

RPM22FD

power plug-in relay - Zelio RPM - 2 C/O - 110 V
DC - 15 A - with LED



Main

| | |
|---|----------------------|
| Range of product | Zelio Relay |
| Series name | Power |
| Product or component type | Plug-in relay |
| Device short name | RPM |
| Contacts type and composition | 2 C/O |
| Control circuit voltage | 110 V DC |
| [the] conventional enclosed thermal current | 15 A at -40...55 °C |
| Status LED | With |
| Control type | Lockable test button |
| Utilisation coefficient | 20 % |

Complementary

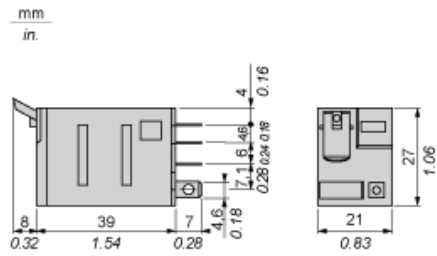
| | |
|--|---|
| Shape of pin | Flat |
| [Ui] rated insulation voltage | 300 V conforming to UL 300 V conforming to CSA 250 V conforming to IEC |
| [Uimp] rated impulse withstand voltage | 4 kV for 1.2/50 µs |
| Contacts material | AgNi |
| [Ie] rated operational current | 7.5 A at 28 V DC (NC) conforming to IEC 7.5 A at 250 V AC (NC) conforming to IEC 15 A at 28 V DC (NO) conforming to IEC 15 A at 250 V AC (NO) conforming to IEC 15 A at 28 V DC conforming to UL 15 A at 277 V AC conforming to UL |
| Maximum switching voltage | 250 V conforming to IEC |
| Resistive load current | 15 A at 28 V DC 15 A at 250 V AC |
| Maximum switching capacity | 420 W 3750 VA |
| 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 | 0.85 W |
| Drop-out voltage threshold | >= 0.1 U _c DC |
| Operate time | 20 ms at nominal voltage |
| Release time | 20 ms at nominal voltage |
| Rated operational voltage limits | 88...121 V DC |
| Protection category | RT I |
| Operating position | Any position |
| Safety reliability data | B10d = 100000 |
| Product weight | 0.036 kg |

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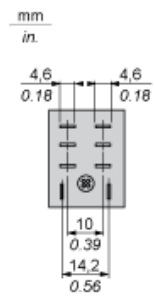
Environment

| | |
|---------------------------------------|--|
| Dielectric strength | 2000 V AC between poles with basic insulation 2000 V AC between coil and contact with reinforced insulation 1500 V AC between contacts with micro disconnection insulation |
| Standards | EN/IEC 61810-1 UL 508 CSA C22.2 No 14 |
| Product certifications | CSA RoHS UL REACH EAC |
| Ambient air temperature for storage | -40...85 °C |
| Ambient air temperature for operation | -40...55 °C |
| Vibration resistance | 5 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles not operating) 3 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles in operation) |
| Degree of protection (Housing only) | IP40 conforming to EN/IEC 60529 |
| Shock resistance | 30 gn not operating 15 gn in operation |
| Pollution degree | 3 |

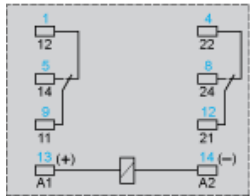
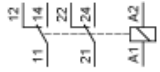
Dimensions



Pin Side View



Wiring Diagram

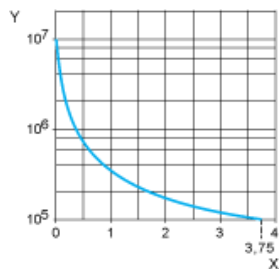


Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

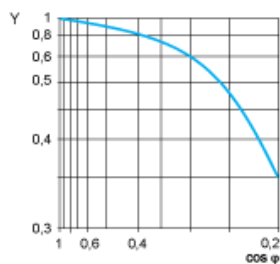
Durability (inductive load) = durability (resistive load) x reduction coefficient.

Resistive AC load



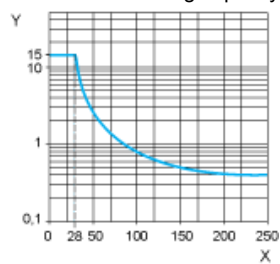
X Switching capacity (kVA)
Y Durability (Number of operating cycles)

Reduction coefficient for inductive AC load (depending on power factor cos φ)



Y Reduction coefficient (A)

Maximum switching capacity on resistive DC load



X Voltage DC
Y Current DC

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.