

Product data sheet

Characteristics

RM4JA32F

current measurement relay RM4-J - range 0.3..15 A - 110..130 V AC

Product availability: Stock - Normally stocked in distribution facility

Price*: 378.00 USD



Main

Commercial Status	Commercialised
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	Adjustable 0.05...30 s
Power consumption in VA	1.9...3.3 VA AC
Measurement range	300...1500 mA current DC 300...1500 mA current AC 3...15 A current DC 3...15 A current AC 1...5 A current DC 1...5 A current AC
Contacts type and composition	2 C/O

Complementary

[Us] rated supply voltage	110...130 V AC 50/60 Hz
Control circuit voltage limits	0.85...1.1 Uc
Supply frequency	50/60 Hz +/- 5 %
Width	1.77 in (45 mm)
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 20 A 7 A
Permissible non repetitive overload	15 A 100 A 10 A for <= 3 s
Setting accuracy of the switching threshold	+/- 5 %
Switching threshold drift	<= 0.5 % within the supply voltage range (0.85...1.1 Un) <= 0.06 % per degree centigrade depending permissible ambient air temperature
Setting accuracy of time delay	10 P
Time delay drift	<= 0.5 % within the supply voltage range (0.85...1.1 Un) <= 0.07 % per degree centigrade depending on temperature
Hysteresis	5...30 % adjustable of current threshold setting
Marking	CE : EMC 89/336/EEC CE : LVD 73/23/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 2.5 mm ² , flexible cable without cable end Screw terminals 2 x 1.5 mm ² , flexible cable with cable end
Tightening torque	5.31...9.73 lbf.in (0.6...1.1 N.m)
Mechanical durability	30000000 cycles
[I _{th}] conventional free air thermal current	8 A
[I _e] rated operational current	0.3 A at 115 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 0.1 A at 250 V DC-13 158 °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 3 A at 250 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 24 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 115 V AC-15 158 °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 2 A at 24 V DC-13 158 °F (70 °C) conforming to VDE 0660 2 A at 24 V DC-13 158 °F (70 °C) conforming to IEC 60947-5-1/1991
Switching capacity in mA	10 mA at 12 V
Switching voltage	250 V AC <= 440 V AC
Contacts material	90/10 silver nickel contacts
Number of cables	2
CAD overall width	1.77 in (45 mm)
CAD overall height	3.07 in (78 mm)
CAD overall depth	3.15 in (80 mm)
Terminals description ISO n°1	(15-16-18)OC (25-26-28)OC (A1-A2)CO (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

Standards	EN/IEC 60255-6
Product certifications	CSA GL UL
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	-4...149 °F (-20...65 °C)
Relative humidity	15...85 % 3K3 conforming to IEC 60721-3-3
Shock resistance	15 gn for 11 ms conforming to IEC 60255-21-1
IP degree of protection	IP50 (casing) conforming to IEC 60529 IP20(Terminals) 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	8 kV air conforming to IEC 61000-4-2 level 3 6 kV contact 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 conforming to IEC 61000-4-5 level 3
Disturbance radiated/conducted	CISPR 11 group 1 - class A CISPR 22 - class A

Ordering and shipping details

Category	22376 - RELAYS-MEASUREMENT(RM4)
Discount Schedule	CP2
GTIN	00785901481560
Nbr. of units in pkg.	1
Package weight(Lbs)	0.51
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	ID

Contractual warranty

Period	18 months
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