

## Micro Timers – SHK 07.1



- 7-digit micro hour meter
- DIN-rail mounting to EN 50 022
- Base mount meter
- High shock resistance
- Low power consumption
- Small dimensions
- Large optical figures
- Data retention if power is lost
- Long service life
- Display range 99999.99h

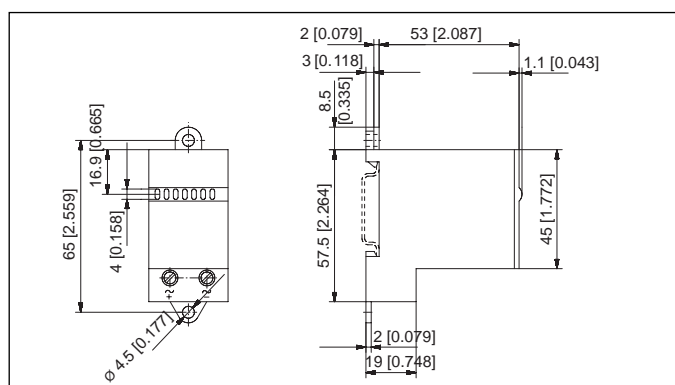
### Applications

general time counting, installation in control cabinets

### Technical data:

|                         |   |                      |  |
|-------------------------|---|----------------------|--|
| Electrical connection:  | clamp terminal for cable diameter up to 2.5 mm <sup>2</sup> [1612.9 square inch], tightening torque max. 0.8 Nm   | Height of figures:   | 1.2 x 4 mm [0.047 x 0.157"]  |
| Typ. power consumption: | at U <sub>B</sub> = 5 V DC typ. 82 mW<br>at U <sub>B</sub> = 12 V DC typ. 135 mW<br>at U <sub>B</sub> = 24 V DC typ. 135 mW<br>max. 170 mW<br>(only every 36 s with a pulse time of 32 ms)<br>100 ... 130 V AC approx. 0.82 VA<br>187 ... 264 V AC approx. 1.8 VA | Colour of figures:   | white and red on black   |
| Rated voltages:         | 20 ... 30, 100 ... 130, 187 ... 264 V AC 50 Hz, 60Hz<br>4.5 ... 35 V DC   | Reset:               | no   |
| On time:                | 100 %   | Ambient temperature: | -10 ... +50 °C at AC [14 ... 122 °F]<br>-10 ... +60 °C at DC [14 ... 140 °F]<br>non condensing |
| Figures:                | 7 (99999.99 h)  | Mounting position:   | horizontal   |
| Accuracy:               | 22.5 ppm at 25 °C [77°F]  | Protection:          | up to IP 52 depends on version   |
|                         |   | Housing:             | plastic (polycarbonate)  |
|                         |   | Weight:              | approx. 55 g [1.94 oz]   |
|                         |   | Options:             | temperature range -30 ... +85 °C<br>version with 6 digits<br>width of figures 1.7 mm [0.067]   |

### Type SHK 07.1

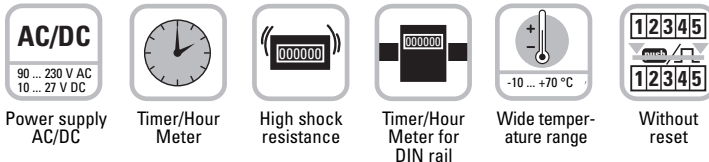


| Voltage     | Art-No. (V DC) | Art-No. (V AC) 50 ... 60 Hz |
|-------------|----------------|-----------------------------|
| 4.5 ... 35  | 3.102.101.383* |                             |
| 20 ... 30   |                | 3.102.101.310               |
| 100 ... 130 |                | 3.102.101.312               |
| 187 ... 264 |                | 3.102.101.313*              |

\*standard stock model

## DIN Rail Timers – SH 17

- 7-digit hour meter for DIN rail mounting to EN 50022
- 2 modules wide (36 mm), Count range 99999.99 h



**Versatile**

- For voltage ranges  
10...27 V DC, 230 V AC
- Large temperature range
- Protection to IP 65 on the front side
- 2 modules wide
- Without reset, therefore tamper-proof



**Accurate**

- Quartz for DC version and 50 Hz for AC version

**Simple**

- Simple mounting on 35 mm rail to EN 50022
- Snap-on fixing
- 7-digit:  
5 digits for hours,  
2 decimal positions (0.01 h -> 36 s)

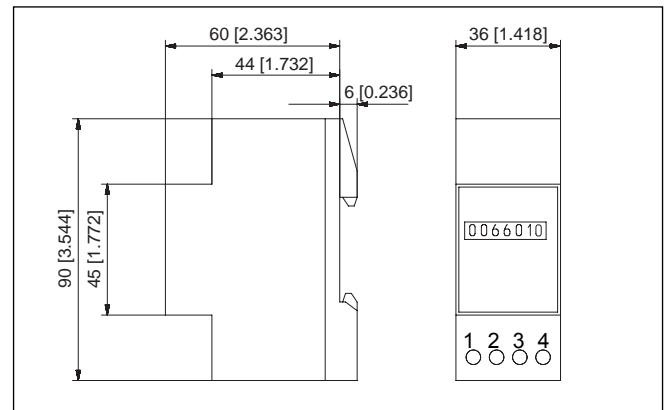
### Applications

- General time counting
- Control cabinets
- Small appliances
- Distribution panels
- Plant and equipment etc.

### Technical data:

|                        |   |
|------------------------|---|
| Electrical connection: | screw terminal  |
| Power consumption:     | DC: approx. 1 W<br>AC: approx. 2.5 VA   |
| Rated voltages:        | 230 V AC ±10 %, 50 Hz<br>10 ... 27 V DC   |
| On time:               | 100 %   |
| Display:               | 7 figures (99999.99 h), 0.01 => 36 s  |
| Height of figures:     | 1.5 x 3.5 mm [0.059 x 0.138"]   |
| Colour of figures:     | white on black<br>decimal figures black on white  |
| Reset:                 | no  |
| Ambient temperature:   | -10° ... +70 °C [14 ... 158 °F] at AC (non-condensing)<br>-10° ... +50 °C [14 ... 122 °F] at DC |
| Mounting position:     | any   |
| Protection:            | IP 65 front side<br>screw terminal IP 20  |
| Housing:               | plastic; colour Ral 7035  |
| Weight:                | approx. 60 g [2.116 oz]   |
| Colour of housing:     | grey  |

### Dimensions:



### Connection

|     |                              |     |                       |
|-----|------------------------------|-----|-----------------------|
| DC: | 2 = +<br>3 = -<br>1,4 = n.c. | AC: | 2 and 3<br>1,4 = n.c. |
|-----|------------------------------|-----|-----------------------|

### Order code:

|          |                |                |
|----------|----------------|----------------|
| Voltage  | 10 ... 27 V DC | 230 V AC       |
| Art. No. | 0.170.000.351* | 0.170.000.075* |

\*standard stock model