

EMR-IAC/1/UC- 5A

This product has been replaced by a newer version.

Order No.: 2764645

The illustration shows version EMR-IAC/1/UC-10 A



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2764645>

Electronic monitoring relay EMR, for undercurrent detection, with adjustable hysteresis and relay output, nominal current 5 A AC

Commercial data

EAN	4017918066079
Pack	1 pcs.
Customs tariff	85364900
Weight/Piece	0.2852 KG
Catalog page information	Page 421 (IF-2002)

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Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Input data

Nominal current I_N	5 A AC
Max. input current	12 A AC
Overload capacity	24 A (10 s)
Setting range of the nominal value	10 % ... 100 % (with reference to I_N)
Maximum temperature coefficient	< 0.1 %
Setting range of the hysteresis	2 % ... 20 % (with reference to the setpoint)
Response delay	0.1 s ... 10 s
Release delay	200 ms

Contact side

Contact type	Single contact, 2-PDT
Contact material	AgNi 90/10, + 5 µm hard gold-plated
Maximum switching voltage	24 V AC/DC
	250 V AC/DC (when the gold layer is destroyed)
Limiting continuous current	0.5 A
	5 A (when the gold layer is destroyed)
Maximum inrush current	0.2 A
	6 A (when the gold layer is destroyed)
Interrupting rating (ohmic load) max.	5 W (for 24 V DC)
	120 W (at 24 V DC - Value applies when the gold layer is destroyed)
	40 W (at 48 V DC - Value applies when the gold layer is destroyed)
	35 W (at 60 V DC - Value applies when the gold layer is destroyed)
	30 W (at 110 V DC - Value applies when the gold layer is destroyed)
	55 W (at 220 V DC - Value applies when the gold layer is destroyed)
	5 VA (for 24 V AC)
	1100 VA (at 250 V AC - Value applies when the gold layer is destroyed)

Power supply

Supply voltage	230 V AC ±20 %
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General data

Width	45 mm
Height	108 mm
Depth	75 mm
Service life mechanical	2 x 10 ⁷ cycles
Nominal power consumption	< 5 VA
Ambient temperature (operation)	-10 °C ... 60 °C (no condensation)
Test voltage relay winding/relay contact	4 kV AC
Test voltage relay contact/relay contact	2 kV AC
Mounting position	Any
Assembly instructions	In rows with zero spacing

Standards/regulations	IEC 664
	IEC 664 A
	DIN VDE 0110-1
	DIN VDE 0106-101
	DIN VDE 0160
	UL 508
Immunity to the discharge of static electricity	IEC 801-2/EN 60 801-2/intensity 3
Immunity to electromagnetic fields	IEC 801-3/DIN VDE 0843-3/intensity 3
Immunity to fast transients (Burst)	IEC/DIS 77B(CO)22/prEN 61 000-4-4/intensity 4
Immunity to surge currents (Surge)	IEC 65A/77B (CO)41/25, Draft/intensity 4
Housing insulation material	ABS

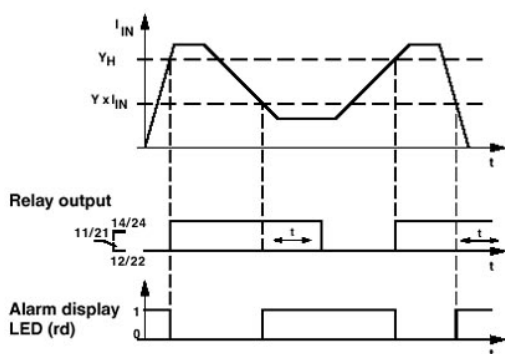
Connection data

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.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M3

Drawings

Diagram

Function diagram



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