- Asymmetric flasher
- 8 time ranges
- 1 change-over contact
- Width 22.5 mm
- Industrial design

Technical data

1. Functions

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

2. Time ranges

Time range	Adjustment range	
1s	50ms	1s
10s	500ms	10s
1min	3s	1min
10min	30s	10min
1h	3min	1h
10h	30min	10h
1d	72min	1d
10d	12h	10d

3. Indicators

Green LED ON:	indication of supply voltage
Green LED fast flashing:	indication of time period t2
Green LED slow flashing:	indication of time period t1
Yellow LED 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
Tightening torque: max. 1Nm
Terminal capacity:
- 1 x 0.5 to 2.5mm^2 with/without multicore cable end
- 1 x 4mm^2 without multicore cable end
- 2 x 0.5 to 1.5mm^2 with/without multicore cable end
- 2 x 2.5mm^2 flexible without multicore cable end

5. Input circuit

Supply voltage:	
24V DC	terminals A1(+)-A2 voltage selector engaged
24V AC	terminals A1-A2 voltage selector engaged
110 to 240V AC	terminals A1-A2 voltage selector not engaged
Tolerance:	
24V DC	±10%
24V AC	-15% to+10%
110 to 240V AC	-15% to+10%
Rated frequency:	48 to 63Hz
Rated consumption:	
24V AC/DC	1.5VA (1W)
110V AC	2VA (1W)
230V AC	8VA (1.3W)
Duration of operation:	100%
Reset time:	250ms
Residual ripple for DC:	10%
Drop-out voltage:	>30% of the supply voltage

6. Output circuit

1 potential free change-over contact

Switching capacity (distance < 5mm):	1250VA (5A/250V AC)
Switching capacity (distance > 5mm):	2000VA (8A/250V AC)
Fusing:	8A flink
Mechanical life:	20 x 10^6 operations
Electrical life:	2 x 10^5 operations at 1000VA resistive load
Switching frequency:	max. 60/min at 100VA resistive load max. 6/min at 1000VA resistive load (according to IEC 947-5-1)
Insulation voltage:	250V AC (according to IEC 664-1)
Surge voltage:	4kV, overvoltage category III (according to IEC 664-1)

7. Accuracy

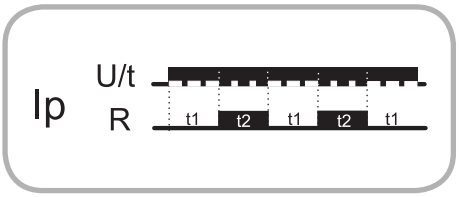
Base accuracy:	±1% of maximum scale value
Adjustment accuracy:	5% of maximum scale value
Repetition accuracy:	<0.5% or ±5ms
Voltage influence:	–
Temperature influence:	0.01%/°C

8. Ambient conditions

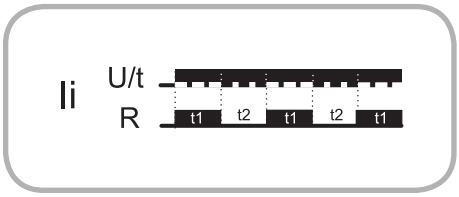
Ambient temperature:	-25 to+55°C (according to IEC 68-1) -25 to+40°C (according to UL 508)
Storage temperature:	-25 to+70°C
Transport temperature:	-25 to+70°C
Relative humidity:	15% to 85% (according to IEC 721-3-3 class 3K3)
Pollution degree:	3 (according to IEC 664-1)

Functions

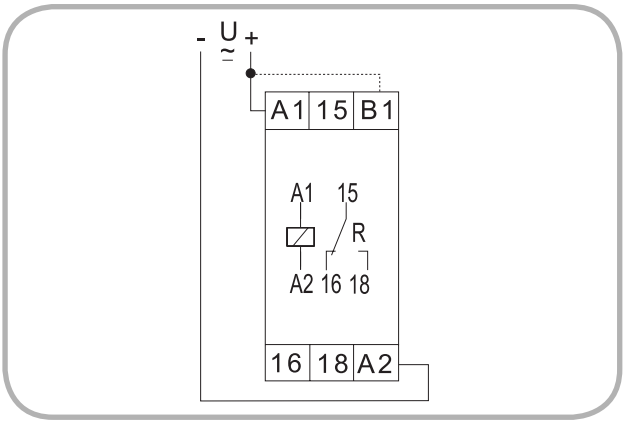
Asymmetric flasher pause first (Ip)
When the supply voltage U is applied, the set interval t1 begins (green LED flashing slowly). After the interval t1 has expired, the output relay R switches into on-position (yellow LED illuminated) and the set interval t2 begins (green LED flashing fast). After the 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 flashing 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 flashing 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.



Connections



Dimensions