

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 pc
GTIN	 4 017918 084356
GTIN	4017918084356
Weight per Piece (excluding packing)	125.660 g
Custom tariff number	85364900
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	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

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Coil side

Protective circuit	Decoupling diodes Decoupling diodes
	Capacitor Capacitor
Operating voltage display	LED red
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

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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

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"

Classifications

eCl@ss

eCl@ss 5.0	27371601
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437
ETIM 6.0	EC001437

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122334

Approvals

Approvals

Approvals
EAC

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Approvals

Ex Approvals

Approval details

EAC



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