

RM4UB34

single-phase network control relay RM4-U - range 80..120 V

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

Price*: 440.00 USD



Main

Commercial Status	Commercialised
Range of product	Zelio Control
Product or component type	Industrial measurement and control relays
Relay type	Voltage control relay
Relay name	RM4U
Relay monitored parameters	Overvoltage and undervoltage detection Self-powered
Time delay	Adjustable 0.1...10 s
Minimum switching current	10 mA at 12 V
Maximum switching current	8 A at 250 V AC
Electrical connection	2 conductors cable 0 in ² (2.5 mm ²) flexible cable without cable end conforming to IEC 60947-1 2 conductors cable 0 in ² (1.5 mm ²) flexible cable with cable end conforming to IEC 60947-1
Contacts type and composition	2 C/O
Poles description	1P

Complementary

[Us] rated supply voltage	80...220 V AC/DC
Supply voltage limits	60...300 V AC/DC
Control threshold undervoltage	80...120 V
Control threshold overvoltage	160...220 V
Output contacts	2 C/O
Measuring cycle	<= 80 ms
Setting accuracy of the switching threshold	+/-3 %
Switching threshold drift	<= 0.5 % within the measuring range <= 0.06 % per degree centigrade depending permissible ambient air temperature
Setting accuracy of time delay	10 P
Time delay drift	<= 0.5 % within the measuring range <= 0.07 % per degree centigrade depending on the rated operational temperature
Hysteresis	5 % fixed of de-energisation threshold
[Ue] rated operational voltage	>= 60 V
Maximum permissible voltage	<= 300 V L1 and L3
Marking	CE : EMC 89/336/EEC CE : LVD 73/23/EEC
Overvoltage category	III conforming to IEC 60664-1
Insulation resistance	> 500 MOhm at 500 V DC conforming to IEC 60664-1
[Ui] rated insulation voltage	500 V conforming to IEC
Control circuit voltage limits	0.85...1.1 Uc
Supply frequency	50/60 Hz +/- 5 %
Supply disconnection value	> 0.1 Uc
Operating position	Any position without derating

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	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 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 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 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 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 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
Switching voltage	250 V AC ≤ 440 V AC
Contacts material	90/10 silver nickel contacts
Number of cables	2
Height	3.07 in (78 mm)
Width	0.89 in (22.5 mm)
Depth	3.15 in (80 mm)
Terminals description ISO n°1	(15-16-18)OC (25-26-28)OC (L1-L3)CO
Output relay state	Tripped, fault present
9 mm pitches	2.5
Product weight	0.24 lb(US) (0.11 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
Vibration resistance	0.35 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
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	00785901469971
Nbr. of units in pkg.	1
Package weight(Lbs)	0.24
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	ID

Contractual warranty

Period	18 months
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