



- DELTA series
- True off delay
- 4 time ranges
- Wide input range
- 1 change over contact
- Width 22.5 mm
- Industrial design



Technical data

1. Functions

A OFF delay without auxiliary voltage

2. Time ranges

Time range	Adjustment range	
1s	100ms	1s
10s	1s	10s
1min	6s	1min
3min	18s	3min (D6A 3min)
10min	1min	10min (D6A 10min)

3. Indicators

Green LED U ON: indication of supply voltage

4. Mechanical design

Self-extinguishing plastic housing, IP rating IP40
 Mounted on DIN-Rail TS 35 according to EN 60715
 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 2.5mm² 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: 24 to 240V AC/DC
 Terminals: A1(+)-A2
 Tolerance: AC: -15% to +10%
 DC: -10% to +10%
 Rated consumption: AC: 1VA (0.5W)
 DC: 0.7VA (0.7W)
 Rated frequency: AC 48 to 63Hz
 Duty cycle: 100%
 Reset time: 100ms
 Residual ripple to DC: 10%
 Drop-out voltage: ≥8V
 Overvoltage category: III (in accordance with IEC 60664-1)
 Rated surge voltage: 4kV

6. Output circuit

1 potential free change over contact
 Switching capacity: 1250VA (5A / 250V AC)
 Fusing: 5A fast acting
 Mechanical life: 20 x 10⁶ operations
 Electrical life: 1 x 10⁵ operations
 at 1000VA resistive load
 Switching frequency: max. 10/min at 100VA resistive load
 max. 3/min at 1000VA resistive load
 (in accordance with IEC 60947-5-1)
 Insulation voltage: 250V AC (in accordance with IEC 60664-1)
 Rated surge voltage: 4kV, overvoltage category III
 (in accordance with IEC 60664-1)

7. Accuracy

Base accuracy: ±1% of maximum scale value
 ≤10% for time range 1s
 Adjustment accuracy: <5% of maximum scale value
 Repetition accuracy: <1% or 100ms
 Voltage influence: -
 Temperature influence: ≤0.02% / °C

8. Ambient conditions

Ambient temperature: -25 to +55°C
 Storage temperature: -25 to +70°C
 Transport temperature: -25 to +70°C
 Relative humidity: 15% to 85%
 (in accordance with IEC 60721-3-3 class 3K3)
 Pollution degree: 3 (in accordance with IEC 60664-1)

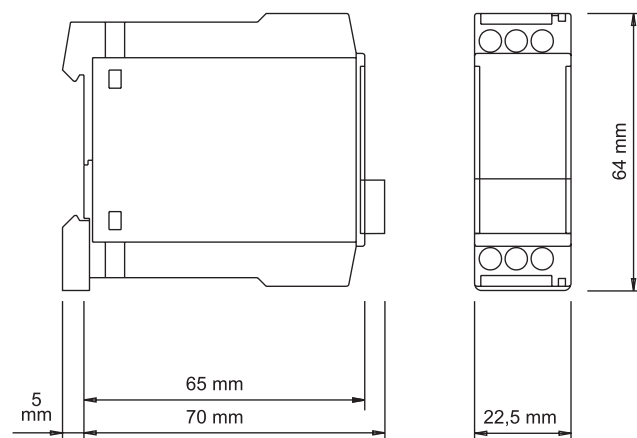
Functions

OFF-Delay without auxiliary voltage (A)

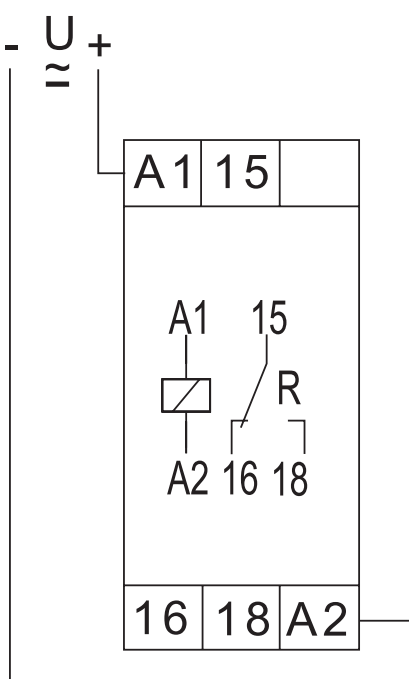
When the supply voltage U is connected, the output relay R switches into on-position (green LED U illuminated). If the supply voltage is interrupted (green LED U not illuminated), the set interval t begins. After the set interval t has expired the output relay R switches into off-position. If the supply voltage is reconnected before the interval t has expired the timer is reset.



Dimensions



Connections



Ordering information

Type	Function	Supply voltage	Part No.
D6A 3min 24-240V AC/DC	A	24-240V AC/DC	234007
D6A 10min 24-240V AC/DC	A	24-240V AC/DC	234008