

Solid-state relay module - EMG 12-OV-120AC/ 60DC/1 - 2948788

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Power solid-state relay, with LED and protective circuit in input and output circuits, input: 120 V AC, output: 12 - 60 V DC/max. 1 A

The illustration shows version EMG 12-OV, with DC voltage output, max. 1 A

Product Features

- ✓ RC protective circuit
- ✓ EMG-17-OV, short-circuit-proof with indicator LED
- ✓ Protective circuit in input and output
- ✓ Direct control with switching levels from 5 V to 230 V and up to 2 A
- ✓ Status indicator
- ✓ Electrical isolation
- ✓ Zero voltage switch



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	52.31 GRM
Custom tariff number	85364900
Country of origin	Germany

Technical data

Dimensions

Width	12.5 mm
Height	75 mm
Depth	102 mm

Ambient conditions

Solid-state relay module - EMG 12-OV-120AC/ 60DC/1 - 2948788

Technical data

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Degree of protection	IP20

Input data

Nominal input voltage U_N	120 V AC
Input voltage range in reference to U_N	0.9 ... 1.1
Switching threshold "0" signal in reference to U_N	≤ 0.4
Switching threshold "1" signal in reference to U_N	≥ 0.9
Typical input current at U_N	4 mA
Typical response time	3 ms
Typical turn-off time	13 ms
Status display	Yellow LED
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	10 Hz

Output data

Output nominal voltage	60 V DC
Output voltage range	12 V DC ... 60 V DC
Limiting continuous current	1 A (see derating curve)
Peak offstate voltage	60 V DC
Voltage drop at max. limiting continuous current	1.2 V
Output circuit	2-wire, floating
Type of protection	Protection against polarity reversal
	Surge protection
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

Solid-state relay module - EMG 12-OV-120AC/ 60DC/1 - 2948788

Technical data

General

Test voltage input/output	3.5 kV AC
	3.5 kV AC
Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Inflammability class according to UL 94	V0
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	Basic insulation

Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001

ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504

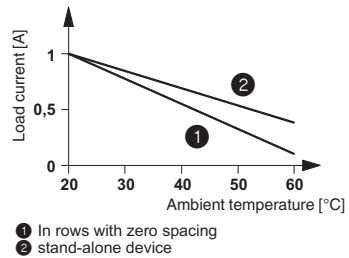
UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

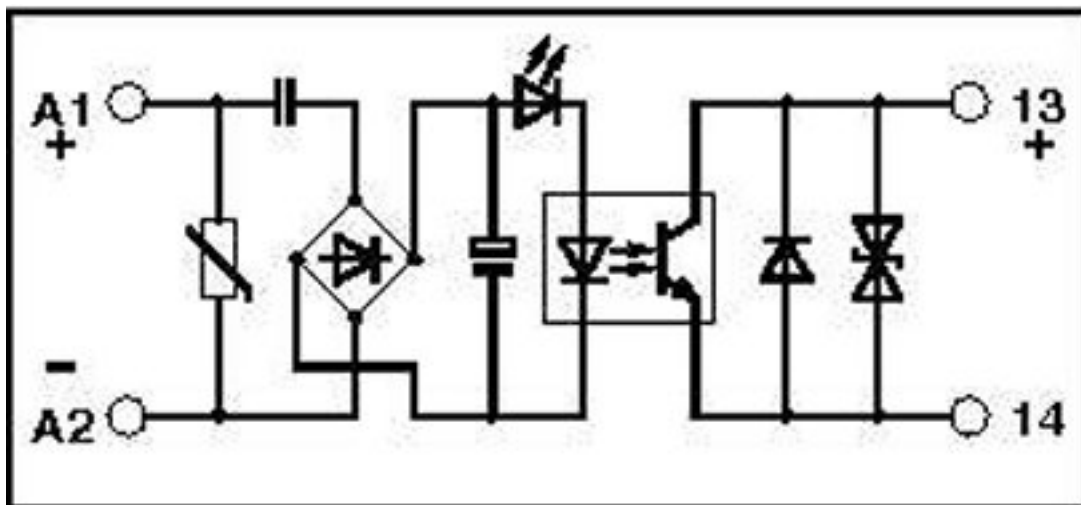
Drawings

Solid-state relay module - EMG 12-OV-120AC/ 60DC/1 - 2948788

Diagram



Circuit diagram



单击下面可查看定价，库存，交付和生命周期等信息

[>>Phoenix Contact\(菲尼克斯\)](#)