

Hour meters / timers, electromechanical

Timers for DIN rail mounting

Micro DIN rail housing (AC+DC)

SHK 07.1



The micro timers SHK 07.1 feature a very high shock resistance.

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

Characteristics

- 7-digit micro hour meter
- DIN rail mount according to EN 50022
- Base mount counter
- High shock resistance
- Low power consumption
- Small dimensions
- Magnified large figures
- Display range 99999.99 h

Benefits

- Wide voltage range 4.5 ...35 V DC, 20 ...264 V AC
- Data retention in case of power failure
- Long service life

Applications

General time measurement, integration in control cabinets

Type series

Description	Mounting	Type
Timer	DIN rail 35 mm [1.38"] acc. to DIN EN 50022	SHK 07.1

Technical data

Electrical connection	clamp terminal	up to 2.5 mm ² [AWG13]
	tightening torque max.	0.8 Nm
Power consumption (count pulses every 36 s with a pulse duration of 32 ms)	at U _B = 5 V DC	typ. 82 mW
	at U _B = 12 V DC	typ. 135 mW
	at U _B = 24 V DC	typ. 135 mW
	at U _B = 22 ... 32 V DC	typ. 170 mW
	20 ... 30 V AC	approx. 0.43 VA
On time	100 ... 130 V AC	approx. 0.82 VA
	187 ... 264 V AC	approx. 1.8 VA
	On time	100 %
Number of digits		7 (99999.99 h)
Accuracy		22.5 ppm at 25°C [77°F]
EMC	Emitted interference	EN 55011 class B
	Immunity to interference	EN 61000-6-2
Device safety	Designed to	EN 61010 part 1
	Protection class	2
	Application area	Pollution level 2

Height of figures	1.2 x 4 mm [0.047 x 0.016"]
Colour of figures	white and red on black
Operating temperature	AC -10°C ... +50°C [-40°F ... +122°F] (non-condensing)
	DC -10°C ... +60°C [+14°F ... +140°F] (non-condensing)
Mounting position	horizontal, other on request
Protection	up to IP52 depends on version
Housing	plastic PC (Polycarbonate)
Weight	approx. 55 g [1.94 oz]

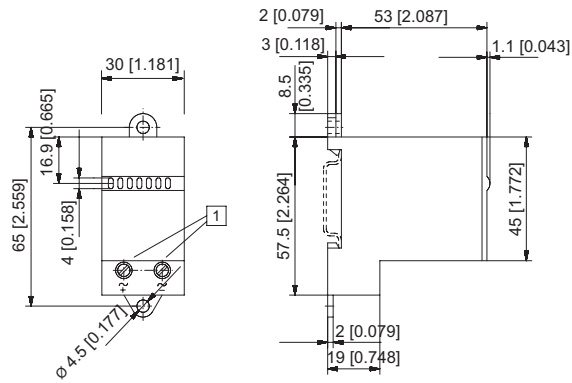
Options

Colour of housing	grey
Temperature range	-30°C ... +85°C [-22°F ... +185°F]
Version with 6 digits width of figures	1.7 mm [0.067"]

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Timer for DIN rail mount
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1) Electrical connection

Type	Display	Voltage	Art.-No.			
			4.5 ... 35 V	20 ... 30 V	100 ... 130 V	187 ... 264 V
SHK 07.1	7 digits	AC (50...60 Hz)		3.102.101.310	3.102.101.312	3.102.101.313 ¹⁾
		DC	3.102.101.383 ¹⁾			

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