# Product data sheet Characteristics

# RPM32FD

power plug-in relay - Zelio RPM - 3 C/O - 110 V DC - 15 A - with LED



### Main

Iviairi		
Range of product	Zelio 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 pinFlat[Ui] rated insulation voltage250 V conforming to IEC 300 V conforming to UL 300 V conforming to CSA[Uimp] rated impulse withstand voltage4 kV for 1.2/50 μsContacts materialAgNi[le] rated operational current15 A at 277 V AC conforming to UL 7.5 A at 28 V DC (NC) conforming to IEC 15 A at 250 V AC (NO) conforming to IEC 7.5 A at 250 V AC (NC) conforming to IEC 15 A at 250 V AC (NC) conforming to IEC 15 A at 28 V DC conforming to ULMaximum switching voltage250 V conforming to IECLoad current15 A at 250 V AC 15 A at 28 V DCMaximum switching capacity3750 VA 420 W			
300 V conforming to UL 300 V conforming to CSA  [Uimp] rated impulse withstand voltage 4 kV for 1.2/50 μs  Contacts material AgNi  [le] rated operational current 15 A at 277 V AC conforming to UL 7.5 A at 28 V DC (NC) conforming to IEC 15 A at 250 V AC (NO) conforming to IEC 15 A at 250 V AC (NO) conforming to IEC 15 A at 28 V DC (NO) conforming to IEC 15 A at 28 V DC (NO) conforming to IEC 15 A at 28 V DC (NO) conforming to IEC 15 A at 28 V DC conforming to UL  Maximum switching voltage 250 V conforming to IEC Load current 15 A at 250 V AC 15 A at 28 V DC  Maximum switching capacity 3750 VA	Shape of pin	Flat	<u> </u>
Contacts material  AgNi  [le] rated operational current  15 A at 277 V AC conforming to UL  7.5 A at 28 V DC (NC) conforming to IEC  15 A at 250 V AC (NO) conforming to IEC  7.5 A at 28 V DC (NO) conforming to IEC  15 A at 28 V DC (NO) conforming to IEC  15 A at 28 V DC (NO) conforming to IEC  15 A at 28 V DC conforming to UL  Maximum switching voltage  250 V conforming to IEC  15 A at 250 V AC  15 A at 250 V AC  15 A at 28 V DC  Maximum switching capacity  3750 VA	[Ui] rated insulation voltage	300 V conforming to UL	
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15 A at 28 V DC  Maximum switching capacity 3750 VA	Maximum switching voltage	250 V conforming to IEC	—uenta
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	Maximum switching capacity		Claimer: T

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 for resistive load
Average coil consumption	1.5 W
Drop-out voltage threshold	>= 0.1 Uc DC
Operating time	20 ms at nominal voltage
Reset time	20 ms at nominal voltage
Rated operational voltage limits	88121 V DC
Protection category	RT I
Operating position	Any position
Safety reliability data	B10d = 100000
Product weight	0.054 kg
Device presentation	Complete product

### Environment

Dielectric strength	2000 V AC between coil and contact with reinforced insulation 2000 V AC between poles with basic insulation 1500 V AC between contacts with micro disconnection insulation
Standards	UL 508 EN/IEC 61810-1 CSA C22.2 No 14
Product certifications	UL EAC CSA RoHS REACH
Ambient air temperature for storage	-4085 °C
Ambient air temperature for operation	-4055 °C
Vibration resistance	3 gn (f = 10150 Hz), amplitude +/- 1 mm (on 5 cycles in operation) 5 gn (f = 10150 Hz), amplitude +/- 1 mm (on 5 cycles not operating)
IP degree of protection	IP40 conforming to EN/IEC 60529
Shock resistance	30 gn not operating 15 gn in operation
Pollution degree	3

## Contractual warranty

Warranty period	18 months