

MICROOPTO MOS 24VDC/8-30VDC 2A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com



The solid-state relay MICROOPTO ACTOR has been especially designed as a switching amplifier for actuators up to 24 V DC and 2 A with inductive loads such as solenoid valves and contactors. 3-wire actuators can be connected directly to the module.

This is short-circuit proof and protected against application-related transients and spikes by extensive protective circuitry.

General ordering data

Order No.	8937970000
Part designation	MOS 24VDC/8-30VDC 2A
Version	MICROOPTO, Solid-state relay, 8...30 V DC, 3.5 A, Screw connection
GTIN (EAN)	4032248716203
Qty.	1 pc(s).

MICROOPTO MOS 24VDC/8-30VDC 2A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com

Technical data

Dimensions

Length	90 mm	Width	6.1 mm
Height	98 mm		

Temperature

Ambient temperature (operational)	Storage temperature	-40 °C...+80 °C
-----------------------------------	---------------------	-----------------

Probability of failure

MTTF	847 Years
------	-----------

Approvals

Approvals institutes	CULUS; GERMLLOYD; CE
----------------------	----------------------

Control side

Dropout voltage	< 13.6 V	Input frequency	100 Hz
Power rating	0.1...2 W	Protective circuit, control side	Varistor, reverse polarity protection
Rated control voltage	24 V DC $\pm$ 20 %	making voltage	> 13.8 V

General data

Standards	EN 50178 GL 2003-VI-Abs. 9 IEC 62314 UL508	Humidity	5...95 % RH $T_u = 55\text{ °C}$, no condensation
Flammability class UL 94	V-0	Conductor connection system	Screw connection
Solid-state type	Intelligent POWER MOS-FET		

Insulation coordination (EN 50 178)

Clearance and creepage distances for control/load side	> 3 mm	Overvoltage category	III
Pollution severity	2	Rated impulse withstand voltage	4 kV (1.2 / 50 μ s)
Rated voltage	300 V		

Load side

Continuous current	2 A	Leakage current	< 50 μ A
Load category	LC A	Protective circuit, load side	Varistor
Rated switching current	3.5 A	Rated switching voltage	8...30 V DC
Short-circuit-proof	Yes (12 h)	Status indicator load side	Error LED red; Status LED green
Switch-off delay	< 0.5 ms	Switch-on delay	0.1 ms
Voltage drop at max. load	$\leq$ 50 mV		

Classifications

ETIM 3.0	EC001504	eClass 5.1	27-27-09-90
eClass 6.0	27-27-09-90		

MICROOPTO MOS 24VDC/8-30VDC 2A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com

Drawings

Electric symbol

