

› TMR48X

› Timers

› Panel Mount

› 48 x 48 Analog

- › Multi-function or mono-function
- › Multi-range from 0.02 s to 300 h
- › Multi-voltage 12 to 240 V $\square$ / 24 to 240 V
- › Time setting displayed on dial
- › 2 changeover relays 5 A / 250 V
- › Display of power and output states by 2 LEDs
- › Housing 48 x 48 mm



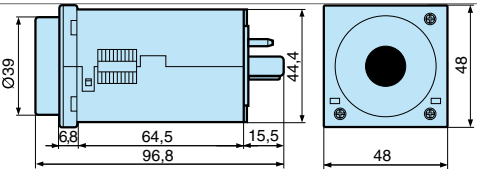
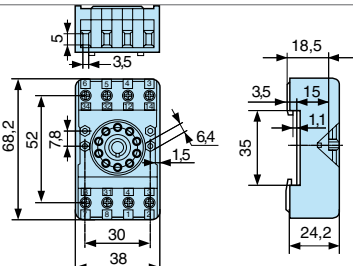
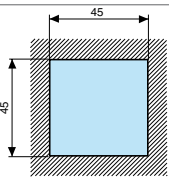
Specifications					
Functions	Relay outputs	Max. breaking current	Supply voltage	Connection	Code
A1, A2, H1, H2, Q1, Q2, D-Di	2 changeover or 1 timed and 1 instantaneous	5 A / 250 VAC	12 →240 VDC 24 →240 VAC	Plug-in 8 way	88886116

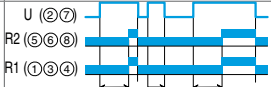
Supply	
Supply voltage Un	12 →240 VDC 24 →240 V AC
Operating range	± 10 % DC supply - 15 % / + 10 % AC supply
Frequency	50 / 60 Hz
Power consumption	4.8 VA / 230 VAC 2.5 VA / 110 VAC 1.1 VA / 24 VAC 0.5 W / 24 VDC 0.8 W / 12 VDC
Timing ranges (14 available options)	0,02 →1,2 s 0,05 →3 s 0,2 →12 s 0,5 →30 s 2 →120 s 5 →300 s 0,2 →12 min. 0,5 →30 min. 2 →120 min. 5 →300 min. 0,2 →12 h 0,5 →30 h 2 →120 h 5 →300 h
Repetition accuracy	± 0.5 % of full scale at 25 °C (typical with constant parameters)
Temperature drift according to CEI/EN 61812	± 0.05 % of full scale
Display precision	± 5 % of full scale at 25 °C

Supply	
Minimum pulse duration START	25 ms
Minimum pulse duration GATE	60 ms
Minimum pulse duration RESET	60 ms
Retard à la disponibilité par coupure de tension (START strappé)	50 ms

Output specification	
Nominal rating	2 x 5 A
Nominal insulation voltage	250 VAC
Rated power (resistive load)	2000 VA
Minimum current	10 mA
Electrical life at I max. 250 V AC resistive (number of operations)	10 ⁵
Mechanical life (operations)	30 x 10 ⁶

Function and use	
Display of output state by 2 LEDs	Green : power ON flashing during timing Yellow : ON output ON OFF output OFF
Operating temperature range (°C)	-20 → +55
Storage temperature range (°C)	-40 → +70
Breakdown voltage	2 KV
Protection class (IEC 60529) - Panel-mounted	IP 50
Protection class (IEC EN/60529) - Casing	IP 40
Housing material	self-extinguishing
Weight (g)	140

Dimensions	
TMR 48 U / A / X / L	
	
35 mm DIN rail base with clips 79 237 739	Panel cut-out
	

Curves	
Function A1	
Delay on energisation	
Function A2	
Delay on energisation	
Function H1	
Timing on energisation	

Curves	
Function H2 Timing on energisation	
Function Q1 Star-delta	
Function Q2 Star-delta 2	
Function D-Di Cyclic timing : symetric recycler	
Connections	
TMR 48 X	