

Solid-state relay module - EMG 10-OV-220DC/24DC/1 - 2944258

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Power solid-state relay, with LED and protective circuit in input and output circuits, input: 220 V DC, output: 5 - 36 V DC/max. 1 A

The illustration shows version EMG 10-OV, with DC voltage output, max. 1 A

Product Features

- Protective circuit in input and output
- ☑ RC protective circuit
- EMG-17-OV, short-circuit-proof with indicator LED
- Zero voltage switch
- Status indicator
- Electrical isolation
- Direct control with switching levels from 5 V to 230 V and up to 2 A



Key commercial data

Packing unit	1 рс
Custom tariff number	85364900
Country of origin	Germany

Technical data

Dimensions

Width	10 mm
Height	75 mm
Depth	102 mm
Ambient conditions	

Ambient temperature (operation)	-20 °C 50 °C



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Technical data

Ambient conditions

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Ambient temperature (storage/transport)	-20 °C 70 °C	
Degree of protection	IP20	
Input data		
Nominal input voltage U _N	220 V DC	
Input voltage range in reference to U_N	0.9 1.1	
Switching threshold "0" signal in reference to U_N	≤ 0.27	
Switching threshold "1" signal in reference to U_N	≥ 0.9	
Typical input current at U _N	3.5 mA	
Typical response time	0.1 ms	
Typical turn-off time	0.2 ms	
Status display	Yellow LED	
Type of protection	Protection against polarity reversal	
Protective circuit/component	Polarity protection diode	
Transmission frequency	500 Hz	
Output data		
Output nominal voltage	24 V DC	
Output voltage range	5 V DC 36 V DC	
Limiting continuous current	1 A (see derating curve)	
Surge current	2 A (t = 1 s)	
Peak offstate voltage	45 V DC (Collector-emitter reverse voltage)	
Voltage drop at max. limiting continuous current	\leq 1 V	
Output circuit	2-wire, floating	
Type of protection	Protection against polarity reversal	
Protective circuit/component	Polarity protection diode	
Connection data		
Connection method	Screw connection	
Stripping length	8 mm	
Screw thread	M3	
Conductor cross section solid min.	0.2 mm ²	
Conductor cross section solid max.	4 mm ²	
Conductor cross section stranded min.	0.2 mm ²	
Conductor cross section stranded max.	2.5 mm ²	

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General

Conductor cross section AWG/kcmil min.

Conductor cross section AWG/kcmil max



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General

Test voltage input/output	3.5 kV AC
	3.5 kV AC
Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Inflammability class according to UL 94	V0
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	Basic insulation

Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001

ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

Drawings



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