

True-Off Delay - 1 Change Over

- Housing for industrial environment
- With 22.5mm
- 4 time ranges, selected by rotating switch
- Integrated voltage selector



D6DA

1 Function

A ... true-off delay

2 Time ranges

End of scale	Range of adjustment
1sec.	100ms....1sec.
10 sec.	1sec....10sec.
1 min.	6sec....1min.
3 min.	18sec....3min.

3 Accuracy

Base accuracy: -2% +8%

max. of range adjusted

Repetition accuracy under constant condition:

< 2% of end value of scaling

Adjusting accuracy: \leq 8%

4 Display

Green LED on: Power applied

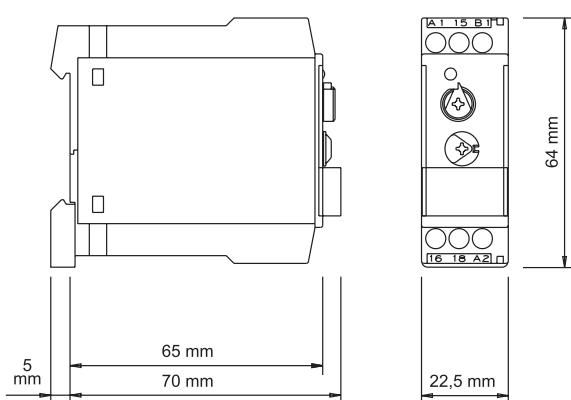
5 Mechanical Specifications

Housing: out of self-extinguishing plastic material, degree of protection IP40 / terminals IP 20

Mounting on DIN rails according EN 50 0222

Dimensions: 63 x 22,5 x 70mm (H x W x D)

Dimensions:



6 Supply Voltage

Nom. Voltage Permissible voltage range

24V AC -15% +10%

24V DC \pm 10%

110-240V AC -15% +10%

Ripple at DC: 10%

Frequency range: 48-63Hz

Minimum periode of energizing 2 sec.

Reset time: 500ms

Reset voltage: >10% of nominal supply

Nominal Consumption:

24V AC/DC 1,5VA / 1W

110V AC 4 VA / 1,2W

230V AC 15VA / 2,2W

7 Output

1 potential free change over contact

Nominal switching voltage: 250V AC

Continous current: 5A AC

Switching capacity 1250VA

Device protection: 8A fast-acting fuse

Mechanical life: 30×10^6 operations

Electrical life: 100.000 operations at 1000VA resistive load

Max switching rate : max. 720/h at 100VA resistive load (IEC 947-5-1)

8 Environmental conditions

Ambient temperature: -25°C ... +55°C

Storage temperature: -25°C ... +70°C

Relative humidity: 15% ... 85%

according IEC 721-3-3 Klasse 3K3



Function



When supply voltage U is engaged the relays energize (contacts 15-18). When the supply voltage is removed the set time t begins to run. On expiration of time t the output falls back to the off position (contacts 15-16).

Legend:

U.... supply voltage
t timing period
R.... output relay (NO-contact)

If the supply voltage U is reengaged to the unit before time t has elapsed, the time already elapsed is cancelled and starts again next the supply voltage is interrupted.

Standards

Duty cycle:

100% , IEC class 1c

Climate resistance:

HVF according DIN 40040, pr IEC 1812-1(1994) and IEC 721-3-3 class 3K3 (1g...25g H2O/m³)

Protection degree against contact:
according VDE 0106
and VBG4

Standard: VDE 0110 iGr.C/250

Low voltage Directive:

4kV, Kat.III according IEC 664-1

Electromagnetic compatibility

Electrostatic discharge:

Level 3, 6kV contact, 8kV air
according IEC 1000-4-2

Immunity against HF-fields:

Level 3, 10V/m acc. IEC 1000-4-3

Fast transients: level 4, 4kV/
2,5Hz, 5/50ns acc.IEC 1000-4-4

Surge immunity: Level 3, 2kV
Com., 1kV Dif. acc. IEC 1000-4-5

Immunity against conducted HF.:

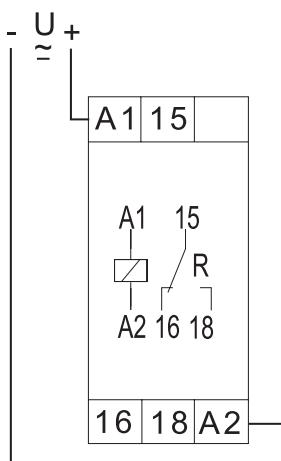
Level 3, 10VRMS according to

IEC 1000-4-6

EMC- Emissions : class B
according to CISPR 22

Production standard :
according to ISO 9001

Connection



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