

Hour meters / timers, electromechanical

Timers for DIN rail mounting

DIN rail housing, 2 modules wide (AC+DC)

SH17



The hour meters SH17 feature a very high shock resistance.

These DIN rail mount counters can be used in many different fields of application. These non-resettable counters are extremely tamper-proof.

Characteristics

- 7-digit hour meter.
- DIN rail-mount housing, width 2 modules.
- High shock and impact resistance.
- Without reset.
- Magnified large figures.
- Protection IP65 on the front side.

Benefits

- Easy mounting.
- Data retention in case of power failure.
- Long service life.

Applications

General time measurement, maintenance intervals for measuring instruments, small appliances, UV lamps, integration in control cabinets.

Type series

Description	Mounting	Type
Standard timer	DIN rail 35 mm [1.38"] acc. to DIN EN 50022	SH17

Technical data

Electrical connection		screw terminals
	finely-stranded	0 ... 2.5 mm ² [AWG13]
	single-wires	0 ... 4 mm ² [AWG11]
	tightening torque max.	0.5 Nm
Power consumption	DC	approx. 1 W
	AC	approx. 2.5 VA
Rated voltages		24, 115, 230 V AC ±10 %, 50Hz
		115 V AC ±10 %, 60Hz
		10 ... 27 V DC
On time		100 %
Number of digits		7: 99999.99 h
Height of figures		1.8 x 3.6 mm [0.071 x 0.14"]
Color of figures		white on black
Decimal figures		black on white
Housing		plastic PC (Polycarbonate)
Weight		approx. 60 g [2.12 oz]
Housing color		grey, Ral 7035
Reset		no reset
Operating temperature	AC/DC	-10 °C ... +70 °C [+14 °F ... +158 °F] (non-condensing)
	AC/DC	-40 °C ... +80 °C [-40 °F ... +176 °F]
Storage temperature		-40 °C ... +80 °C [-40 °F ... +176 °F]
Relative humidity at +25 °C [+77 °F]		≤ 80 % (non-condensing)
Altitude		up to 2000 m [6562']

Mounting position	any
Protection acc. to EN 60529	IP65 (front side)
screw terminal	IP20
Vibration resistance	1 g (10 ... 500 Hz) acc. to EN 60028-2-34
Shock resistance	30 g (18 ms) acc. to EN 60068-2-27
	25 g (6 ms) acc. to EN 60068-2-29
Device safety	designed to
	protection class
	EN 61010 part 1
	2
	application area
	pollution level 2
Accuracy	< 0.01%, for all versions

Approvals

CE compliant in accordance with		
EMC Directive	2014/30/EU	
RoHS Directive	2011/65/EU	
Low Voltage Directive	2014/35/EU	

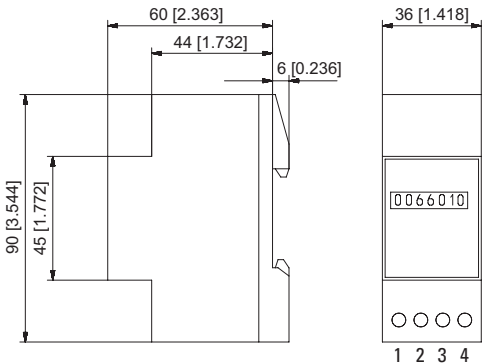
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Standard timer
Type SH17



Terminal assignment

PIN	DC	AC
1	n.c.	n.c.
2	+	~
3	-	~
4	n.c.	n.c.

Type	Display	Voltage	Art. no.				
			24 V	115 V	230 V	10 ... 27 V DC	
SH17	7 digits	AC (50 Hz)	0.170.000.071	0.170.000.284	0.170.000.075		
	7 digits	AC (60 Hz)		0.170.000.287			
	7 digits	DC				0.170.000.351	