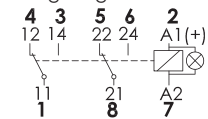




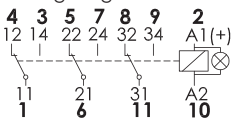
**RMS2-T** Relay 8 pins 2 contacts

**RMS3-T** Relay 11 pins 3 contacts

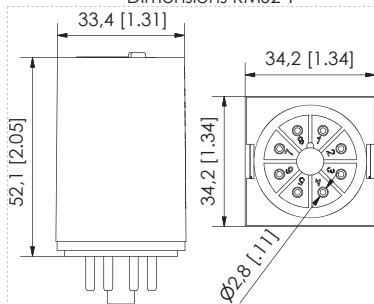
Wiring diagram RMS2-T



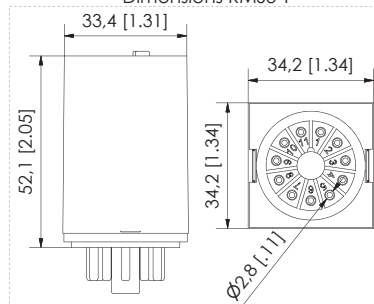
Wiring diagram RMS3-T



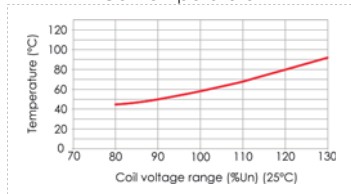
Dimensions RMS2-T



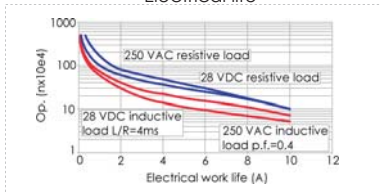
Dimensions RMS3-T



Coil temperature



Electrical life



## Features

Universal power relay for general applications.  
Available in 2 & 3 change-over contacts with max. current 10 A - 250 VAC1 / 28 VDC1.  
Nominal power 1,5 W(DC) & 2,7 VAC.  
Available with and without LED for AC/DC relays. Diode only available for DC.  
Socket terminals, 8 pins plug-in for 2 contacts and 11 pins plug in for 3 contacts.  
Insulation: IEC61810-1 - 2,5 KV/3.  
Pollution degree: 2.  
Approvals: CE  
Protection class: IP40.  
European Patent.

## Coil ratings

|                                  |      |      |      |      |       |      |       |
|----------------------------------|------|------|------|------|-------|------|-------|
| Nominal voltage VDC              | 6    | 12   | 24   | 48   | 60    | 115  | 220   |
| Resistance ( $\Omega \pm 15\%$ ) | 28,4 | 100  | 430  | 1,5k | 2,33k | 8,1K | 32,6K |
| Nominal voltage VAC              | 6    | 12   | 24   | 48   | 60    | 120  | 230   |
| Resistance ( $\Omega \pm 15\%$ ) | 4,2  | 19,5 | 73,6 | 284  | -     | 1,5K | 6,3K  |

## Coil values at 25°C

|                       |                        |                        |
|-----------------------|------------------------|------------------------|
|                       | VDC                    | VAC 50HZ               |
| Operating range       | 0,8 -1,1 Un            | 0,8 -1,1 Un            |
| Max. drop-out voltage | $\geq 15\% \text{ Un}$ | $\geq 30\% \text{ Un}$ |

## Contacts

|                        |                                          |
|------------------------|------------------------------------------|
| Contact configuration  | 2C & 3C                                  |
| Rated load             | 2500 VA / 280 W                          |
| Max. switching voltage | 250 VAC / 220 DC1                        |
| Max. breaking capacity | 110 VDC: 0,4 A<br>220 VDC: 0,15 - 0,20 A |
| Max. peak current      | 10 A (250 VAC1 / 28 VDC1)                |
| Contact resistance     | $\leq 50 \text{ m}\Omega$                |
| Contact material       | AgNi                                     |

## Specification RM

|                            |                                                                               |
|----------------------------|-------------------------------------------------------------------------------|
| Electrical life            | $\geq 10^5$ cycles                                                            |
| Mechanical life            | $\geq 10^7$ cycles                                                            |
| Insulation resistance      | $\leq 1000 \text{ M}\Omega (500 \text{ VDC})$                                 |
| Operate/release time       | $\leq 30 \text{ ms}$                                                          |
| Operation frequency        | 1200 op/h at nominal load                                                     |
| Release time               | $\leq 20 \text{ ms}$                                                          |
| Dielectric strength at 1mA | 2.500 VAC/min (between coil and contacts)<br>1.000 VAC/min (between contacts) |
| Vibration resistance       | 10 - 50 Hz (Double width 1,5mm)                                               |
| Shock resistance           | 10g                                                                           |
| Room temperature           | -40 °C +65 °C                                                                 |
| Relative humidity          | 35% -85% RH                                                                   |
| Atmospheric pressure       | 86 - 106 KPa                                                                  |
| Weight                     | 80 gr                                                                         |
| Units per package          | 20                                                                            |

## References RM-T relays

Example: Relay RM. 3 contacts, 230VAC coil voltage, with LED.

|                                                          |                                                                                                                                                                            |                                                                                 |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| <b>Product series</b><br>RM: RM relays series            | <b>Coil voltage</b><br>006: 6V<br>012: 12V<br>024: 24V<br>048: 48V<br>060: 60V<br>115: 115V (only DC)<br>120: 120V (only AC)<br>220: 220V (only DC)<br>230: 230V (only AC) | <b>Series features</b><br>T: T series                                           |
| <b>Type</b><br>E: without button<br>S: with button       | <b>LED</b><br>L: with LED<br>N: without LED                                                                                                                                | <b>Circuit connect to coil</b><br>0: without circuit<br>D: with diode (only DC) |
| <b>Contacts number</b><br>2: 2 contacts<br>3: 3 contacts | <b>Contact material</b><br>0: silver alloy                                                                                                                                 | <b>Coil version</b><br>AC: VAC voltage<br>DC: VDC voltage                       |