

RM4JA32Q

current measurement relay RM4-J - range 0.3..15 A - 380..415 V AC

Product availability : Non-Stock - Not normally stocked in distribution facility

Price* : 378.00 USD



Main

Range of product	Zelio Control
Product or component type	Industrial measurement and control relays
Relay type	Current measurement relay
Relay name	RM4J
Relay monitored parameters	Overcurrent or undercurrent detection
Time delay type	Adjustable 0.05...30 s
Power consumption in VA	2.7...3 VA AC
Measurement range	1...5 A current AC 1...5 A current DC 3...15 A current AC 3...15 A current DC 300...1500 mA current AC 300...1500 mA current DC
Contacts type and composition	2 C/O

Complementary

[Us] rated supply voltage	380...415 V AC, 50/60 Hz +/- 5 %
Control circuit voltage limits	0.85...1.1 U _c
Output contacts	2 C/O
Measuring cycle	<= 80 ms
Internal input resistance	0.006 Ohm 0.02 Ohm 0.06 Ohm
Permissible continuous overload	2 A 7 A 20 A
Permissible non repetitive overload	10 A <= 3 s 100 A 15 A

Setting accuracy of the switching threshold	+/-5 %
Switching threshold drift	<= 0.06 % per degree centigrade depending permissible ambient air temperature <= 0.5 % within the supply voltage range (0.85...1.1 Un)
Setting accuracy of time delay	10 P
Time delay drift	<= 0.07 % per degree centigrade depending on temperature <= 0.5 % within the supply voltage range (0.85...1.1 Un)
Hysteresis	5...30 % adjustable of current threshold setting
Marking	CE : LVD 73/23/EEC CE : EMC 89/336/EEC
Overvoltage category	III conforming to IEC 60664-1
[Ui] rated insulation voltage	500 V conforming to IEC
Supply disconnection value	> 0.1 Uc
Operating position	Any position without derating
Connections - terminals	Screw terminals 2 x 1.5 mm ² , flexible cable with cable end Screw terminals 2 x 2.5 mm ² , flexible cable without cable end
Tightening torque	5.31...9.73 lbf.in (0.6...1.1 N.m)
Mechanical durability	30000000 cycles
[Ith] conventional free air thermal current	8 A
[Ie] rated operational current	2 A at 24 V DC-13 158 °F (70 °C) conforming to IEC 60947-5-1/1991 2 A at 24 V DC-13 158 °F (70 °C) conforming to VDE 0660 3 A at 115 V AC-15 158 °F (70 °C) conforming to IEC 60947-5-1/1991 3 A at 115 V AC-15 158 °F (70 °C) conforming to VDE 0660 3 A at 24 V AC-15 158 °F (70 °C) conforming to IEC 60947-5-1/1991 3 A at 24 V AC-15 158 °F (70 °C) conforming to VDE 0660 3 A at 250 V AC-15 158 °F (70 °C) conforming to IEC 60947-5-1/1991 3 A at 250 V AC-15 158 °F (70 °C) conforming to VDE 0660 0.1 A at 250 V DC-13 158 °F (70 °C) conforming to IEC 60947-5-1/1991 0.1 A at 250 V DC-13 158 °F (70 °C) conforming to VDE 0660 0.3 A at 115 V DC-13 158 °F (70 °C) conforming to IEC 60947-5-1/1991 0.3 A at 115 V DC-13 158 °F (70 °C) conforming to VDE 0660
Switching capacity in mA	10 mA at 12 V
Switching voltage	<= 440 V AC 250 V AC
Contacts material	90/10 silver nickel contacts
Number of cables	2
Width	1.77 in (45 mm)
Height	3.07 in (78 mm)
Depth	3.15 in (80 mm)
Terminals description ISO n°1	(25-26-28)OC (A1-A2)CO (15-16-18)OC (C-B1-B2-B3)CO
Output relay state	Tripped if A measured > A set Tripped if V measured > V set
9 mm pitches	5
Product weight	0.45 lb(US) (0.204 kg)

Environment

Electromagnetic compatibility	Electrostatic discharge - test level 6 kV, level 3 - contact discharge conforming to IEC 61000-4-2 Electrostatic discharge - test level 8 kV, level 3 - air discharge conforming to IEC 61000-4-2
Standards	EN/IEC 60255-6
Product certifications	UL GL CSA
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	-4...149 °F (-20...65 °C)
Environmental characteristic	3K3
Relative humidity	15...85 % conforming to IEC 60721-3-3

Shock resistance	15 gn 11 ms conforming to IEC 60255-21-1
IP degree of protection	IP20(Terminals) conforming to IEC 60529 IP50 (casing) conforming to IEC 60529
Pollution degree	3 conforming to IEC 60664-1
Dielectric test voltage	2.5 kV
Non-dissipating shock wave	4.8 kV
Resistance to electrostatic discharge	6 kV contact conforming to IEC 61000-4-2 level 3 8 kV air conforming to IEC 61000-4-2 level 3
Resistance to electromagnetic fields	9.14 V/yd (10 V/m) conforming to IEC 61000-4-3 level 3
Resistance to fast transients	2 kV conforming to IEC 61000-4-4 level 3
Protection against electric shocks	2 kV: level 3 conforming to IEC 61000-4-5
Disturbance radiated/conducted	CISPR 22 - class A CISPR 11 group 1 - class A

Ordering and shipping details

Category	22376 - RELAYS-MEASUREMENT(RM4)
Discount Schedule	CP2
Nbr. of units in pkg.	1
Package weight(Lbs)	0.45000000000000001
Returnability	N
Country of origin	ID

Contractual warranty

Warranty period	18 months
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Product Life Status	END OF COMMERCIALIZATION
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