Product datasheet





Power plug-in relay, 15 A, 3 CO, with LED, 110 V DC

RPM32FD

- ! Discontinued on: 1 Jan 2008
- ! End-of-service on: 21 Oct 2020

! Discontinued

Main

Range of product	Harmony Relay	
Series name	Power	
Product or component type	Plug-in relay	
Device short name	RPM	
Contacts type and composition	3 C/O	
[Uc] control circuit voltage	110 V DC	
[Ithe] conventional enclosed thermal current	15 A at -4055 °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 CSA
	300 V conforming to UL
[Uimp] rated impulse withstand voltage	4 kV during 1.2/50 μs
Contacts material	AgNi
[le] rated operational current	15 A at 277 V (AC) conforming to UL
	15 A at 28 V (DC) conforming to UL
	15 A at 250 V (AC) NO conforming to IEC
	15 A at 28 V (DC) NO conforming to IEC
	7.5 A at 250 V (AC) NC conforming to IEC
	7.5 A at 28 V (DC) NC conforming to IEC
Maximum switching voltage	250 V conforming to IEC
Resistive load current	15 A at 250 V AC
	15 A at 28 V DC
Maximum switching capacity	3750 VA
	420 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	1.5 W

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Drop-out voltage threshold	>= 0.1 Uc DC	
Operate time	20 ms at nominal voltage	
Release time	20 ms at nominal voltage	
Average coil resistance	6720 Ohm at 20 °C +/- 10 %	
Rated operational voltage limits	88121 V DC	
Protection category	RTI	
Test levels	Level A group mounting	
Operating position	Any position	
Pollution degree	3	
Safety reliability data	B10d = 100000	
Net weight	0.054 kg	
device presentation	Complete product	

Environment

Dielectric strength	1500 V AC between contacts with micro disconnection 2000 V AC between coil and contact with reinforced 2000 V AC between poles with basic	
Standards	CSA C22.2 No 14 UL 508 EN/IEC 61810-1	
Product certifications	CSA EAC UL	
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	
Degree of protection (Housing only)	IP40 conforming to EN/IEC 60529	
Shock resistance	15 gn for in operation 30 gn for not operating	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty	18 months



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Transparency RoHS/REACh

Well-being performance



Reach Free Of Svhc



Rohs Exemption Information

Yes

Certifications & Standards

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	No need of specific recycling operations