

Relay Module - EMG 45-REL/IR-G 24/HWR - 2952172

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Relay module, with soldered-in industrial relay, contact: 2 PDTs, for multi-input fault warnings, with input diode array in P polarity (6 diodes 1N4007) and capacitor parallel to the coil as well as a multi-input light indicator, input voltage 24 V DC



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 084349
GTIN	4017918084349
Weight per Piece (excluding packing)	134.400 g
Custom tariff number	85364190
Country of origin	Germany

Technical data

Dimensions

Width	45 mm
Height	75 mm
Depth	82.5 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	24 V DC
Input voltage range in reference to U_N	0.85 ... 1.1
Typical input current at U_N	approx. 31 mA

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Technical data

Coil side

Typical response time	approx. 14 ms
Typical release time	approx. 16 ms
Protective circuit	Decoupling diodes Decoupling diodes
	Capacitor Capacitor
Operating voltage display	LED red
Coil resistance	777 Ω
Nominal power consumption	approx. 740 mW
Power dissipation for nominal condition	0.74 W

Contact side

Contact type	Single contact, 2-PDT
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Maximum inrush current	5 A
Limiting continuous current	3 A
Interrupting rating (ohmic load) max.	750 VA

General

Test voltage relay winding/relay contact	2 kV AC (50 Hz, 1 min.)
Mechanical service life	> 10 ⁷ cycles
Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data input side

Connection name	Coil side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Connection data output side

Connection name	Contact side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 4 mm ²

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Connection data output side

Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Standards and Regulations

Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
	DIN EN 50178/DIN VDE 0160 (in relevant parts)
Degree of pollution	2
Overvoltage category	II

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Approvals


Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		RU C- DE.A*30.B.01082
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