- Flasher pause first
- 1 Time range
- 1 Supply voltage
- 1 change-over contact
- Width 22.5 mm
- Industrial design

Technical data

1. Functions

Bp Flasher pause first

2. Time ranges

s. table

3. Indicators

Green LED ON: indication of supply voltage
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
Initial 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 voltages (availability see table):

24V AC/DC	terminals A1(+)-A2	(P6SB 24VAC/DC)
42V AC/DC	terminals A1(+)-A2	(P6SB 42VAC/DC)
48V AC/DC	terminals A1(+)-A2	(P6SB 48VAC/DC)
110V AC	terminals A1-A2	(P6SB 110VAC)
230V AC	terminals A1-A2	(P6SB 230VAC)

Tolerance:

24V DC	±10%	(P6SB 24VAC/DC)
24V AC	-15% to+10%	
42V DC	±10%	(P6SB 42VAC/DC)
42V AC	-15% to+10%	
48V DC	±10%	(P6SB 48VAC/DC)
48V AC	-15% to+10%	
110V AC	-15% to+10%	(P6SB 110VAC)
230V AC	-15% to+10%	(P6SB 230VAC)

Rated frequency: 48 to 63Hz
Rated consumption:

24V AC/DC	1VA (0.6W)	(P6SB 24VAC/DC)
42V AC/DC	1,5VA (1W)	(P6SB 42VAC/DC)
48V AC/DC	1,7VA (1,2W)	(P6SB 48VAC/DC)
110V AC	4VA (1.3W)	(P6SB 110VAC)
230V AC	8VA (1.3W)	(P6SB 230VAC)

Duration of operation: 100%
Reset time: 100ms
Residual ripple for DC: 10%
Drop-out voltage: >20% of the supply voltage

6. Output circuit

1 potential free change-over contact
Switching capacity (distance < 5mm): 750VA (3A/250V AC)
Switching capacity (distance > 5mm): 1250VA (5A/250V AC)
Fusing: 6A fast acting
Mechanical life: 10 x 10^6 operations
Electrical life: 1 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: ±5% (of maximum scale value)
Adjustment accuracy: ≤5% (of maximum scale value)
Repetition accuracy: <1%
Voltage influence: –
Temperature influence: ≤0.1%/°C

8. Ambient conditions

Ambient temperature: -25 to+55°C (according to IEC681)
-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)

9. Types

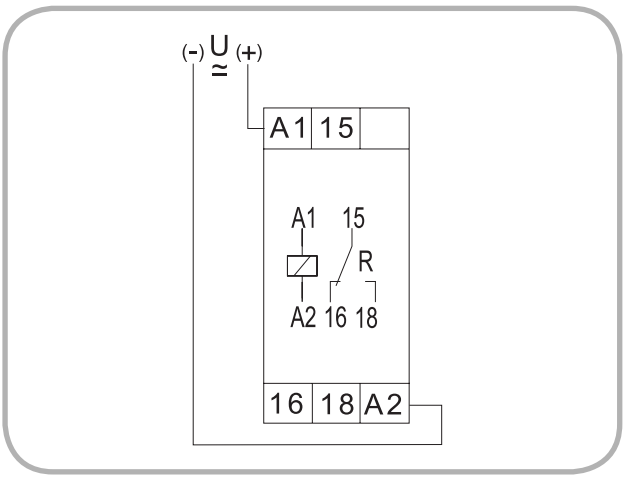
		Time ranges							
		1s	3s	10s	30s	1min	10min	30min	1h
Supply voltages	24V AC/DC								
	42V AC/DC								
	48V AC/DC								
	110V AC								
	230V AC			X					

All marked types are standard types.
Not marked types only on request (Minimum quantity for an order).
type code:
P6SB + "supply voltage" + "time range" (e.g.. P6SB 230VAC 10s)

Functions

Flasher pause first (Bp)
When the supply voltage U is applied, the set interval t begins (green LED flashing). After the interval t has expired, the output relay R switches into on-position (yellow LED illuminated) and the set interval t begins again. After the interval t has expired, the output relay switches into off-position (yellow LED not illuminated).
The output relay is triggered at a ratio of 1:1 until the supply voltage is interrupted.

Connections



Dimensions