

EMG 17-OV- 24DC/220DC/1

This product has been replaced by a newer version.

Order No.: 2954073

The illustration shows version EMG 17-OV, with DC voltage output, max. 1 A



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2954073>

Power optocoupler, with light indicator and protection circuits in the input and output circuits, input: 24 V DC, output: 15-220 V DC/ max. 1 A

Commercial data

EAN	4017918084738
Pack	10 pcs.
Customs tariff	85364190
Weight/Piece	0.08836 KG
Catalog page information	Page 107 (IF-2002)

<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Input data

Nominal input voltage U_N	24 V DC \pm 10%
Switching threshold "0" signal, voltage	\leq 7.5 V
Switching threshold "1" signal voltage	\geq 10 V
Typical input current at U_N	6.3 mA
Typical response time	4 ms
Typical turn-off time	35 ms

Status display	Yellow LED
Name of protection	Polarity protection
Protective circuit/component	Polarity protection diode
Transmission frequency	100 Hz

Output data

Output nominal voltage	220 V DC
Output nominal voltage range	15 V DC ... 220 V DC
Limiting continuous current	1 A
Maximum inrush current	2 A (t = 1 s)
Peak offstate voltage	220 V DC (Collector-emitter reverse voltage)
Voltage drop at max. limiting continuous current	≤ 1.2 V
Output circuit	2-conductor floating
Name of protection	Polarity protection
	Surge protection
	Free running
Protective circuit/component	Polarity protection diode
	Suppressor diode
	Damping diode

Connection data

Type of connection	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	17.5 mm
Height	102 mm
Depth	75 mm
Test voltage input/output	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 in acc. with UL 94 (housing)	V0
Standards/regulations	DIN VDE 0110
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III

Certificates / Approvals



Certification GOST

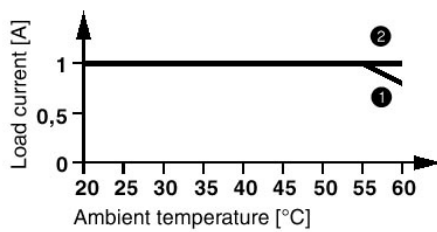
Accessories

Item	Designation	Description
2947035	EMG-GKS 12	Equipment marker, width 12 mm

Marking

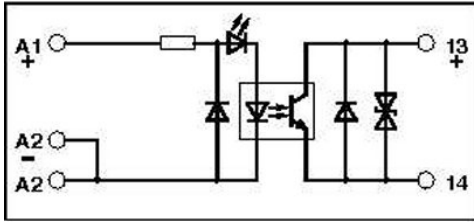
Drawings

Diagram



- ① mounted in rows with zero spacing.
- ② power optocouplers mounted in rows, ≥ 20 mm.

Circuit diagram



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