

RTM DIN rail mounted miniature electronic timers

Relay outputs

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

Characteristics

Accuracy

Repetition accuracy (with constant parameters)		± 0.5 %
Display accuracy		± 20 %
Variation according to VDE 0435	0 • 40 °C -10 • 60 °C	± 3 % ± 5 %
Maximum reset time by de- energisation	during timed delay after timing	100 ms 50 ms

Immunity from micro power cuts ≤ 0.01 s

Output specification RTMA2 RTMA4

Relay	2 changeover 4 changeover	● ●
Nominal current		5 A ~ 3 A ~
Nominal voltage		250 V ~ 250 V ~
Maximum power rating (resistive)		1100 VA/ 120 W 660 VA 72 W
Maximum admissible current		10 A <0.01 s 10 A <0.01s
Minimum current		100 mA 100 mA
Electrical life at I max. 250 V ~ resistive (cycles)		600 600
Max. permitted number of operations per hour at I max., 250 V ~, resistive		2 • 10 ⁵ 2 • 10 ⁵
Mechanical life (operations)		10 ⁷ 10 ⁷

Function and use

Display of output state by LED	output in operation power on	Red LED Green LED
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Voltage variation	12 V ≐ ± 10 % 24 V ≐ ± 10 % 24 V ~ ± 15 % 110 • 127 V + 10 % - 15 % 220 • 240 V + 10 % - 15 %
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Maximum absorbed power	1 W / 12 V ≐ 2 W / 24 V ≐ 2 VA / 24 V ~ 3 VA / 110 • 127 V ~ 4 VA / 220 • 240 V ~
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Temperature limits	Use Stored	-20 °C + 60 °C -30 °C + 70 °C
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Insulation according to standard VDE 0110 - IEC 255 group C 250 V ~ ≐

Protection class according to NFC 20010 - IEC 529 - DIN 40050 IP40

Conformity to standards IEC 255 VDE 0435-2021 ●

Protection from voltage surge (in Joules) 2

Approvals and agreements UL / CSA

Mounting	Printed circuit board base	2 changeover 4 changeover	● ●
	Screw terminal base	2 changeover 4 changeover	● ●

Weight (g) 50

Timing

Part numbers (and voltages)

12 V ≐
24 V ≐ ⁽¹⁾
24 V ~ - 50 • 60 Hz ⁽¹⁾
100 • 127 V ~ - 50 • 60 Hz
230 • 240 V ~ - 50 • 60 Hz

⁽¹⁾ For 48 V ≐ supply, additional resistor 560 Ω 2 W / 24 V ≐
For 48 V ~ supply, additional resistor 390 Ω 4 W / 24 V ~

Function

Relay output
Instantaneous changeover selection by "INST"

Nominal current

Timing ranges (6 available options)

0.1 s to 1 s	0.1 min to 1 min	0.1 h to 1 h
1 s to 10 s	1 min to 10 min	1 h to 10 h

Internal layout

Terminal identification

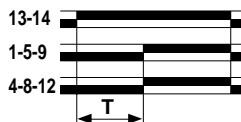
13 - 14 Supply	} Timed or instantaneous (switch set to "INST") relay outputs
1 - 5 - 9	
2 - 6 - 10	
3 - 7 - 11	
4 - 8 - 12	

Accessories

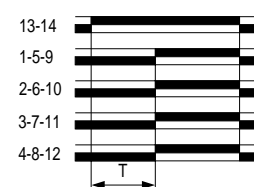
Base for printed circuit board	RTMA2 RTMA4	26 532 709 26 532 708
Base for DIN rail mounting	RTMA2 RTMA4	26 532 707 26 532 706
Spring clips for terminal base		26 532 702
Spring clips for P.C.B. base		26 532 704

Function diagrams

Function A
2 relay



Function A
4 relay



Other information

For single-range versions, please consult us.



0.1 s • 10 h

0.1 s • 10 h

RTMA2

- 88 895 101
- 88 895 102
- 88 895 103
- 88 895 106
- 88 895 107

RTMA4

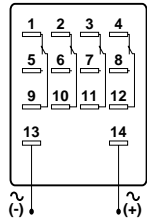
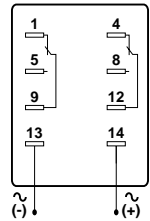
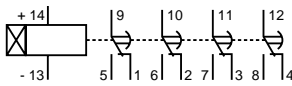
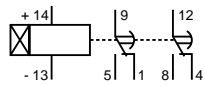
- 88 896 101
- 88 896 102
- 88 896 103
- 88 896 106
- 88 896 107

Mono-function A
2 timed changeover

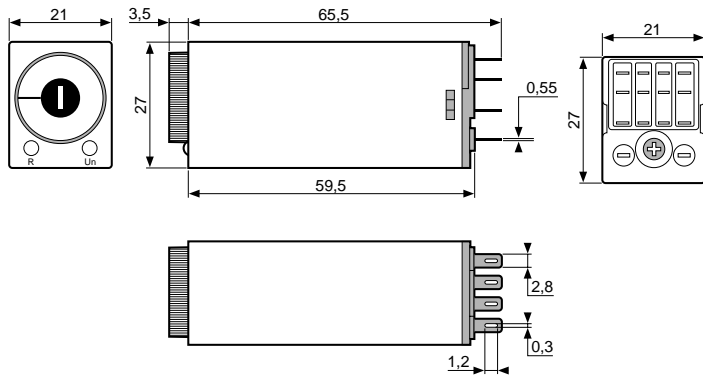
Mono-function A
4 timed changeover

5 A~

3 A~



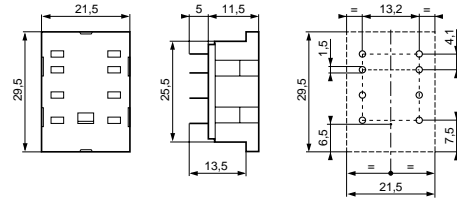
Dimensions



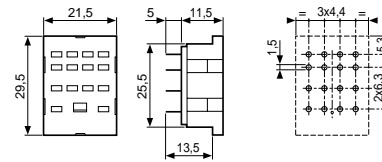
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Accessories

Base for printed circuit board
RTM A2 - 26 532 709

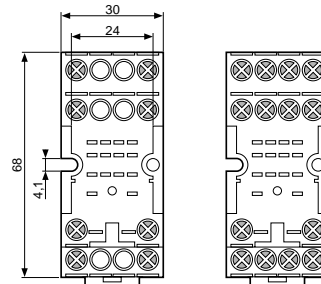


RTM A4 - 26 532 708



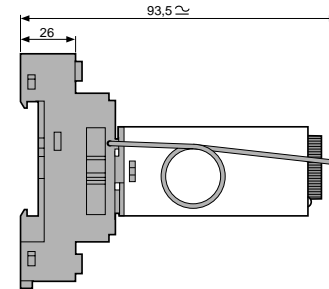
Base for rail mounting

RTM A2 - 26 532 707 - RTM A4 - 26 532 706

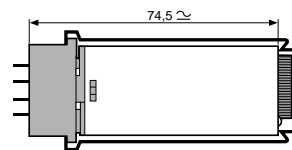


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Spring clips for terminal base
26 532 702



Spring clips for P.C.B. base
26 532 704



To order, specify:

Standard products

1 Type

2 Part number

Standard products, non stocked

Example : RTM miniature electronic timers - 88 895 102