

Relay Module - EMG 17-REL/SG-B 60/21/M - 2953948

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>)




Relay module with permanently soldered remanance miniature switching relay, with minus-switching diode wiring, contacts (AgAu): small to large loads, 1 PDT, input voltage 60 V DC

The illustration shows version EMG 17-REL, with soldered-in Latching miniature switching relay



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 084684
Weight per Piece (excluding packing)	52.8 GRM
Custom tariff number	85364190
Country of origin	Germany

Technical data

Dimensions

Width	17.5 mm
Height	75 mm
Depth	62.5 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Coil side

Nominal input voltage U_N	60 V DC
Input voltage range in reference to U_N	0.8 ... 1.1

Relay Module - EMG 17-REL/SG-B 60/21/M - 2953948

Technical data

Coil side

Typical input current at U_N	28 mA
Typical response time	10 ms
Typical release time	10 ms
Pulse time	30 ms ... 5 s
Protective circuit	Free-wheeling diode Damping diode
	Protection against polarity reversal Polarity protection diode

Contact side

Contact type	Single contact, 1-PDT
Contact material	AgAu
Maximum switching voltage	24 V AC/DC
Maximum inrush current	0.2 A
Limiting continuous current	0.5 A
Interrupting rating (ohmic load) max.	5 W (at 24 V DC)
	5 VA (for 24 V AC)
Maximum switching voltage	250 V AC/DC
Limiting continuous current	5 A
Maximum inrush current	6 A
Interrupting rating (ohmic load) max.	120 W (at 24 V DC)
	40 W (at 48 V DC)
	35 MW (at 60 V DC)
	30 W (at 110 V DC)
	55 W (at 220 V DC)
	1250 VA (for 250 V AC)

General

Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor (observe max. input pulse length)
Mechanical service life	Approx. 3×10^7 cycles
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Pollution degree	2
Surge voltage category	III
Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data

Connection method	Screw connection
-------------------	------------------

Relay Module - EMG 17-REL/SG-B 60/21/M - 2953948

Technical data

Connection data

Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil max	12
Conductor cross section AWG/kcmil min.	24
Screw thread	M3

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

ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC000196

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

Drawings

Relay Module - EMG 17-REL/SG-B 60/21/M - 2953948

Circuit diagram

