TMR48 Series Electronic Timers

PRODUCT FEATURES

- Multi-function or mono-function
- Multi-range from 0.02 s to 300 h
- Multi-voltage 12 to 240 VDC / 24 to 240 V AC
- 2 changeover relays 5 A / 250 VAC
- Display of power and output states by 2 LEDs
- Housing 48 x 48 mm

Instructions

TMR 48

Function	Connection	Supply Voltage	Nominal Rating	Part number	
A, Ac, B, Bw, G, W	11-Pin	12-240VDC, 24-240VAC	5A SPDT	**88886016**	Check Stock
Delay-on-Make	8-Pin	12-240VDC, 24-240VAC	5A SPDT	**88886106**	Check Stock
A1, A2, D-Di, H1, H2, Q1, Q2	8-Pin	12-240VDC, 24-240VAC	5A SPDT	**88886116**	Check Stock
L, Li, G, Gi	11-Pin	12-240VDC, 24-240VAC	5A SPDT	**88886516**	Check Stock

TMR 48 analog timers

➜ TMR 48

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

Specifications

Type	Functions	Relay outputs	Max. breaking current	Supply voltage	Connection	Part Number
TMR 48 U	A, B, C, W, G, Ac, Bw	2 timed changeover	5 A / 250 VAC	12 ➞ 240 VDC 24 ➞ 240 VAC	Plug-in 11 pin	**88 886 016**
TMR 48 A	A	2 timed changeover	5 A / 250 VAC	12 ➞ 240 VDC 24 ➞ 240 VAC	Plug-in 8 pin	**88 886 106**
TMR 48 X	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 pin	**88 886 116**
TMR 48 L	L, Li, G, Gi	2 timed changeover	5 A / 250 VAC	12 ➞ 240 VDC 24 ➞ 240 VAC	Plug-in 11 pin	**88 886 516**

Accessories

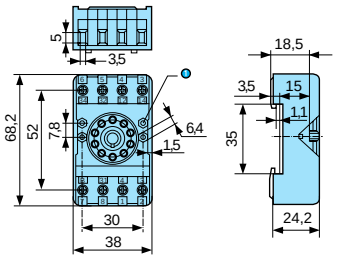
Accessories	Part Number	Part Number	Part Number
11-pin connector base	SA11NN	S11	25 622 080
8-pin connector base	SA8NN	S08	25 622 130
Spring clips (packet of 2) [For use with socket part numbers 25 622 808 and 25 622 130 only]			79 237 740
face plate or housing in black, gray, or other color			consult us

General characteristics

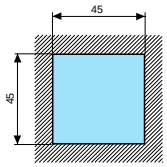
Supply voltage Un	12 ➞ 240 VDC 24 ➞ 240 V AC
Operating range	± 10 % DC supply - 15 % / + 10 % AC supply
Frequency	50 / 60 Hz
Power consumption	4.8 VA / 230 VAC 2.5 VA / 110 VAC 1.1 VA / 24 VAC 0.5 W / 24 VDC 0.8 W / 12 VDC
Timing ranges (14 available options)	0,02 ➞ 1,2 s 0,2 ➞ 12 min. 0,2 ➞ 12 h 0,05 ➞ 3 s 0,5 ➞ 30 min. 0,5 ➞ 30 h 0,2 ➞ 12 s 2 ➞ 120 min. 2 ➞ 120 h 0,5 ➞ 30 s 5 ➞ 300 min. 5 ➞ 300 h 2 ➞ 120 s 5 ➞ 300 s
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 accuracy	± 5 % of full scale at 25°C
Minimum pulse duration START	25 ms
Minimum pulse duration GATE	60 ms
Minimum pulse duration RESET	60 ms
	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)	30×10^6
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 60529) - Casing	IP 40
Material housing	self-extinguishing
Weight (g)	140

Dimensions

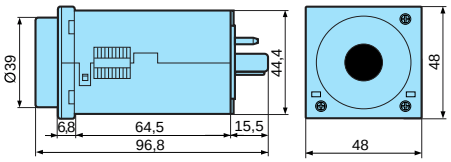
35 mm DIN rail base with clips 79 237 739



Panel cut-out

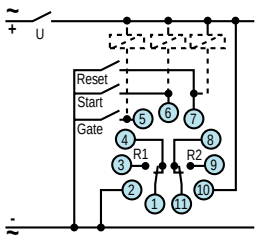


TMR 48 U / A / X / L

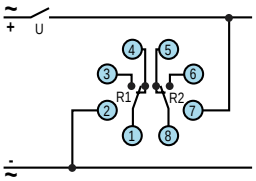


Connections

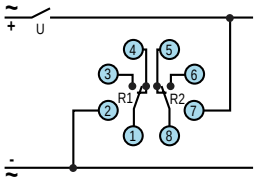
TMR 48 U



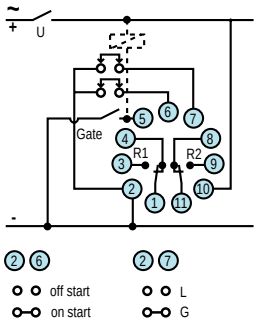
TMR 48 A



TMR 48 X

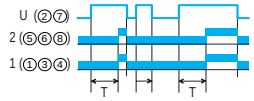


TMR 48 L

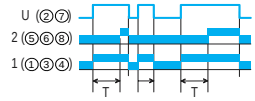


Time Function Curves

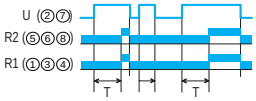
Function A (TMR 48 A)
Delay on make (delay on energisation)



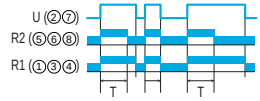
Function A1
Delay on make (delay on energisation)



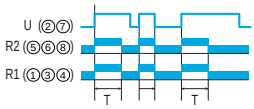
Function A2
Delay on make (delay on energisation)



Function H1
Timing on energisation - interval



Function H2
Timing on energisation - interval



Function Q1
Star-delta