

# 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	<b>SHK 07.1</b>

## Technical data

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

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

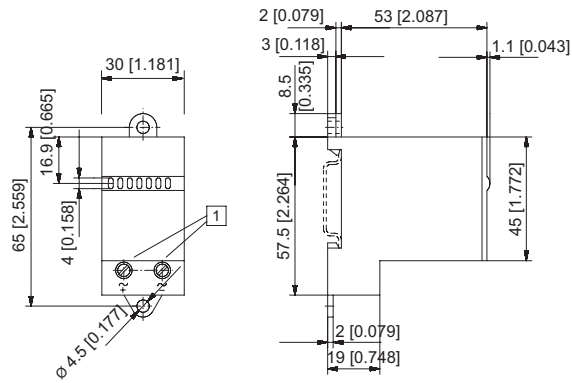
## Options

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

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Timer for DIN rail mount  
Type SHK 07.1



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)		<b>3.102.101.310</b>	<b>3.102.101.312</b>	<b>3.102.101.313</b> <sup>1)</sup>
		DC	<b>3.102.101.383</b> <sup>1)</sup>			

Hour meters /  
Timers

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