

2949376

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Relay module, with soldered-in industrial relay, contact: 2 changeover contacts, for multi-input fault warnings, with input diode gate in P polarity (6 diodes 1N4007) and capacitor parallel to the coil as well as a multi-input LED display, input voltage 24 V AC

Commercial data

Item number	2949376
Packing unit	5 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	CK6147
Catalog page	Page 117 (IF-2005)
GTIN	4017918083762
Weight per piece (including packing)	126.56 g
Weight per piece (excluding packing)	126.56 g
Country of origin	DE



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Technical data

Notes

Notes on operation	During installation, the system must be connected in phase.
Product properties	
5 1	5
Product type	Relay Module
Application	Fault reporting system
Mechanical service life	approx. 5x 10 ⁷ cycles
Insulation characteristics	
Overvoltage category	II
Pollution degree	2
Electrical properties	
Maximum power dissipation for nominal condition	1.25 W
Test voltage (Winding/contact)	2 kV AC (50 Hz, 1 min., winding/contact)

Input data

Diode

Description of the input	6 diodes, with P polarity
Diode type	1 N 4007
Max. operating voltage U _{max}	250 V AC
Peak reverse voltage per diode	1300 V
Reverse current per diode	30 μΑ
Conducting state voltage per diode	approx. 0.8 V
Conducting state current per diode	0.7 A (with single load)
	0.2 A (with simultaneous loads)

Coil side

Nominal input voltage $\mathbf{U}_{\mathbf{N}}$	24 V AC
Input voltage range	21.6 V AC 26.4 V AC
Input voltage range in reference to \mathbf{U}_{N}	0.9 1.1
Drive and function	monostable
Typical input current at U _N	approx. 52 mA
Typical response time	5 ms 15 ms
Typical release time range	15 ms 30 ms
Protective circuit	Decoupling diodes; Decoupling diodes
	Capacitor; Capacitor
Operating voltage display	LED red
Coil resistance	770 Ω
Nominal power consumption	approx. 740 mW

Output data



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Switching

Contact switching type	Single contact, 2 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Limiting continuous current	3 A
Maximum inrush current	5 A
Interrupting rating (ohmic load) max.	1250 VA (for 250 V AC)

Connection data

Coil side

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm² 4 mm²
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section AWG	24 12

Contact side

Connection method	Screw connection
Stripping length	8 mm
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Conductor cross section AWG	24 12

Dimensions

Width	45 mm
Height	75 mm
Depth	82.5 mm

Material specifications

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
	DIN EN 50178/VDE 0160 (in relevant parts)

Mounting



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Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

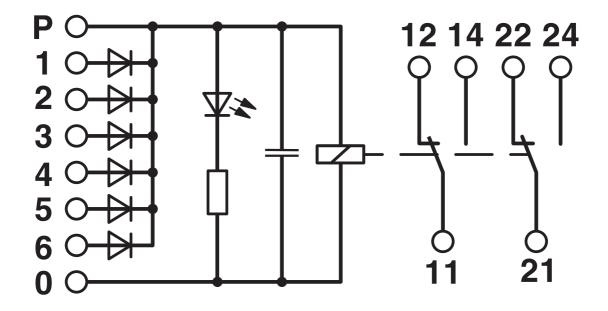


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Drawings

Circuit diagram





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Classifications

ECLASS

ECLASS-11.0 27371601



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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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