

Relay Module - EMG 45-REL/IR-W230/HWR - 2952185


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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 230 V AC



Key Commercial Data

Packing unit	5 STK
GTIN	 4 017918 084356
GTIN	4017918084356

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	230 V AC
Input voltage range in reference to U_N	0.9 ... 1.1
Mains frequency	50/60 Hz
Typical input current at U_N	approx. 16 mA
Typical response time	5 ms ... 15 ms
Typical release time range	15 ms ... 25 ms
Protective circuit	Decoupling diodes Decoupling diodes
	Capacitor Capacitor
Operating voltage display	LED red

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Technical data

Coil side

Coil resistance	19.5 kΩ
Nominal power consumption	approx. 1 VA
Power dissipation for nominal condition	3.68 W

Contact side

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

General

Type of note	Notes on operation
Note	During installation, the system must be connected in phase.
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
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)

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Standards and Regulations

Degree of pollution	2
Overvoltage category	II

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>