Product datasheet

Specifications





Harmony, Miniature plug-in relay, 6 A, 4 CO, with lockable test button, 230 V AC

RXM4AB1P7

Main

Range of product	Harmony Electromechanical Relays	
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	230 V AC 50/60 Hz	
Status LED	Without	
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 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
Continuous output current	5 A
Maximum switching voltage	250 V conforming to IEC
resistive rated load	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

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Drop-out voltage threshold	>= 0.15 Uc	
operate time	20 ms	
release time	20 ms	
average coil resistance	15000 Ohm at 20 °C +/- 15 %	
Rated operational voltage limits	184253 V AC	
Safety reliability data	B10d = 100000	
Protection category	RTI	
Test levels	Level A group mounting	
Operating position	Any position	
CAD overall height	79 mm	
CAD overall depth	78.45 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 with basic insulation	
	2000 V AC between poles with basic insulation	
Product certifications	UL	
	Lloyd's	
	CE	
	CSA	
	GOST	
	IECEE CB Scheme	
Standards	IEC 61810-1	
	CSA C22.2 No 14	
	UL 508	
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 IEC 60529	
Shock resistance	10 gn for in operation	
	30 gn for not operating	
Pollution degree	2	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.000 cm
Package 1 Width	2.600 cm
Package 1 Length	4.800 cm
Package 1 Weight	35.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	3.200 cm

Package 2 Width	10.300 cm	
Package 2 Length	12.500 cm	
Package 2 Weight	378.000 g	
Unit Type of Package 3	S02	
Number of Units in Package 3	240	
Package 3 Height	15.000 cm	
Package 3 Width	30.000 cm	
Package 3 Length	40.000 cm	
Package 3 Weight	9.566 kg	

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

Ø	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
Ø	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
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
Circularity Profile	End of Life Information

Contact: +971507924960

Email: sales@industrytechstore.com Website: www.Industrytechstore.com

