



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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 LED Timer 816 Part number 88857601



### Relay output

- Multi-range
- Multi-voltage
- 1 relay output
- Access to programming locked
- 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
88 857 601	Timer 816	A, B, C, D, Di, H	Plug-in 8 way	1 timed changeover	24 V ACDC / 220 à 240 V AC	8 A

### Specifications

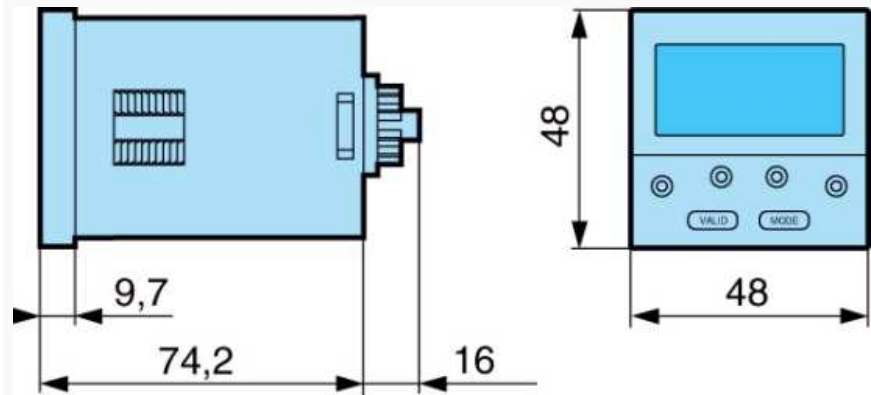
Number of digits	4
Height of digits	7 mm
Timing ranges	99 • 99 s 999 • 9 s 9999 s 99 mn 59 s 99 • 99 mn 999 • 9 mn 9999 mn 99 h 59 mn 99 • 99 h 999 • 9 h 9999 h
Repetition accuracy (with constant parameters)	± 0,03 % ± 20 ms
Display precision	± 0.03 % ± 20 ms
Min. control pulse	50 ms
Maximum reset time by de-energisation during timed delay	50 ms
Maximum reset time by de-energisation after timing	50 ms
Nominal rating	8 A AC 8 A DC
Max. breaking voltage	250 V AC 30 V DC
Maximum power rating (resistive)	2000 VA - 190 W
Maximum admissible current	15 A < 0,01 s
Minimum current	100 mA
Electrical life at I max., 250 V AC resistive (cycles)	10 <sup>5</sup>
Max. permitted number of operations at 1 max 250 V AC resistive per hour	600
Mechanical life (operations)	5 x 10 <sup>6</sup>
Voltage variation	+ 10 % - 15 %
Immunity from micro power cuts	< 0,03 s
Maximum power consumption	0.5 W/24 V 1.5 W/48 V 1 VA/24 V 1, 5, VA/48 V 4 VA/110 V 12 VA/230 V
Temperature limits use (°C)	-10 → +60
Temperature limits stored (°C)	-30 → +70
Degree of protection front face	IP65
Insulation according to standard IEC/EN 61812-1, IEC/EN 60255-5	•
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)	100

### Accessories

Accessories	Code
Asymmetrical adaptor A	79 694 005
8-pin solder-connected plug	25 622 301
11-pin solder-connected plug	25 622 076
8-pin solder-connected base	79 694 016

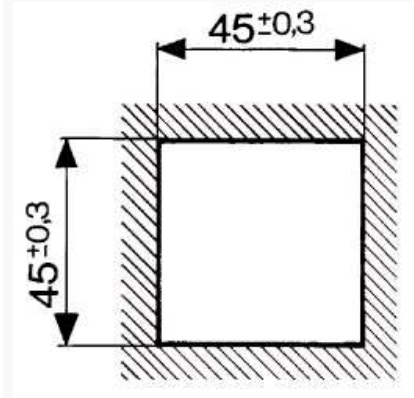
Spring clips (pack of 2)	79237739
11-pin connector base	25622080
8-pin connector socket	25 622 128
11-pin rear base	79 694 002

Dimensions (mm)

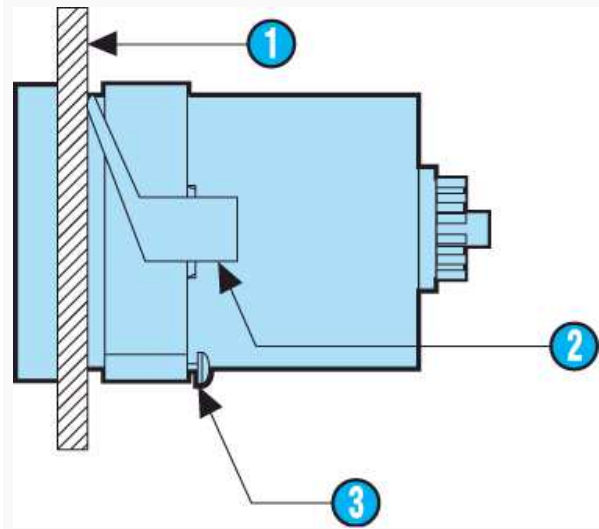


Dimensions (mm)

Panel cut-out

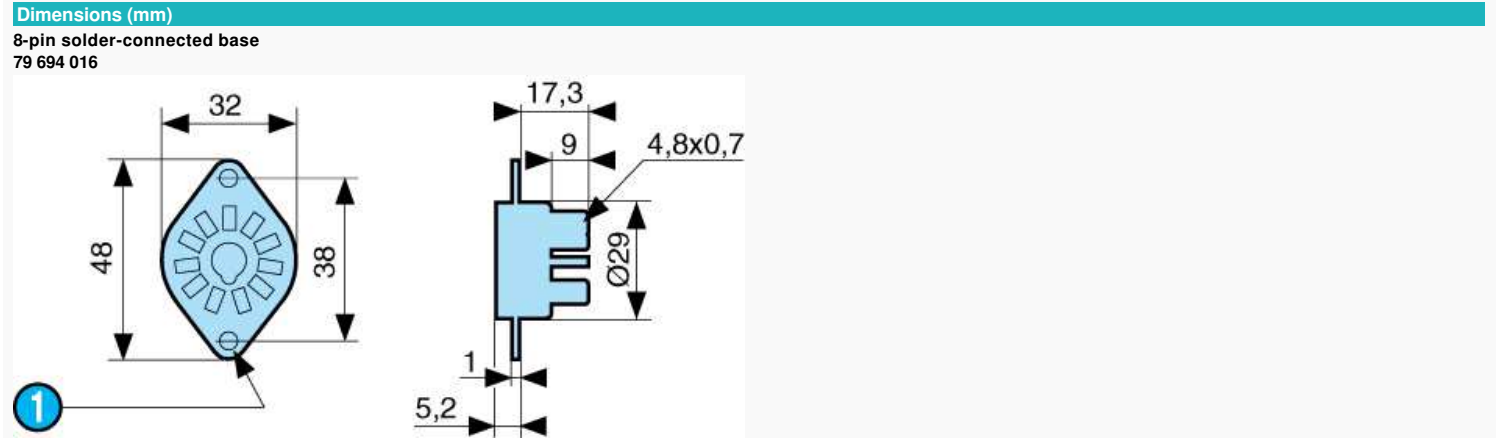
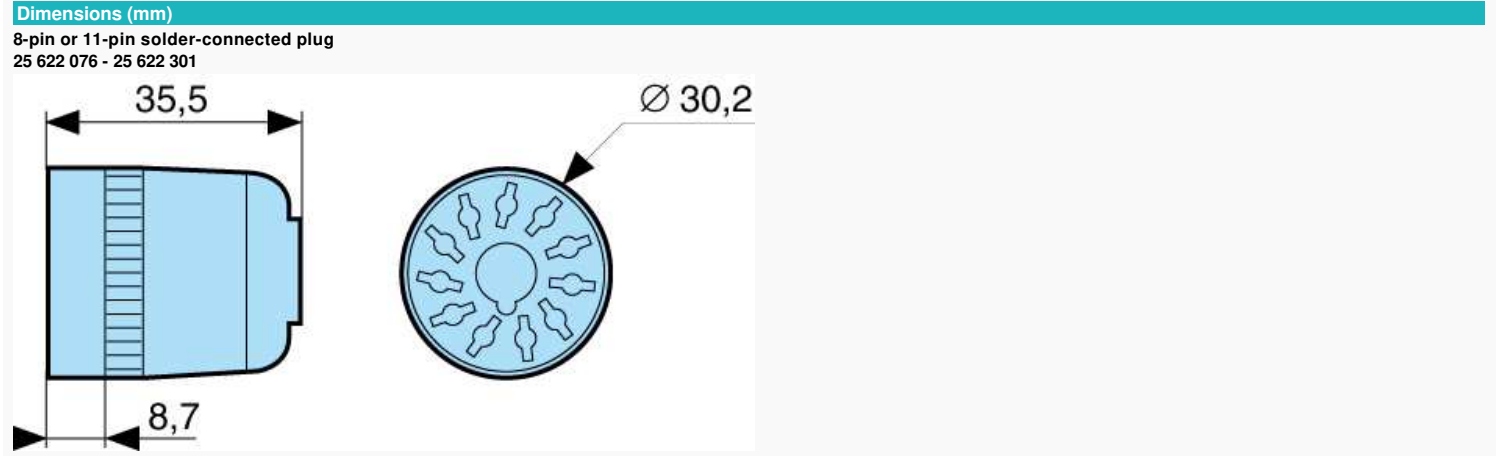
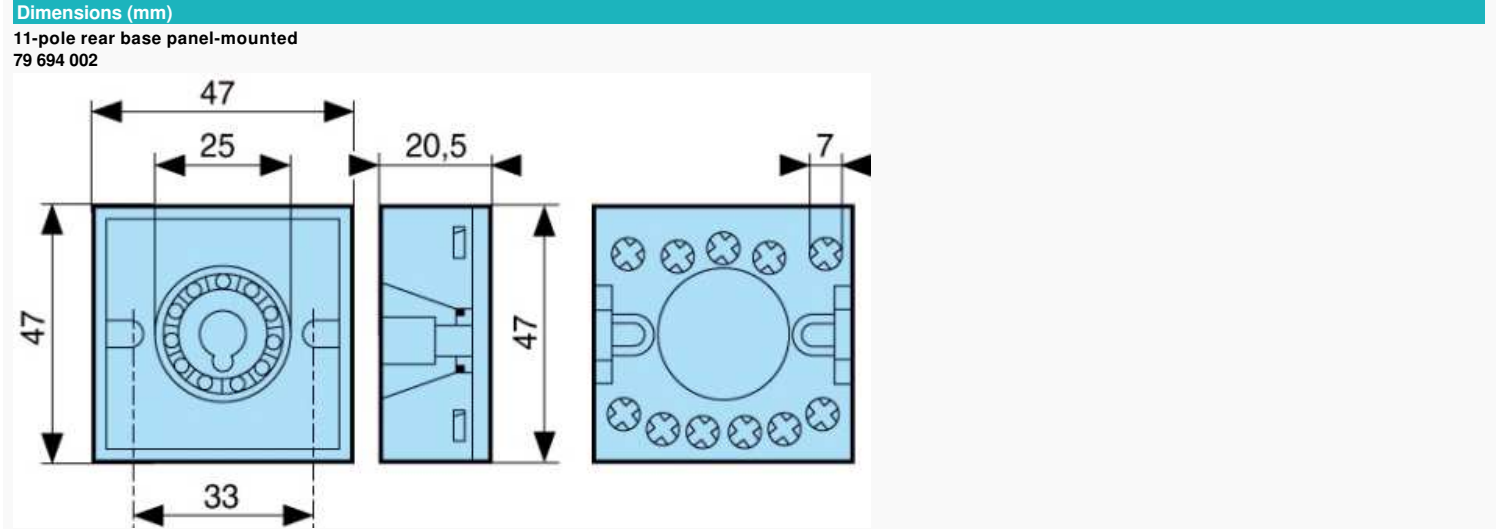


Dimensions (mm)

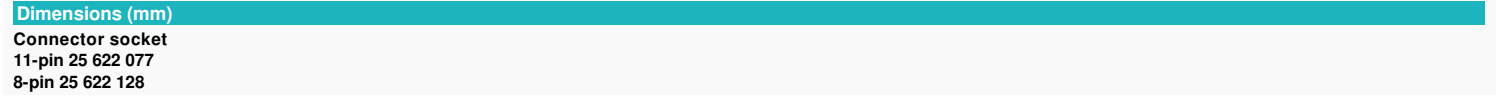


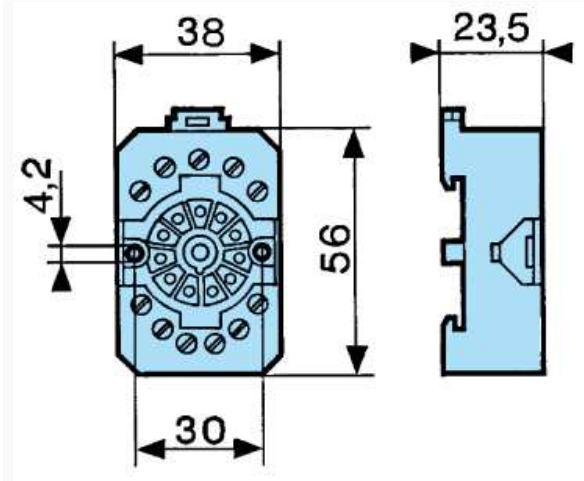
N°	Legend
1	Panel thickness 1 to 3,5 mm
2	Clip for panel-mounting
3	Positioning screw



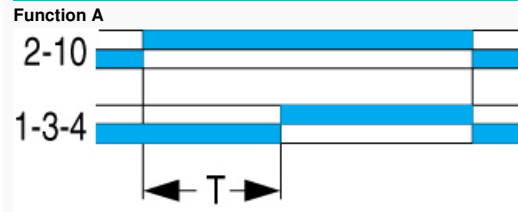


N°	Legend
1	2 holes



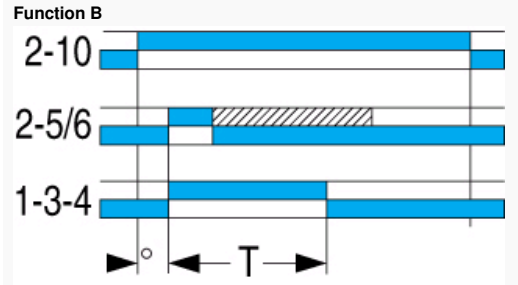


Curves



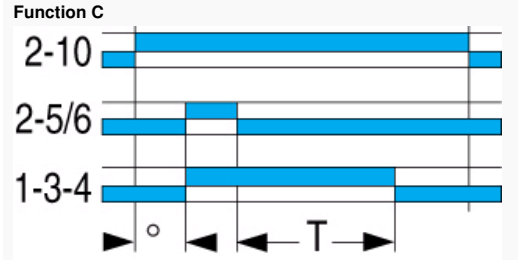
Function A
Delay on energisation 1 timed relay

Curves



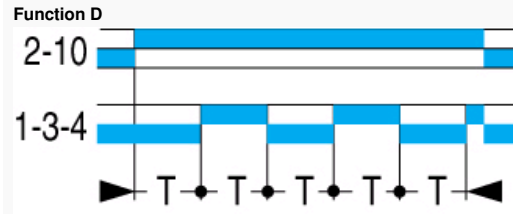
Function B
Timing on impulse (on shot)

Curves



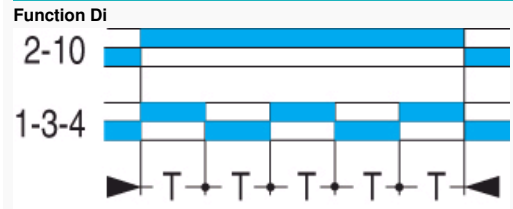
Function C
Timing after impulse (delay off)

Curves



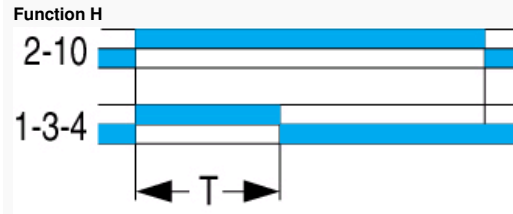
Function D
Flip-flop

Curves



Function Di
Flip-flop

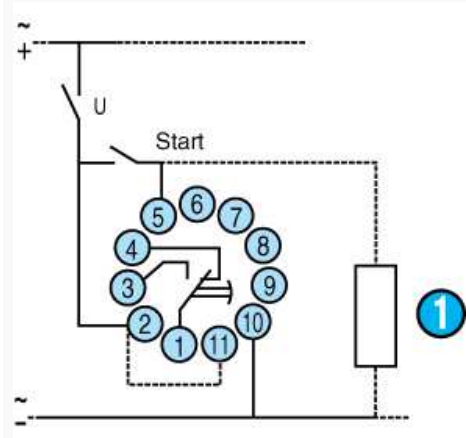
Curves



Function H
Timing or energisation

Connections

Timer 816 - 11-pin



N°	Legend
①	Other loads may be connected in parallel

Connections

Timer 816 - 8-pin

N°	Legend
1	Other loads may be connected in parallel

Connections

Timer 816 - 11-pin

N°	Legend
2-10	Supply
(2-11)	Bridge for 24 V supply
2-5	Control contact reset
1-3-4	Timed output contact

Connections


Timer 816 - 8-pin

N°	Legend
2-7	Supply
(2-8)	Bridge for 24 V supply
2-6	Control contact reset

1-3-4	Timed output contact
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Connections

CA 88857601

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