



## 88857105-Timer 814



- 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)

### Number of digits

Height of digits	TIMER 812 - 814 - 815: 8 mm TIMER 815E: 7mm
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### Timing ranges

Repetition accuracy (with constant parameters)	TIMER 812 - 814 - 815: $\pm 0,03\% \pm 20$ ms TIMER 815E: $\pm 0,01\%$
Display precision	TIMER 812 - 814 - 815: $\pm 0,03\% \pm 20$ 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

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 / 5mA)
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: $5 \times 10^6$ TIMER 815E: $20 \times 10^6$

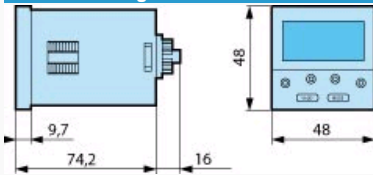
### Voltage variation

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 VDE 0010-IEC 255 group C	EN61812-1 - IEC255-5
Protection class according to UTE C 20010 - IEC 529 - DIN 40050	•
Conformity to standards IEC 255 - VDE 0435 - 2021	•
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

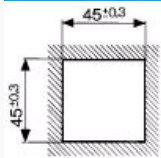
### Accessories

	Code
8-pin solder-connected plug	25622301
11-pin solder-connected plug	25622076
Spring clips (pack of 2)	79237739
11-pin connector base	25622080
8-pin connector base	25622130
11-pole rear base	79694002

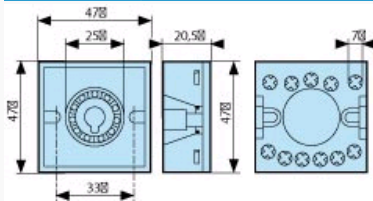
## Dimension Diagram : Timer 812 - 814 - 815



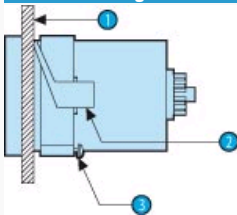
## Dimension Diagram : Panel cut-out



## Dimension Diagram : 11-pole rear base 79694002 Panel-mounted

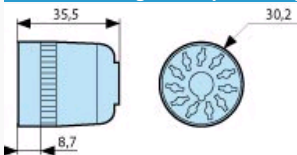


## Dimension Diagram :

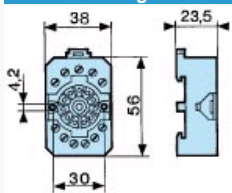


N°	Legend
1	Panel thickness 1 to 3,5 mm
2	Clip for panel-mounting
3	Positioning screw

## Dimension Diagram : 8-pin or 11-pin solder-connected plug 25 622 076 - 25 622 301



## Dimension Diagram : Connector socket 11-pin 256220808-pin 25622130



## Curves : Function A

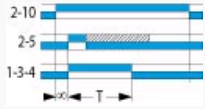


## Function A

Delay on energisation

1 timed relay

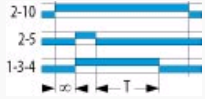
Curves : Function B



Function B

Timing on impulse (one shot)

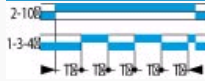
Curves : Function C



Function C

Timing after impulse (delay off)

Curves : Function D



Function D

Flip-flop

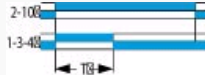
Curves : Function Di



Function Di

Flip-flop

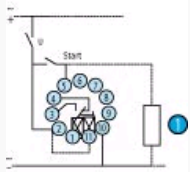
Curves : Function H



Function H

Timing or energisation

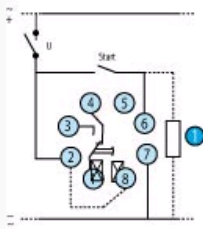
: Timer 814 - 11-pin



N° Legend

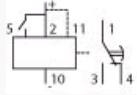
1 Other loads may be connected in parallel

: Timer 814 - 8-pin



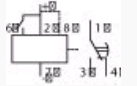
N°	Legend
1	Other loads may be connected in parallel

#### : Timer 814 - 11-pin



N°	Legend
2-10	Supply
(2-11)	Bridge (88 857 003-88 857 005)
2-5	Control contact or reset
1-3-4	Timed output contact

#### : Timer 814 - 8-pin



N°	Legend
2-7	Supply
(2-8)	Bridge (88 857 103-88 857 105)
2-6	Control contact reset
1-3-4	Timed output contact