

RTM miniature timers

→ Plug-IN

- Miniature plug-in timer (21 x 27 mm)
- Function A : Delay on energisation
- Multi-range 0.1 s to 10 h
- Excellent noise resistance
- Relay output, 2 or 4 changeover contacts



Specifications

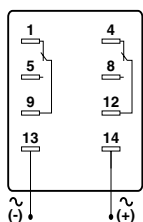
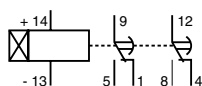
| Type | Functions | Relay outputs | Nominal rating | Supply voltage | Absorbed power (W) | Code |
|-------|-----------|--------------------|----------------|----------------|--------------------|------------|
| RTMA2 | A | 2 timed changeover | 5 A AC | 12 VDC | 1.5 | 88 895 201 |
| | A | 2 timed changeover | 5 A AC | 24 VDC | 1.2 | 88 895 202 |
| | A | 2 timed changeover | 5 A AC | 24 VAC | 1.7 | 88 895 203 |
| | A | 2 timed changeover | 5 A AC | 110 VAC | 2.6 | 88 895 206 |
| | A | 2 timed changeover | 5 A AC | 230 VAC | 3 | 88 895 207 |
| RTMA4 | A | 4 timed changeover | 3 A AC | 12 V DC | 1.5 | 88 896 201 |
| | A | 4 timed changeover | 3 A AC | 24 V DC | 1.2 | 88 896 202 |
| | A | 4 timed changeover | 3 A AC | 24 V AC | 1.7 | 88 896 203 |
| | A | 4 timed changeover | 3 A AC | 127 V AC | 2.6 | 88 896 206 |
| | A | 4 timed changeover | 3 A AC | 230 V AC | 3 | 88 896 207 |

Accessories

| | Code |
|---|------------|
| PCB base RTMA2 | 26 532 709 |
| Base for DIN rail mounting RTMA2 | 26 532 707 |
| Spring clips for DIN rail mounting base | 26 532 702 |
| Spring clips for PCB base | 26 532 704 |
| PCB base RTMA4 | 26 532 708 |
| Base for DIN rail mounting RTMA4 | 26 532 706 |

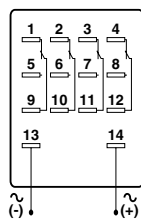
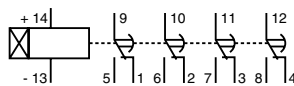
Connections

RTMA 2



13 - 14 Supply
 1 - 5 - 9 / 4 - 8 - 12 Timed or instantaneous
 (switch set to "INST") relay outputs

RTMA4



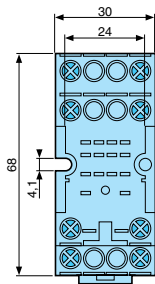
13 - 14 Supply
 1 - 5 - 9 / 2 - 6 - 10 / 3 - 7 - 11 / 4 - 8 - 11
 Timed or instantaneous (switch set to
 "INST") relay outputs

General characteristics

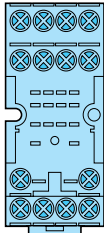
| | |
|--|---|
| Timing ranges | 0.1 → 1s 1 → 10s 0.1 → 1 min 1 → 10 min 0.1 → 1h 1 → 10 h 10 → 100 h |
| Display accuracy | -0 % / + 10 % at 25 °C of full scale, according to CEI/EN61812 |
| Repetition accuracy (with constant parameters) | ± 0.5 % |
| Drift Temperature | ± 0.05 %/°C |
| Drift Voltage | ± 0.2 %/V |
| Maximum reset time by de-energisation during timed delay | 50 ms |
| Maximum reset time by de-energisation after timing | 250 ms |
| Operating range | ±15 % of supply (AC) ±10 % of supply (DC) |
| Frequency (Hz) | 50/60 Hz ± 1 Hz |
| Immunity from micro power cuts : typical | < 5 ms |
| Ripple | ± 10 % (DC) |
| Operator factor | 100 % |
| Output specification | |
| Maximum power rating (resistive) | 1250 VA / 120 W |
| Minimum current | 100 mA |
| Maximum breaking voltage | 250 V AC |
| Type of contacts | AgNi |
| Max. permitted number of operations at 1 max 250 V AC resistive per hour | 600 |
| Electrical life at I max., 250 V AC resistive (number of operations) | 10 ⁵ |
| Mechanical life (operations) | 10 ⁷ |
| Breakdown voltage conforming to IEC/EN 61812-1 and 60601-1 | 2 kV at 1 mA / 1 min / 50 Hz |
| Function and use | |
| Display of output state by LED | Green : power on yellow : output on |
| Conformity to standards | CEI/EN61812-1, CEI/EN60601-1, EN50081-2, EN61000-6-2, CEI/EN60601-1-2, Directives BT (73/23/CEE + 93/68/CEE (CE marking)) + CEM (89/336/CEE) |
| Approvals | UL - cUL |
| Temperatures limits use (°C) | -20 → +60 |
| Temperature limits stored (°C) | -40 → +70 |
| Insulation coordination (IEC 60664-1) | 4 kV / surge category 3 |
| Degree of protection IEC 60529 | IP 50 (casing) |
| Vibration resistance acc. to IEC 68-2-6 | f = 10 → 55 Hz A = 0.35 mm |
| Relative humidity (no condensation) | 95 % max (CEI 60068-2-3) |
| Electromagnetic compatibility | Class 2 according to EN61812-1/A11 |
| Immunity to electrostatic discharges acc. IEC/EN 61000-4-2 | Level III (Air 8 K : contact 6kV) |
| Immunity to electrostatic fields acc. ENV 50140/204 (IEC 1000-4-3) | Level III (10 V/m : 26 MHz to 1 GHz / 900 MHz) |
| Immunity to rapid transient bursts acc. to IEC 1000-4-4 | Level III (Direct 2 kV : coupled 1kV) |
| Immunity to radio frequency in common mode acc. to ENV (CEI 1000-4-6) | Level III (10 V (rms) : 0.15 MHz to 80 Mhz) |
| Immunity to shock waves according to IEC/EN 61000-4-5 | AC : level III (common mode 2 kV, differential mode : 1 kV DC : MC/MD : 0.5 kV |
| Immunity to voltage dips and breaks acc. to IEC 1000-4-11 | 30 % / 10 ms 60 % / 100 ms / 1 s > 95 % 5 s |
| Mains-borne and radiated emissions acc. to EN 55022 (EN 55011 Group 1) | Class B |
| Material housing | Self-extinguishing |
| Weight (g) | 55 |

Dimensions

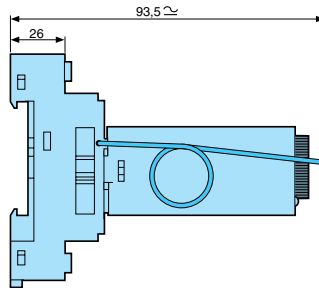
Base for DIN rail mounting
RTMA2 - 26 532 707



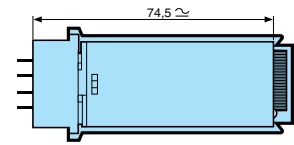
Base for DIN rail mounting
RTMA4 - 26 532 706



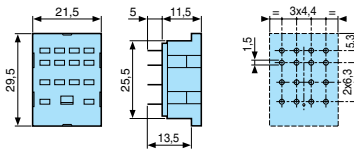
Spring clip for DIN rail base
26 532 702



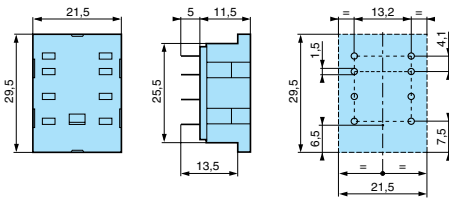
Spring clip for PCB base
26 532 704



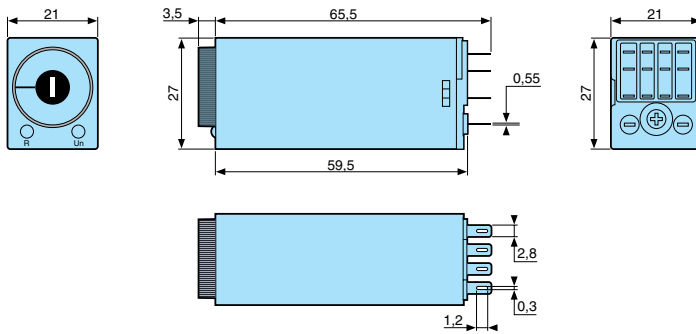
PCB base RTMA4 - 26 532 708



PCB base RTMA2
26 532 709

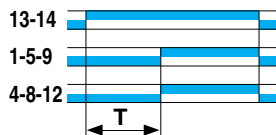


RTMA2 - RTMA4



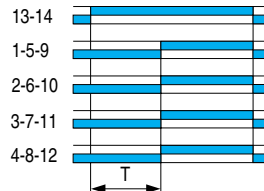
Curves

RTMA2



2 relays

RTMA4



4 relays

Other information

For single-range versions, please consult us.

