

RPM21E7

utični strujni relej – Zelio RPM – 2 C/O – 48 V AC – 15 A



Glavno

| | |
|--|----------------------|
| 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 |
| [Uc] control circuit voltage | 48 V AC |
| [Ithe] conventional enclosed thermal current | 15 A at -40...55 °C |
| Status LED | Without |
| Control type | Lockable test button |
| Utilisation coefficient | 20 % |

Komplementarno

| | |
|--|---|
| Shape of pin | Flat |
| [Ui] rated insulation voltage | 250 V conforming to IEC 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 |
| [Ie] 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 250 V AC (NC) 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 420 W |
| 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 in VA | 1.1 at 60 Hz |
| Drop-out voltage threshold | >= 0.15 U _c AC |
| Operating time | 20 ms at nominal voltage |
| Reset time | 20 ms at nominal voltage |
| Average resistance | 708 Ohm +/- 15 % at 20 °C |
| Rated operational voltage limits | 38.4...52.8 V AC |
| Protection category | RT I |
| Operating position | Any position |
| Safety reliability data | B10d = 100000 |
| Product weight | 0.036 kg |
| Device presentation | Complete product |

Okolina

| | |
|---------------------|---|
| dielectric strength | 2000 V AC between coil and contact with reinforced insulation |
|---------------------|---|

Informacije dane u ovoj dokumentaciji sadrže opće opise i/ili tehničke karakteristike o performansama ovdje sadržanih proizvoda. Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene. Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i potpunu analizu rizika, procjenu i ispitivanje proizvoda u odnosu na odgovarajuću specifičnu primjenu ili uporabu istog. Niti društvo Schneider Electric Industries SAS niti bilo koje od njegovih povezanih poduzeća ili podružnica neće preuzeti obvezu ili snositi odgovornost za pogrešnu upotrebu ovdje sadržanih informacija.

2000 V AC between poles with basic insulation
 1500 V AC between contacts with micro disconnection insulation

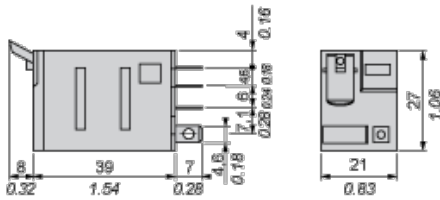
| | |
|---------------------------------------|---|
| standards | EN/IEC 61810-1 UL 508 CSA C22.2 No 14 |
| product certifications | CSA RoHS UL REACH EAC |
| ambient air temperature for storage | -40...85 °C |
| ambient air temperature for operation | -40...55 °C |
| vibration resistance | 3 gn (f = 10...150 Hz), amplitude +/- 1 mm (on 5 cycles in operation) 5 gn (f = 10...150 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 |
|-----------------|-----------|

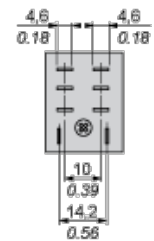
Dimensions

mm
in.

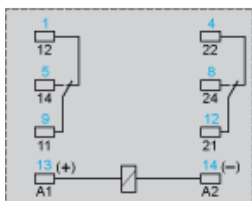
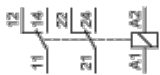


Pin Side View

mm
in.



Wiring Diagram

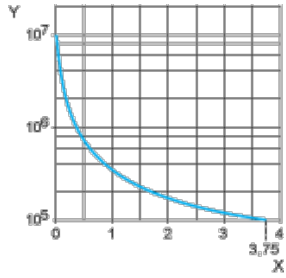


Symbols shown in blue correspond to Nema marking.

Electrical Durability of Contacts

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

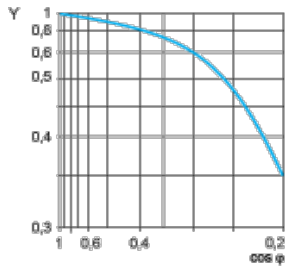
Resistive AC load



X Switching capacity (kVA)

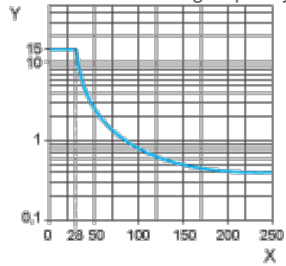
Y Durability (Number of operating cycles)

Reduction coefficient for inductive AC load (depending on power factor $\cos \phi$)



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.