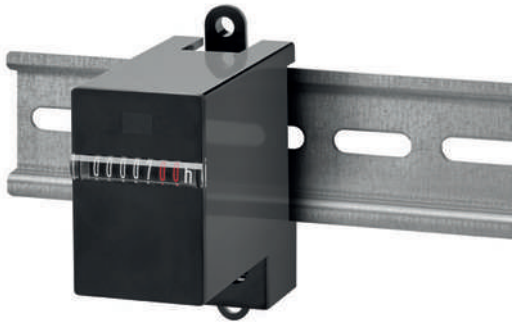
Timers for DIN rail mounting | Micro DIN rail housing (AC+DC) | SHK07.1



The micro timers SHK07.1 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	**SHK07.1**

Technical data

Electrical connection		
	clamp terminal	up to 2.5 mm² [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
	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 standards		EN 55011 class B EN 61000-6-2, EN 61000-6-3
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“]
Color of figures		white and red on black
Operating temperature	AC	-10 °C ... +50 °C [+14 °F ... +122 °F] (non-condensing)
	DC	-10 °C ... +60 °C [+14 °F ... +140 °F] (non-condensing)
Relative humidity at +30 °C [+86 °F]		≤ 80 % (non-condensing)
Altitude		up to 2000 m [6562‘]
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

Temperature range	-20 °C .... +70 °C [-4 °F ... +158 °F]

Approvals

CE compliant in accordance with	
EMC Directive	2014/30/EU
RoHS Directive	2011/65/EU
Low Voltage Directive	2014/35/EU
UKCA compliant in accordance with	
EMC Regulations	S.I. 2016/1091
RoHS Regulations	S.I. 2012/3032
Low Voltage Regulations	S.I. 2016/1101

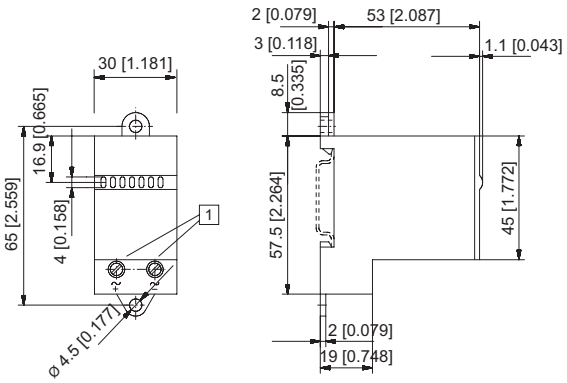
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Timers for DIN rail mounting | Micro DIN rail housing (AC+DC) | SHK07.1

Timer for DIN rail mount

Type SHK07.1





1 Electrical connection

Type	Display	Voltage	Art. no. 4.5 ... 35 V	20 ... 30 V	100 ... 130 V	187 ... 264 V
SHK07.1	7 digits	AC (50...60 Hz)		**3.102.101.310**	**3.102.101.312**	**3.102.101.313** [1]
	7 digits	DC	**3.102.101.383** [1]			

Dimensions in mm [inch]

1) Stock types

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