

TIMER 816 panel-mounted digital display electronic timers

Relay output

- Bright red display
- Multi-function
- 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)

Characteristics

Display

Number of digits	4
Height of digits	7 mm

Accuracy

Repetition accuracy (with constant parameters)	± 0.03 % ± 20 ms
Display accuracy	± 0.03 % ± 20 ms
Min. control pulse	50 ms
Maximum reset time by de-energisation	during timed delay 50 ms after timing 50 ms

Output specification

Nominal current	8 A ~ 8 A ~
Max. breaking voltage	250 ~ 30V ~
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 ~, resistive (cycles)	10 ⁵
Max. permitted number of operations per hour at I max., 250 V ~, resistive	600
Mechanical life (operations)	5 • 10 ⁶

Function and use

Voltage variation	+ 10 % -15 %
Immunity from micro power cuts	< 0.03 s
Maximum absorbed power	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/230V

Temperature limits	Use Stored	-10 °C + 60 °C -30 °C + 70 °C
Panel protection		IP65
Insulation according to standard VDE 0110 and IEC 255 group C		•
Protection class according to UTE C 20010 IEC 529 - DIN 40050		•
Conformity to standards IEC 255 VDE 0435 - 2021		•
Mounting	Panel-mounted by clip Base-mounted on socket	• •
Housing		Self-extinguishing to UL 94 grade V0
Weight (g)		100

Timing

Types

8-pin plug-in

11-pin plug-in

Part numbers (and voltages)

24 V ~ / 48V ~ - 50 • 60 Hz
24 V ~ / 110V ~ - 50 • 60 Hz
24 V ~ / 220 • 240V ~ - 50 • 60 Hz

Functions

Relay output

Nominal current

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	

Internal layout

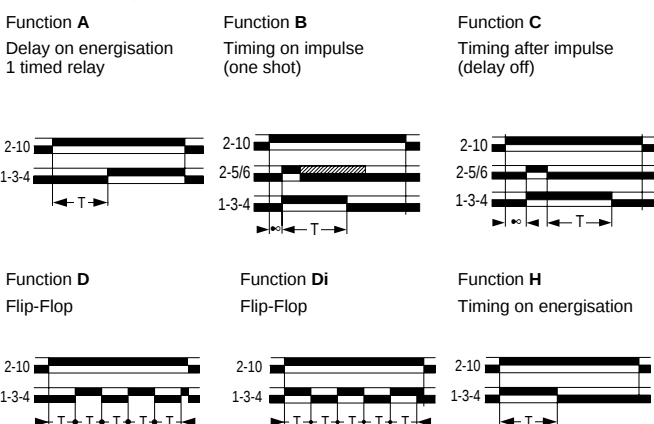
Terminal identification

- 2 - 10 or 2 - 7 Supply
- Bridge (2 - 11) or (2 - 8) for 24 V supply
- 2 - 5 or 2 - 6 Control contact or reset
- 1 - 3 - 4 Timed output contact

Accessories

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	79 237 739
11-pin connector socket	25 622 077
8-pin connector socket	25 622 128
11-pin rear base	79 694 002

Function diagrams





0.01 s • 9999 h

Timer 816

88 857 604
88 857 607
88 857 601

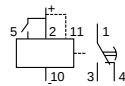
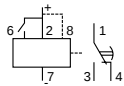
88 857 704
88 857 707
88 857 701

Multi-function
A, B, C, D, Di, H
1 timed
changeover

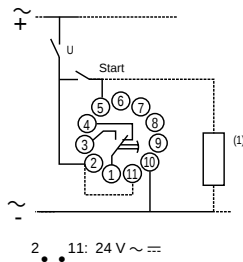
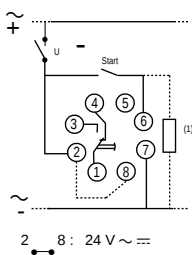
Multi-function
A, B, C, D, Di, H
1 timed
changeover

8 A

8 A



Connections



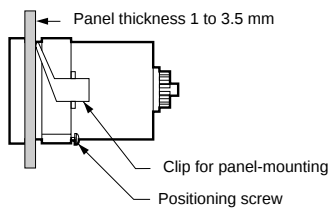
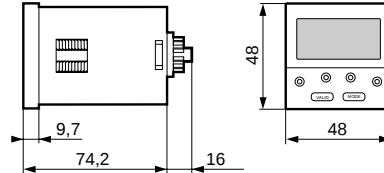
⁽¹⁾ Other loads may be connected in parallel

1

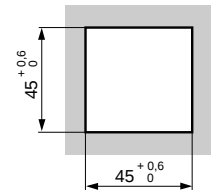
2

3

Dimensions

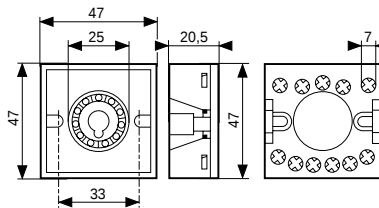


Panel cut-out

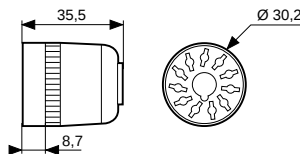


Accessories

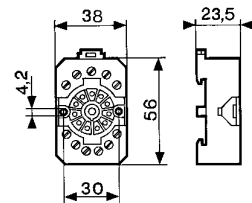
11-pin rear base
79 694 002
Panel-mounted



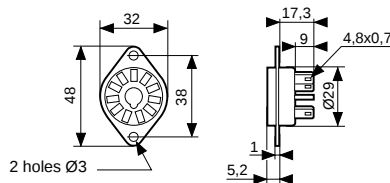
8-pin or 11-pin solder-connected plug
25 622 076 - 25 622 301



Connector socket
11-pin 25 622 077
8-pin 25 622 128



8-pin solder-connected base
79 694 016



To order, specify :

Standard products

1 Type

2 Part number

3 Accessory

Standard products,
non stocked

Example : TIMER 816 digital display electronic timer - 88 875 601 - 8-pin connector plug 25 622 301