

EMG 10-OV- 24DC/24DC/1

Order No.: 2944229

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




<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=2944229>

Power solid-state relay, with LED and protective circuit in input and output circuits, input: 24 V DC, output: 5 - 36 V DC/max. 1 A



Commercial data

EAN	 4 017918 081522
sales group	G111
Pack	10 Pcs.
Customs tariff	85364190
Gross weight in pieces	0.03935 KG
Net weight per piece	0.03935 KG
Catalog page information	Page 138 (IF-2011)

Product notes

WEEE/RoHS-compliant since:
09/06/2006



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Technical data

Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.9 ... 1.1
Switching threshold "0" signal in reference to U_N	≤ 0.21
Switching threshold "1" signal in reference to U_N	≥ 0.9

Typical input current at U_N	4.4 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	≤ 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
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

General data

Width	10 mm
Height	75 mm
Depth	102 mm
Test voltage input/output	3.5 kV AC
	3.5 kV AC
Ambient temperature (operation)	-20 °C ... 50 °C

Ambient temperature (storage/transport)	-20 °C ... 70 °C
Mounting position	Any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Degree of protection	IP20
Inflammability class according to UL 94	V0
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	Basic insulation

Certificates / Approvals



Certification GOST

Certifications applied for:

Certification Ex:

Accessories

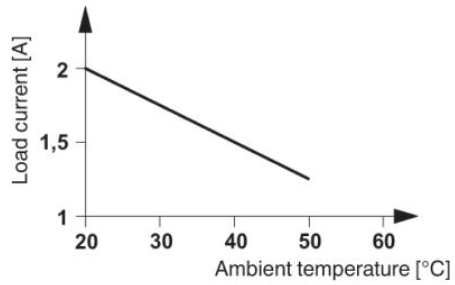
Item	Designation	Description
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Marking

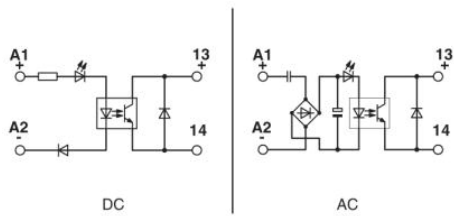
Item	Designation	Description
2947585	EMG-SGKS 10	Equipment marker, narrow

Drawings

Diagram



Circuit diagram



Address

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