DATA SHEET: TIMERS ZR5E0011

SCHRACK-INFO
- Wide input voltage range
- 1 change over contact
- Width 17.5 mm
- Installation design

TECHNICAL DATA

1. Functions
The function has to be set before connecting the relay to the supply voltage.
E ON delay

2. Time ranges
<table>
<thead>
<tr>
<th>Time range</th>
<th>Adjustment range</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 s</td>
<td>50 ms</td>
</tr>
<tr>
<td>10 s</td>
<td>500 ms</td>
</tr>
<tr>
<td>1 min</td>
<td>3 s</td>
</tr>
<tr>
<td>10 min</td>
<td>30 s</td>
</tr>
<tr>
<td>1 h</td>
<td>3 min</td>
</tr>
<tr>
<td>10 h</td>
<td>30 min</td>
</tr>
<tr>
<td>100 h</td>
<td>5 h</td>
</tr>
</tbody>
</table>

3. Indicators
   - Green LED U/t ON: indication of supply voltage
   - Green LED U/t flashes: indication of time period
   - Yellow LED R ON/OFF: indication of relay outputs

4. Mechanical design
   - Self-extinguishing plastic housing, IP rating IP40
   - Mounted on DIN-rail TS 35 according to EN 50022
   - Mounting position: any
   - Shockproof terminal connection according to VBG 4 (P21 required), IP rating IP20
   - Tightening torque: max. 1 Nm

5. Input circuit
   - Terminal capacity:
     1 x 0.5 to 2.5 mm² with/without multicore cable end
     1 x 4 mm² without multicore cable end
     2 x 0.5 to 1.5 mm² with/without multicore cable end
     2 x 2.5 mm² flexible without multicore cable end

6. Output circuit
   - 1 potential free change over contact
   - Rated voltage: 250 V AC
   - Switching capacity: 2000 VA (8 A / 250V)
   - Fusing: 8 A fast acting
   - Mechanical life: 20 x 10⁶ operations
   - Electrical life: 2 x 10⁸ operations
   - Switching frequency:
     at 1000 VA resistive load
     max. 60/min at 100 VA resistive load
     max. 6/min at 100 VA resistive load
   - Overvoltage category: III. (according to IEC 947-5-1)

7. Control input
   - Input not potential free: Terminals A1-B1
   - Loadable: yes
   - Max. line length: 10m
   - Trigger level (sensitivity): automatic adaption to supply voltage
   - Min. control pulse length: DC 50 ms / AC 100 ms

8. Accuracy
   - Base accuracy: ±1% of maximum scale value
   - Adjustment accuracy: <5% of maximum scale value
   - Repetition accuracy: <0.5% or ±5 ms
   - Voltage influence: -
   - Temperature influence: ±0.01% / °C

9. Ambient conditions
   - Ambient temperature: -25 to +55 °C
     (according to IEC 68-1)
   - Storage temperature: -25 to +70 °C
   - Transport temperature: -25 to +70 °C
   - Relative humidity: 15% to 85%
     (according to IEC 721-3-3 class 3K3)
   - Pollution degree: 2, if built in 3
     (according to IEC 664-1)
   - Vibration resistance: 10 to 55 Hz 0.35 mm
     (according to IEC 68-2-6)
   - Shock resistance: 15 g 11 ms
     (according to IEC 68-2-27)
**FUNCTIONS**

**ON delay (E)**
When the supply voltage U is applied, the set interval t begins (green LED U/t flashes). After the interval t has expired (green LED U/t illuminated) the output relay R switches into on-position (yellow LED illuminated). This status remains until the supply voltage is interrupted. If the supply voltage is interrupted before the expiry of the interval t, the interval already expired is erased and is restarted when the supply voltage is next applied.

**WEIGHT**

- Single packing: 72 g
- Package 10 pcs: 670 g per Package

**ARTICLE NUMBER**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ORDER NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single function timerelay E (ON delay), 24-240VAC, 1 change over, 8A/250V</td>
<td>ZRSE0011</td>
</tr>
</tbody>
</table>

**DIMENSIONS**