**DATA SHEET: TIMERS ZR5R0011**

**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.

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 (PZ1 required), IP rating IP20
- Tightening torque: max. 1 Nm

5. **Input circuit**
- Supply voltage: Terminals A1(+)-A2
- Types ZR5..24-240 V AC/DC: 24 to 240 V AC/DC
- Tolerance: 24 V-15% to 240 V+10%
- Rated consumption: 4 VA (1.5 W)
- Rated frequency: AC 48 to 63 Hz
- Duty cycle: 100%
- Reset time: 100 ms
- Residual ripple for DC: 10%
- Drop-out voltage: >30% of minimum rated supply voltage
- Overvoltage category: III (according to IEC 60664-1)
- Rated surge voltage: 4 kV

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 10^6 operations
- Electrical life: 2 x 10^6 operations
- Switching frequency: max. 60/min at 100 VA resistive load
  max. 6/min at 1000 VA resistive load
  (according to IEC 947-5-1)
- Overvoltage category: III. (according to IEC 60664-1)
- Rated surge voltage: 4 kV

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

OFF delay (R)
The supply voltage U must be constantly applied to the device (green LED U/t illuminated). When the control contact S is closed, the output relay R switches into on-position (yellow LED illuminated). If the control contact is opened, the set interval t begins (green LED flashes). After the interval t has expired (green LED U/t illuminated) the output relay switches into off-position (yellow LED not illuminated). If the control contact is closed again before the interval t has expired, the interval already expired is erased and is restarted.

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 R (OFF delay), 24-240VAC, 1 change over, 8A/250V</td>
<td>ZRSR0011</td>
</tr>
</tbody>
</table>