

- Industrial design
- Width 22.5mm
- ON delay
- 8 time ranges
- 1 change over contact



► Technical data

► 1. Functions

E ON delay

► 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 flashes: indication of time period
 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
 Screw terminals:
 1 x 0.5 to 2.5mm² with/without multicore cable end
 1 x 4mm² without multicore cable end
 2 x 0.5 to 1.5mm² with/without multicore cable end
 2 x 2.5mm² flexible without multicore cable end

► 5. Input circuit

Supply voltage:	
24V DC	terminals A1(+)-A2 voltage selector engage
24V AC	terminals A1-A2 voltage selector engaged
110V AC	terminals A1-A2, voltage selector not engaged (D6DE 24/110)
230V AC	terminals A1-A2, voltage selector not engaged (D6DE 24/230)
Tolerance:	
24V DC	±10%
24V AC	-15% to +10%
110V AC	-15% to +10%
230V AC	-15% to +15%
Rated frequency:	48 to 63Hz
Rated consumption:	
24V AC/DC	1.5VA (1W)
110V AC	4VA (1W)
230V AC	8VA (1.5W)
Duration of operation:	100%
Reset time:	100ms
Residual ripple for DC:	10%
Drop-out voltage:	>10% of the supply voltage

► 6. Output circuit

1 potential free change over contacts
 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)

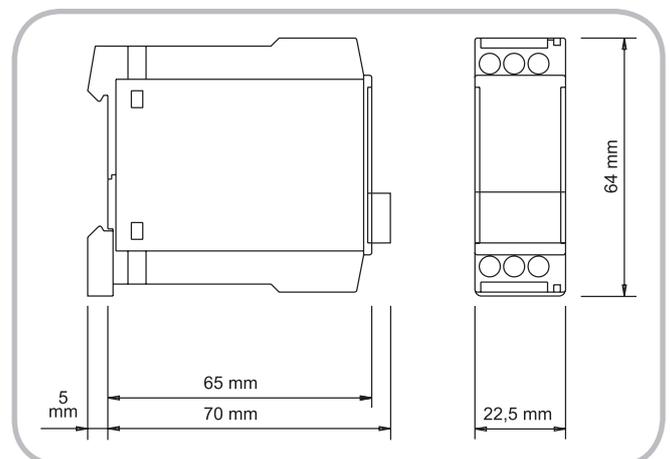
► 7. Accuracy

Base accuracy: ±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)

► 9. Dimensions

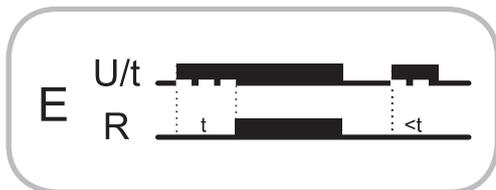


Functions

ON delay (E)

When the supply voltage U is applied, the set interval t begins (green LED flashes). After the interval t has expired (green LED illuminated) 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

