

812 - 814 - 815 - 815 E digital timers Timer 815 Part number 88857301



Relay output digital timers

- LCD or LED (815E)
- Multi-range
- Multi-voltage
- 1 or 2 relay outputs
- Reset function on panel (Timers 815, 815E)
- Data saved in the event of a break in supply (Timer 815, 815E)
- Access to programming lockable (Timer 814, 815 and 815E)
- Up or down timing mode
- Internal power supply by battery (10 years / 20 °C) (Not 815E)

Part numbers

	Type	Functions	Connections	Relay outputs	Supply voltage	Nominal rating
88857301	Timer 815	A1, A2, AM, AMt	11-pin plug-in	1 timed changeover or instantaneous	24 V DC/AC220 →240 V AC	2 x 8 A

Specifications

Number of digits	4
Height of digits	TIMER 812 - 814 - 815 : 8 mm TIMER 815E : 7mm
Timing ranges	99,99 s 999,9 s 9999 s 99 min 59 s 99,99 min 999,9 min 9999 min 99 h 59 min 99,99 h 999,9 h 9999 h (? 815E)
Repetition accuracy (with constant parameters)	TIMER 812 - 814 - 815 : $\pm 0,03 \% \pm 20 \text{ ms}$ TIMER 815E : $\pm 0,01 \%$
Display precision	TIMER 812 - 814 - 815 : $\pm 0,03 \% \pm 20 \text{ ms}$ TIMER 815E : $\pm 0,01 \%$
Min. control pulse	50 ms
Maximum reset time by de-energisation during timed delay	50 ms
Maximum reset time by de-energisation after timing	50 ms
Nominal rating	TIMER 814 - 815 : 8 A AC 8 A DC TIMER 812 : 5 A AC 5 A DC TIMER 815E : 5 A - 250 V AC
Max. breaking voltage	TIMER 812 - 814 - 815 : 250 V AC 30 V DC TIMER 815E : 250 V AC 20 V DC
Maximum power rating (resistive)	TIMER 814 - 815 : 2000 VA - 190 W TIMER 812 : 1250 VA - 120 W TIMER 815E : 1500 VA - 100 W
Maximum admissible current	15 A < 0,01 s
Minimum current	TIMER 812 - 814 - 815 : 250 V AC 30 V DC 100 mA TIMER 815E : 500 mW (10 V / 5 mA)
Electrical life at I max., 250 V AC resistive (cycles)	10 ⁵
Max. permitted number of operations at 1 max 250 V AC resistive per hour	600
Mechanical life (operations)	TIMER 812 - 814 - 815 : 5×10^6 TIMER 815E : 20×10^6
Voltage variation	TIMER 814 : + 10 % - 15 % TIMER 815E : + 10 % - 10 %
Immunity from micro power cuts	< 0,03 s
Max. absorbed power	0.5 W / 12 V 1 VA / 24 V 0.5 W / 24 V 3.5 VA / 110 V 1 W / 48 V 11 VA / 220 V TIMER 815E : Max. 3 W
Temperature limits use (°C)	TIMER 812 - 814 - 815 : -10 °C →+60 °C TIMER 815E : 0 °C →+60 °C
Temperature limits stored (°C)	TIMER 812 - 814 - 815 : -30 °C →+70 °C TIMER 815E : -30 °C →+80 °C
Degree of protection front face	TIMER 812 - 814 - 815 : IP65 TIMER 815E : IP30
Insulation according to standard IEC/EN 61812-1, IEC/EN 60255-5	EN61812-1 - IEC255-5
Protection class according to CEI/EN 60529	■

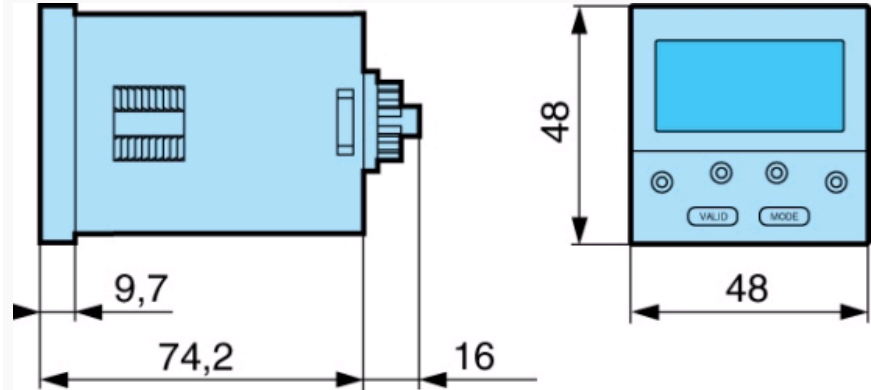
Mounting Front panel, by clip	▪
Mounting base-mounted on socket	▪
Material	Self-extinguishing UL 94 grade V0
Weight (g)	TIMER 814 : 100 TIMER 812 - 815 : 140 TIMER 815E : 120

Accessories

Accessories	Code
8-pin solder-connected plug	25622301
11-pin connector base	25622080
11-pole rear base	79694002

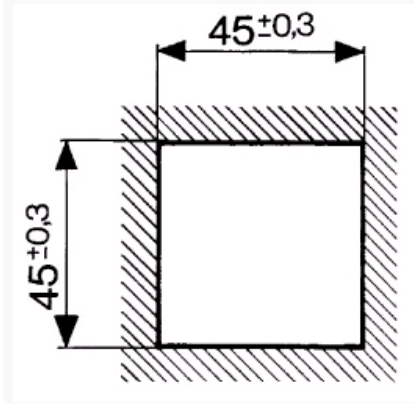
Dimensions (mm)

Timer 812 - 814 - 815

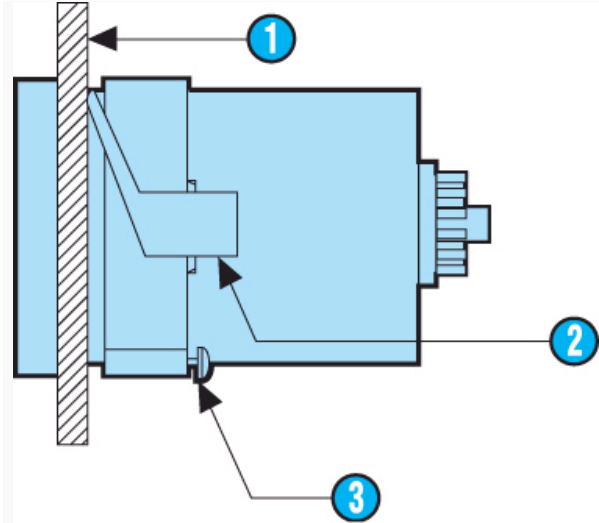


Dimensions (mm)

Panel cut-out



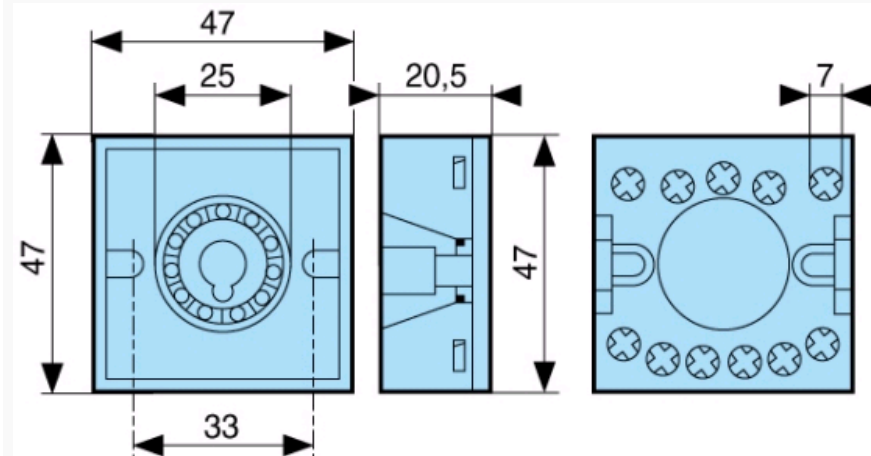
Dimensions (mm)



N°	Legend
1	Panel thickness 1 to 3,5 mm
2	Clip for panel-mounting
3	Positioning screw

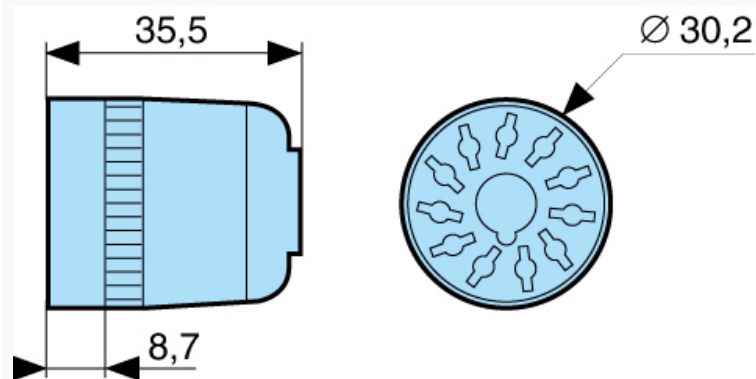
Dimensions (mm)

11-pole rear base
79694002
Panel-mounted



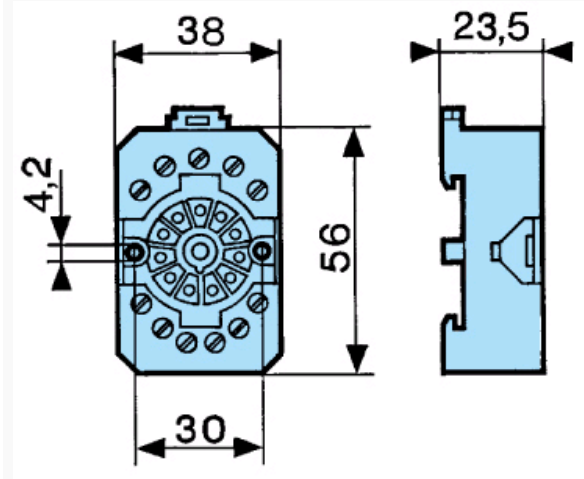
Dimensions (mm)

8-pin or 11-pin solder-connected plug
25622076 - 25622301



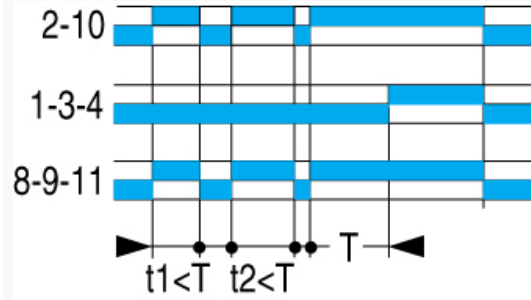
Dimensions (mm)

Connector socket
11-pin 25622080



Curves

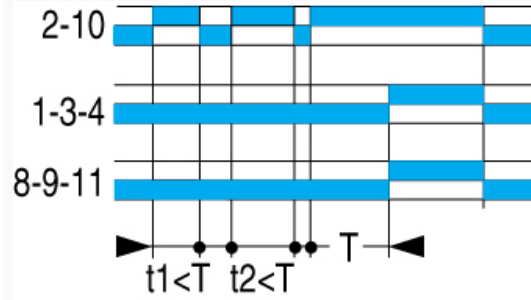
Function A1



Function A1
Delay on energisation 1 timed relay 1 instantaneous relay

Curves

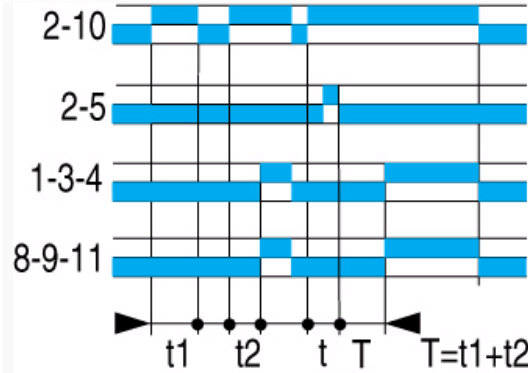
Function A2



Function A2
Delay on energisation 2 timed relays

Curves

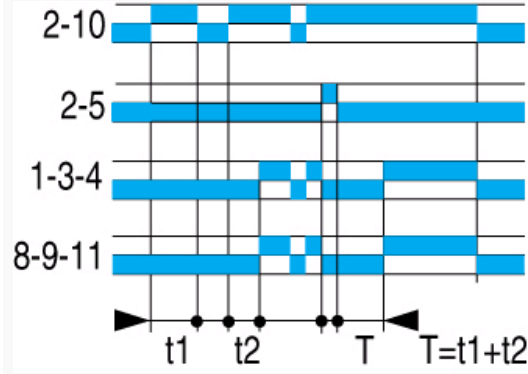
Function AM



Function AM
Delay on energisation Memory during timing. Reset

Curves

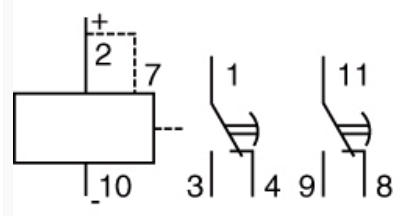
Function AMt



Function AMt
Delay on energisation Memory during and after timing. Reset

Connections

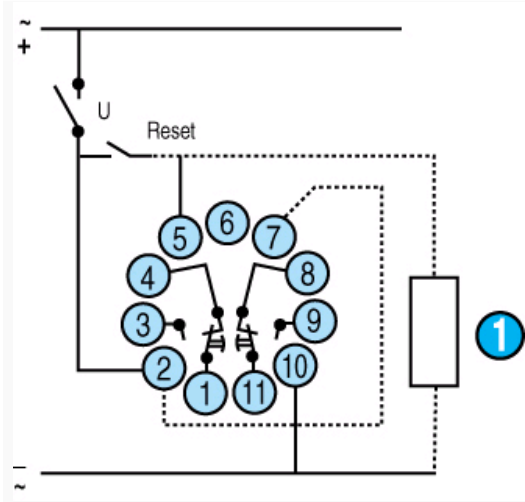
Timer 815 - 11-pin



N°	Legend
	Supply
	Bridge (88 857 301-88 857 302-88 857 307)
1-3-4	Timed output contact
	Timed or instantaneous output contact

Connections

Timer 815 - 11-pin



N°	Legend
1	Other loads may be connected in parallel

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