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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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48 x 48 Digital LCD Timer 812 Part number 88857409



Relay output digital timers

- Multi-range
- Multi-voltage
- 1 or 2 relay outputs
- Data saved in the event of a break in supply (Timer 815)
- Access to programming lockable (Timer 814, 815)
- Up or down timing mode
- Internal power supply by battery (10 years / 20 °C)

Part numbers

	Type	Functions	Connection	Relay outputs	Supply voltage	Nominal rating
88857409	Timer 812	A	Plug-in 8 way	2 double timed changeover	24 V ACDC	2 x 5 A

Specifications

Number of digits	4
Height of digits	TIMER 812 - 814 - 815 : 8 mm
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
Repetition accuracy (with constant parameters)	TIMER 812 - 814 - 815 : $\pm 0,03 \% \pm 20$ ms
Display precision	TIMER 812 - 814 - 815 : $\pm 0,03 \% \pm 20$ ms
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
Max. breaking voltage	TIMER 812 - 814 - 815 : 250 V AC 30 V
Maximum power rating (resistive)	TIMER 814 - 815 : 2000 VA - 190 W TIMER 812 : 1250 VA - 120 W
Maximum admissible current	15 A < 0,01 s
Minimum current	TIMER 812 - 814 - 815 : 250 V AC 30 V DC 100 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
Voltage variation	TIMER 814 : + 10 % - 15 %
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
Temperature limits use (°C)	TIMER 812 - 814 - 815 : -10 °C → +60 °C
Temperature limits stored (°C)	TIMER 812 - 814 - 815 : -30 °C → +70 °C
Degree of protection front face	TIMER 812 - 814 - 815 : IP65
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

Accessories

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

02/11/2015	www.crouzet.com	
8-pin solder-connector base	79694016	
11-pole rear base	79694002	

Dimensions (mm)

Timer 812 - 814 - 815

Technical drawing of the timer showing side and front views with dimensions. The side view shows a total width of 74,2 mm, a mounting flange width of 9,7 mm, and a rear base offset of 16 mm. The front view shows a square face with a width and height of 48 mm.

Dimensions (mm)

Panel cut-out

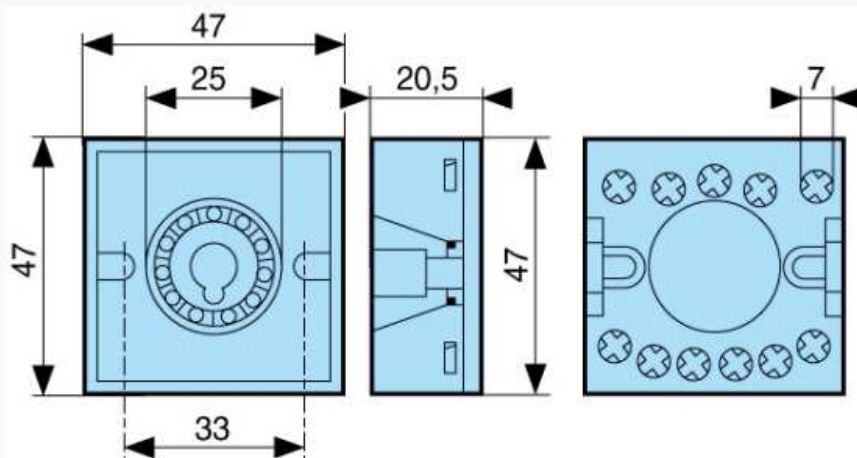
Technical drawing of the panel cut-out showing a square opening with dimensions of 45±0,3 mm by 45±0,3 mm.

Dimensions (mm)

Technical drawing of the timer mounted on a panel. Callout 1 points to the panel thickness, callout 2 points to the mounting clip, and callout 3 points to the positioning screw.

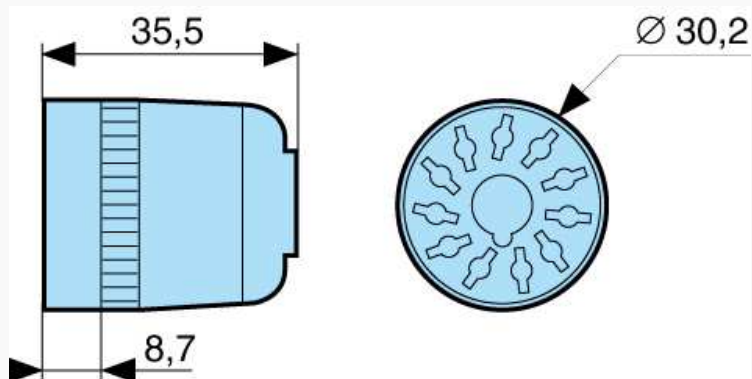
N°	Legend
1	Panel thickness 1 to 3,5 mm
2	Clip for panel-mounting
3	Positioning screw

Dimensions (mm)
11-pole rear base

**Dimensions (mm)**

8-pin or 11-pin solder-connected plug

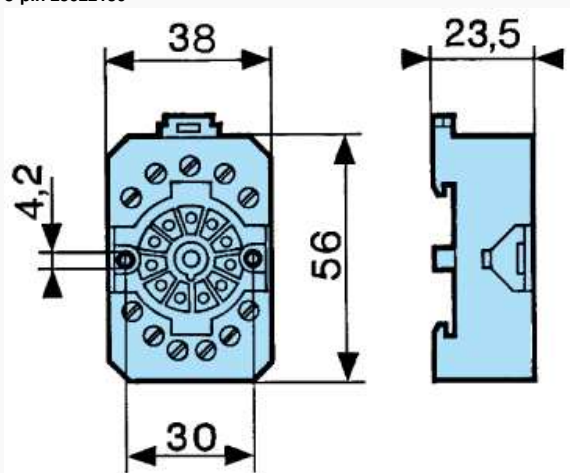
25622076 - 25622301

**Dimensions (mm)**

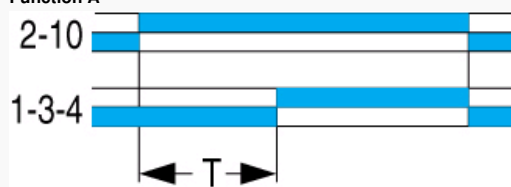
Connector socket

11-pin 25622080

8-pin 25622130

**Curves**

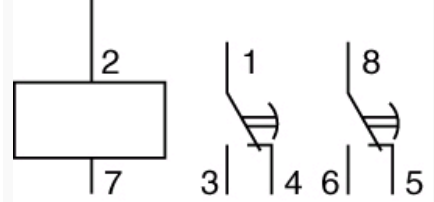
Function A



Function A
Delay on energisation 1 timed relay

Connections

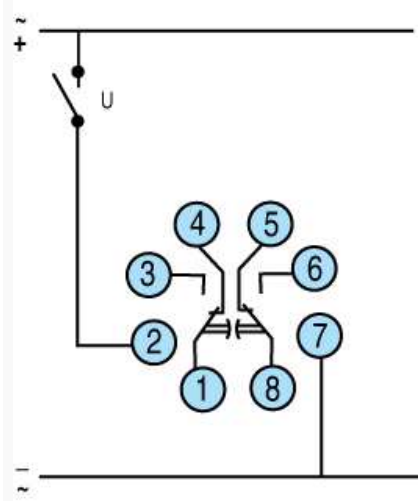
Timer 812 - 8-pin



N°	Legend
2-7	Supply
1-3-4	Timed output contact
	Timed output contact

Connections

Timer 812 - 8-pin



Connections

CA 88857400

	CA 88857400
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