

Product Datasheet

Characteristic

RXM4SOC24D

miniature plug-in relay - Zelio RXM - 4 C/
O - 24 V DC



Main

range of product	Zelio Relay
series name	Miniature
product or component type	Plug-in relay
device short name	RXM
contacts type and composition	4 C/O
[Uc] control circuit voltage	24 V DC
[Ithe] conventional enclosed thermal current	6 A at -40...131 °F (-40...55 °C)
status LED	With
control type	Lockable test button
utilisation coefficient	20 %

Complementary

shape of pin	Flat
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to UL 300 V conforming to CSA
[Uimp] rated impulse withstand voltage	2.5 kV 1.2/50 µs
contacts material	AgNi
[Ie] rated operational current	3 A at 28 V DC (NC) conforming to IEC 3 A at 250 V AC (NC) conforming to IEC 6 A at 28 V DC (NO) conforming to IEC 6 A at 250 V AC (NO) conforming to IEC 6 A at 277 V AC conforming to UL 8 A at 30 V DC conforming to UL
maximum switching voltage	250 V conforming to IEC
load current	6 A at 250 V AC 6 A at 28 V DC
maximum switching capacity	1500 VA/168 W
minimum switching capacity	170 mW at 10 mA, 17 V
operating rate	<= 18000 cycles/hour no-load <= 1200 cycles/hour under load
mechanical durability	10000000 cycles
electrical durability	100000 cycles resistive load
average coil consumption	0.9 W
drop-out voltage threshold	>= 0.1 Uc
operating time	20 ms

reset time	20 ms
average resistance	650 Ohm at 20 °C +/- 10 %
rated operational voltage limits	19.2...26.4 V DC
safety reliability data	B10d = 100000
protection category	RT I
operating position	Any position
product weight	0.08 lb(US) (0.037 kg)
device presentation	Complete product

Environment

dielectric strength	1300 V AC between contacts with micro disconnection insulation 2000 V AC between coil and contact with reinforced insulation 2000 V AC between poles with basic insulation
product certifications	CE CSA RoHS Lloyd's REACH GOST UL
standards	UL 508 EN/IEC 61810-1 CSA C22.2 No 14
ambient air temperature for storage	-40...185 °F (-40...85 °C)
ambient air temperature for operation	-40...131 °F (-40...55 °C)
vibration resistance	3 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles in operation) 5 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles not operating)
IP degree of protection	IP40 conforming to EN/IEC 60529
shock resistance	10 gn in operation 30 gn not operating
pollution degree	2