1. Functions
Ip  Asymmetric flasher pause first
Ii  Asymmetric flasher pulse first
(A1-B1 bridged)

2. Time ranges
Time range     Adjustment range
1 s            50 ms          1 s
10 s           500 ms         10 s
1 min          3 s            1 min
10 min         30 s           10 min
1 h            3 min          1 h
10 h           30 min         10 h
100 h          5 h            100 h

3. Indicators
Green LED U/t ON: indication of supply voltage
Green LED U/t slow flashing: indication of time period t1
Green LED U/t fast flashing: indication of time period t2
Yellow LED R ON/OFF: indication of relay output

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

5. Input circuit
Supply voltage: Terminals A1(+)-A2
Type ZR580011
12-240 V AC/DC: 12 to 240 V AC/DC
Tolerance: 12 V-10% 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

6. Output circuit
1 potential free change over contact
Rated voltage: 250 V AC
Switching capacity: 2000 VA (8 A / 250 V)
Fusing: 8 A fast acting
Mechanical life: 2 x 10⁶ operations
Electrical life: 2 x 10⁵ operations
Switching frequency:
Max. 60/min at 100 VA resistive load
Max. 6/min at 1000 VA resistive load
(assuming a 1000 VA resistive load)
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: 10 m
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%
(Pollution degree: 2, if built in 3 (according to IEC 721-3-3 class 3K3)
Pollution degree: 2, if built in 3
(Vibration resistance: 10 to 55 Hz 0.35 mm
(Shock resistance: 15 g 11 ms
(Shock resistance: 15 g 11 ms
(according to IEC 68-2-6)
(according to IEC 68-2-5)
(according to IEC 68-2-7)
Asymmetric flasher pause first (Ip)
When the supply voltage U is applied, the set interval t1 begins (green LED U/t flashes slowly). After the interval t1 has expired, the output relay R switches into on-position (yellow LED illuminated) and the set interval t2 begins (green LED U/t flashes fast). After the interval t2 has expired, the output relay switches into off-position (yellow LED not illuminated).

The output relay is triggered at the ratio of t1:t2 until the supply voltage is interrupted.

Asymmetric flasher pulse first (Ii)
When the supply voltage U is applied, the output relay R switches into on-position (yellow LED illuminated) and the set interval t1 begins (green LED U/t flashes slowly). After the interval t1 has expired, the output relay switches into off-position (yellow LED not illuminated) and the set interval t2 begins (green LED U/t flashes fast). After the interval t2 has expired, the output relay switches into on-position (yellow LED illuminated).

The output relay is triggered at the ratio of t1:t2 until the supply voltage is interrupted.

FUNCTIONS

CONNECTIONS

DIMENSIONS

WEIGHT

ARTICLE NUMBER

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ORDER NO.</th>
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<tbody>
<tr>
<td>Timerelay, 12-240VAC, 1 change over, 8A/250V</td>
<td>ZR580011</td>
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</table>

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