

- ▶ Industrial design
- ▶ Width 22.5mm
- ▶ ON delay
- ▶ 1 time range
- ▶ Single voltage
- ▶ 1 change over contact



Technical data

1. Functions

E ON delay

2. Time ranges

Time range	Adjustment range		
1s	100ms	1s	(P6SE 1s)
3s	300ms	3s	(P6SE 3s)
10s	1s	10s	(P6SE 10s) *)
30s	3s	30s	(P6SE 30s) *)
1min	6s	1min	(P6SE 1min) *)
10min	1min	10min	(P6SE 10min) *)
30min	3min	30min	(P6SE 30min) *)
1h	6min	1h	(P6SE 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	(P6SE 24VAC/DC)	*)
42V AC/DC	terminals A1(+)-A2	(P6SE 42VAC/DC)	
48V AC/DC	terminals A1(+)-A2	(P6SE 48VAC/DC)	
110V AC	terminals A1-A2	(P6SE 110VAC)	*)
230V AC	terminals A1-A2	(P6SE 230VAC)	*)
Tolerance:			
24V DC	±10%	(P6SE 24VAC/DC)	
24V AC	-15% to +10%		
42V DC	±10%	(P6SE 42VAC/DC)	
42V AC	-15% to +10%		
48V DC	±10%	(P6SE 48VAC/DC)	
48V AC	-15% to +10%		
110V AC	-15% to +10%	(P6SE 110VAC)	
230V AC	-15% to +10%	(P6SE 230VAC)	
Rated frequency: 48 to 63Hz			
Rated consumption:			
24V AC/DC	1VA (0.6W)	(P6SE 24VAC/DC)	
42V AC/DC	1.5VA (1W)	(P6SE 42VAC/DC)	
48V AC/DC	1.7VA (1.2W)	(P6SE 48VAC/DC)	
110V AC	4VA (1.3W)	(P6SE 110VAC)	
230V AC	8VA (1.3W)	(P6SE 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)

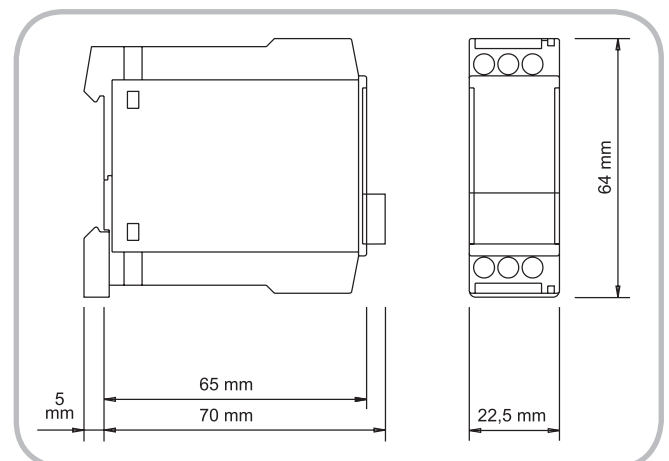
7. Accuracy

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)

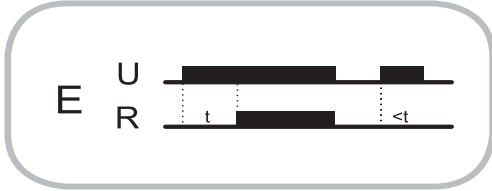
9. Dimensions



Functions

ON delay (E)

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). This status remains until the supply voltage is interrupted. If the supply voltage is interrupted before the expiry of the interval t , the interval already expired is erased and is restarted when the supply voltage is next applied.



Connections

