

Octo

Series

Multifunction Timer - Type OM1

- Zoomvoltage : 12-240V AC/DC
- Housing for electrical installation, width 17,5 mm
- 8 functions, 8 time ranges
- Loadable control contact
- Indication of time period



325-6534

Important technical Data

1 Adjustable Functions with rotating switches

E	On Delay
R	Off Delay
Wu	Single shot leading edge
Ws	Single shot leading edge pulse started
Wa	Single shot trailing edge
Es	On delay with control contact
Bp	Flasher pause first
Wt	Pulse detection

2 Adjustable Time Ranges with rotating switches

seconds: 1, 10
minutes: 1, 10
hours: 1, 10
days: 1, 10
Time adjustment from 5-100% of selected time range

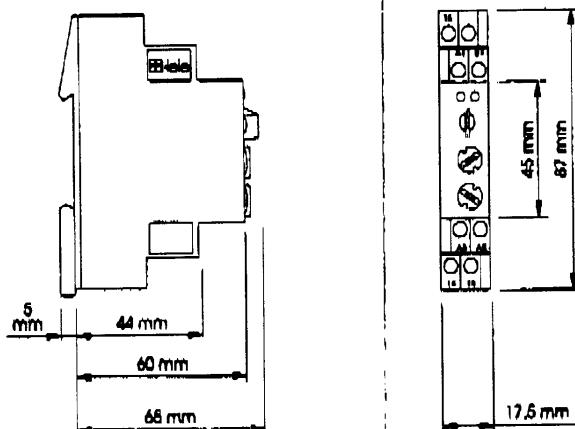
3 Display

Green LED On: Power on
Yellow LED On/Off: relay status
Green LED is blinking: Indication of timing period

4 Mechanical Specifications

Screw terminals up to 4 mm²
Rail mounting on DIN rails according to DIN 46277/3

Dimensions:



5 Supply Voltage

12 - 240V AC/DC on terminals A1 - A2
(+ pole on A1 at DC-supply)
Nominal frequency range: 48 - 63 Hz
Permissible voltage range: -10% to +10%
from -15°C onwards: -5% to +10%
Nominal consumption: 24V AC/DC: 1,5 VA (0,5W)
110V AC: 4VA (0,7W)
230V AC: 6VA (1,5W)

Reset time: max. 100ms
Protection against power failure: max. 10ms
Potential of power failure: > 30% of supply voltage

6 Output Contact

1 potential free change over
Switching capacity 8A, 250V AC, 2.000 VA
Switching capacity 5A, 250V AC, 1.250 VA
(units mounted without spacing)
Mechanical life: 30x10⁶ operations
Electrical life: 40x10⁴ operations (1kVA resistive load)
Switching frequency: max. 3600/h (100VA resistive load)

7 Control Contact

The control contact is loadable, that means it is possible to switch a parallel load with this contact
(Parallel load: min. 1VA or 0,5W).
It depends on the level of voltage: voltage B1-A2 must be at a minimum 90% of supply voltage
Wiring distance A1-B1: capacity must not exceed 10nF and resistance must not be below 1MΩ
Leakage current of parallel load: approx. 2mA at open control contact

8 Accuracy

base accuracy at min. and max. position: $\pm 0,5\%$
repetition accuracy under constant conditions:
 $< 0,5\%$ of end value or $\pm 5\text{ms}$
adjusting accuracy: $\leq 5\%$
influence of temperature: $\leq 0,01\%/\text{°C}$

