

EMG 17-OV- 24DC/ 48DC/2


Order No.: 2942810



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Optocoupler interface against interference on the control side, input: 24 V DC, output: 48 V DC / 2 A



Commercial data	
GTIN (EAN)	 4 017918 080860
sales group	G111
Pack	10 pcs.
Customs tariff	85364190
Catalog page information	Page 145 (IF-2011)

Product notes

WEEE/RoHS-compliant since:
09/18/2006



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Technical data

Input data	
Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.2
Switching threshold "0" signal, voltage	≤ 16 V DC
Switching threshold "1" signal voltage	≥ 16.8 V DC

Typical input current at U_N	8 mA
Typical response time	20 μ s
Typical turn-off time	200 μ s
Status display	Yellow LED
Type of protection	Protection against polarity reversal
Protective circuit/component	Polarity protection diode
Transmission frequency	300 Hz

Output data

Output nominal voltage	48 V DC
Output nominal voltage range	12 V DC ... 48 V DC
Limiting continuous current	2 A (see derating curve)
Maximum inrush current	5 A (t = 1 s)
Peak offstate voltage	60 V DC (Collector-emitter reverse voltage)
Voltage drop at max. limiting continuous current	1.1 V
Output circuit	3-conductor, ground-referenced
Type of protection	Protection against polarity reversal Surge protection
Protective circuit/component	Polarity protection diode Suppressor 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	17.5 mm
Height	75 mm
Depth	102 mm
Test voltage input/output	3.5 kV AC

Ambient temperature (operation)	-10 °C ... 55 °C
Ambient temperature (storage/transport)	-10 °C ... 70 °C
Assembly instructions	Mounted in rows with zero spacing: Horizontal/not in rows: Any
Operating mode	100% operating factor
Degree of protection	IP20
Inflammability class acc. to UL 94	V0
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III

Certificates / Approvals

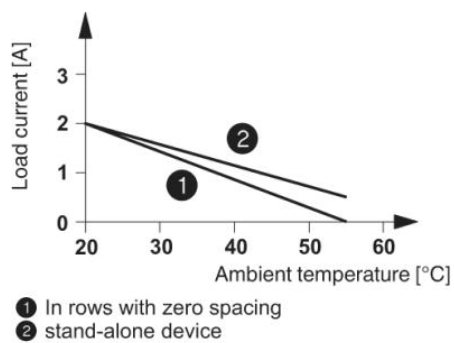


Certification

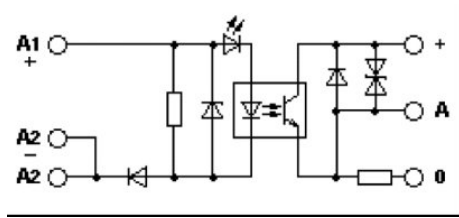
GOST

Diagrams/Drawings

Diagram



Circuit diagram



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