

- Industrial design
- Width 22.5mm
- Flasher pause first
- 1 time range
- Single voltage
- 1 change over contact



► Technical data

► 1. Functions

Bp Flasher pause first

► 2. Time ranges

Time range	Adjustment range		
1s	100ms	1s	(P6SB 1s)
3s	300ms	3s	(P6SB 3s)
10s	1s	10s	(P6SB 10s) *)
30s	3s	30s	(P6SB 30s)
1min	6s	1min	(P6SB 1min)
10min	1min	10min	(P6SB 10min)
30min	3min	30min	(P6SB 30min)
1h	6min	1h	(P6SB 1h)

*) ... standard type, other time ranges on request

► 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 2.5mm² with/without multicore cable end
2 x 0.5 to 1.5mm² with/without multicore cable end
2 x 1.5mm² flexible without multicore cable end

► 5. Input circuit

Supply voltage:		
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		
*)... standard type, other supply voltages on request		

► 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 10⁶ operations
Electrical life: 1 x 10⁵ 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)

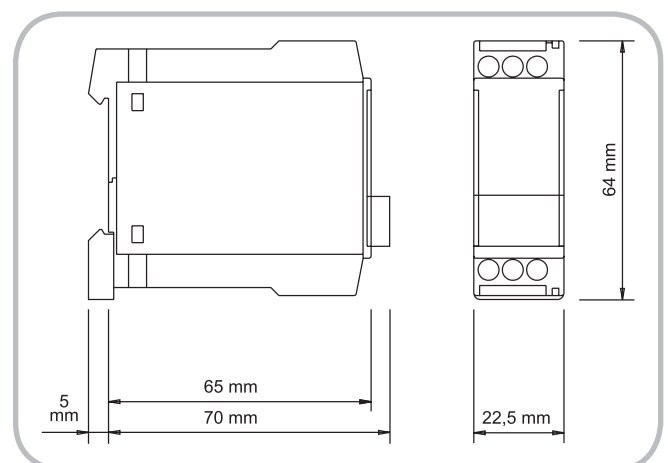
► 7. Accuracy

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 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)

► 9. Dimensions

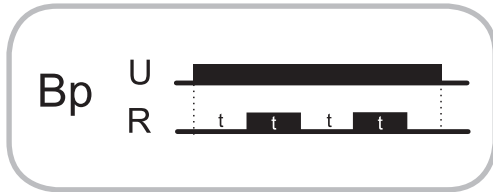


Functions

Flasher pause first (Bp)

When the supply voltage U is applied (green LED illuminated) the set interval t begins. After the interval t has expired, the output relay R switches into on-position (yellow LED illuminated) and the 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

