



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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EMG 10-OE- 12DC/ 48DC/100

Order No.: 2948898

The illustration shows version EMG 10-OE, with DC voltage output, max. 100 mA



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2948898>

Input optocoupler, with light indicator and protection circuits in the input and output circuits, input: 12 V DC, output: 4 - 48 V DC/max. 100 mA



Commercial data

GTIN (EAN)	 4 017918 083564
sales group	G110
Pack	10 pcs.
Customs tariff	85364190
Catalog page information	Page 131 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
01/02/2006



<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	12 V DC
Input voltage range in reference to U_N	0.8 ... 1.2
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	10 mA
Typical response time	20 μ s
Typical turn-off time	100 μ s
Status display	Yellow LED
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	500 Hz

Output data

Output nominal voltage	48 V DC
Output nominal voltage range	4 V DC ... 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	0.9 V
Output circuit	2-wire, floating
Type of protection	Protection against polarity reversal
	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	10 mm
Height	75 mm
Depth	102 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	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III

Certificates / Approvals



Certification

GOST

Accessories

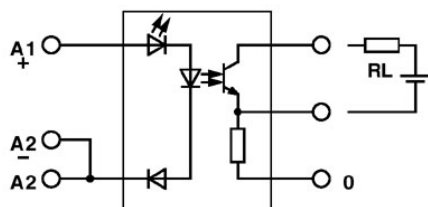
Item	Designation	Description
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Marking

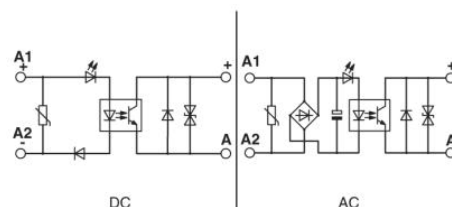
2947035	EMG-GKS 12	Equipment marker, width 12 mm
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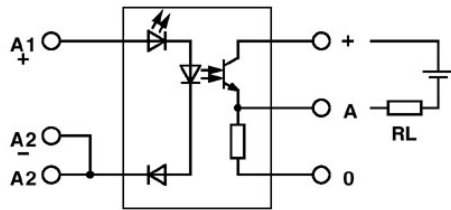
Diagrams/Drawings

Circuit diagram



Output: 2-wire, floating, minus switching





Output: 2-wire, floating, plus switching

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