

EMG 17-OV- 5DC/ 60DC/3

Order No.: 2954138

The illustration shows version EMG 17-OV, with DC voltage output, max. 3 A



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Power optocoupler, with light indicator and protection circuits in the input and output circuits, input: 5 V DC, output: 12-60 V DC/ max. 3 A



Commercial data	
EAN	4017918084790
Pack	10 pcs.
Customs tariff	85364190
Weight/Piece	0.08542 KG
Catalog page information	Page 130 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
06/07/2007



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Technical data

Input data

Nominal input voltage U_N	5 V DC $\pm 20\%$
Switching threshold "0" signal in reference to U_N	≤ 0.4
Switching threshold "1" signal in reference to U_N	≥ 0.8
Typical input current at U_N	7 mA

Typical response time	20 µs
Typical turn-off time	200 µs
Status display	Yellow LED
Name of protection	Polarity protection
	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	500 Hz

Output data

Output nominal voltage	60 V DC
Output nominal voltage range	12 V DC ... 60 V DC
Limiting continuous current	3 A
Peak offstate voltage	60 V DC
Voltage drop at max. limiting continuous current	1.2 V
Output circuit	2-conductor floating
Name of protection	Polarity protection
	Surge protection
Protective circuit/component	Polarity protection 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 ... 60 °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
	DIN VDE 0106-101

Certificates / Approvals

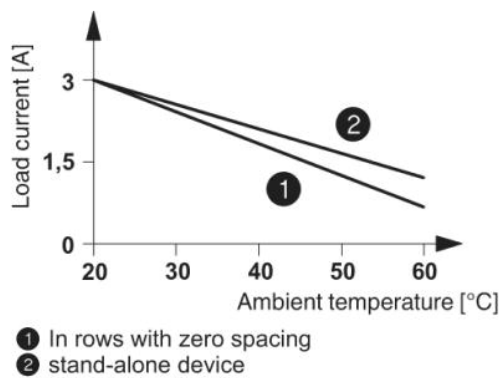


Certification

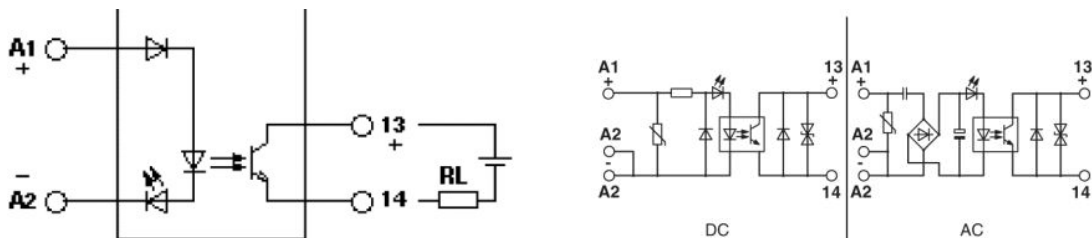
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Diagrams/Drawings

Diagram



Circuit diagram



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