# Product data sheet Characteristics

# RXM4AB2E7

Miniature plug-in relay, 6 A, 4 CO, LED, 48 V AC





#### 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	48 V AC 50/60 Hz	
[Ithe] conventional enclosed thermal current	6 A at -4055 °C	
Status LED	With	
Control type	Lockable test button	
Utilisation coefficient	20 %	

#### Complementary

Complementary	
Shape of pin	Flat
[Ui] rated insulation voltage	250 V conforming to IEC 300 V conforming to CSA 300 V conforming to UL
[Uimp] rated impulse withstand voltage	2.5 KV during 1.2/50 μs
Contacts material	AgNi
[le] 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	<= 1200 cycles/hour under load <= 18000 cycles/hour no-load
Mechanical durability	10000000 Cycles
Electrical durability	100000 Cycles for resistive load
Average coil consumption in VA	1.2 at 60 Hz
Average consumption	1.2 VA at 60 Hz
Drop-out voltage threshold	>= 0.15 Uc
Operating time	20 ms
Reset time	20 Ms
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Average resistance	710 Ohm at 20 °C +/- 15 %	
Rated operational voltage limits	38.452.8 V AC	
Safety reliability data	B10d = 100000	
Protection category	RT I	
Test levels	Level A group mounting	
Operating position	Any position	
CAD overall height	82.8 Mm	
CAD overall depth	80.35 Mm	
Net weight	0.037 Kg	
Device presentation	Complete product	

### Environment

Dielectric strength	1300 V AC between contacts with micro disconnection
	2000 V AC between coil and contact
	2000 V AC between poles
Product certifications	CSA
	Lloyd's
	REACH
	RoHS
	UL
	GOST
	CE
Standards	CSA C22.2 No 14
	UL 508
	EN/IEC 61810-1
Ambient air temperature for storage	-4085 °C
Ambient air temperature for operation	-4055 °C
Vibration resistance	3 gn, amplitude = +/- 1 mm (f = 10150 Hz)5 cycles in operation
	5 gn, amplitude = +/- 1 mm (f = 10150 Hz)5 cycles not operating
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	10 gn for in operation
	30 gn for not operating
Pollution degree	2

### Packing Units

Package 1 Weight	0.039 Kg	
Package 1 Height	0.410 Dm	
Package 1 width	0.210 Dm	
Package 1 Length	0.280 Dm	

## Offer Sustainability

Sustainable offer status	Green Premium product
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	€Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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Product Life Status : Commercialised

