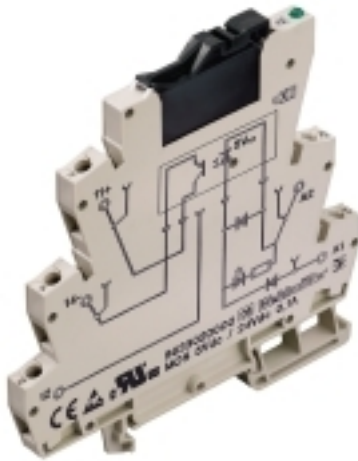
D-32758 Detmold

Germany

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www.weidmueller.com



Similar to illustration

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

Delivery status	Discontinued
Available until	2016-06-30
Type	MOS 24Vdc / 24Vdc ACT
Order No.	8676250000
Version	MICROSERIES, solid-state relays, 1 NO contact (MOS-FET), Rated control voltage: 24 V DC $\pm 20\%$, Rated switching voltage: 3...33 V DC, Continuous current: 2 A, Screw connection
GTIN (EAN)	4032248341016
Qty.	10 pc(s).
Alternative product	1391680000

Creation date August 8, 2020 6:01:12 PM CEST

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Technical data

Dimensions and weights

Width	6.1 mm	Width (inches)	0.24 inch
Height	93 mm	Height (inches)	3.661 inch
Depth	94 mm	Depth (inches)	3.701 inch
Net weight	35.3 g		

Temperatures

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

Probability of failure

MTTF	2,471 Years
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Control side

Rated control voltage	24 V DC ± 20 %	Nominal control current	5.7 mA DC
Power rating	140 mW ± 10 %	Cut-in / dropout voltage	15 V / 15 V DC
Status indicator	Green LED	Protective circuit	Reverse polarity protection

Load side

Rated switching voltage	3...33 V DC	Continuous current	2 A
Switch-on delay	< 55 μ s	Switch-off delay	< 1.2 ms
Voltage drop at max. load	≤ 120 mV	Short-circuit-proof	No
max. switching frequency (DC control voltage)	300 Hz		

Contact data

Contact type	1 NO contact (MOS-FET)
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General data

Version	Actuator version	Rail	TS 35
Colour	beige		

Insulation coordination

Rated voltage	300 V	Pollution severity	2
Surge voltage category	III	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 μ s)	Protection degree	IP20

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Technical data

Further details of approvals / standards

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

Wire connection method	Screw connection	Clamping range, rated connection	2.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	4 mm ²
Blade size	0.6 x 3.5 mm		

Classifications

ETIM 6.0	EC001504	ETIM 7.0	EC001504
eClass 9.0	27-37-16-04	eClass 9.1	27-37-16-04
eClass 10.0	27-37-16-04	UNSPSC	30-21-18-01

Approvals

Approvals



ROHS	Conform
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Downloads

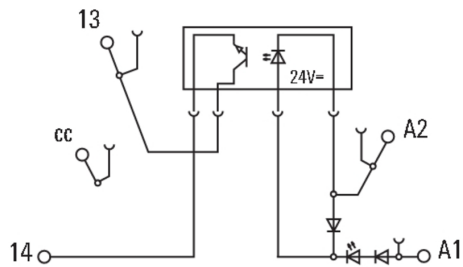
Engineering Data	WSCAD
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Drawings

Wiring diagram



Dimensional drawing

