# EXPLOSION-PROOF THERMOSTAT

## REX 011 | 01185.1-01



Ex-protected thermostat of temperature class T6 (max. 85 °C). High switching capacity for direct control of connected heaters. Application: Enclosures and control cabinets in explosive environments. Mechanical thermostat with high response accuracy and response speed.

- Low switching temperature differential
- High switching capacity
- Compact integrated tamper-proof thermostat
- Silicone connection cable with strain relief in 1 or 2 m length

## OVERVIEW TECHNICAL DATA

| | |
|---|---|
| Device type | Thermostats |
| Setting range | firm |
| Contact type | Snap-action contact |
| Sensor | Thermostatic bimetal |
| Protection class | I |
| Protection type | IP66 |
| Casing | Aluminium, silver anodised |
| AC/DC | AC;DC |
| Inrush current | 16 A |
| Inrush current duration | 12 s |
| Switching capacity | AC 250 V 10 AC;<br>DC 24 V 1 A |
| Switching current ohmic | 10 A |
| Reference voltage ohmic | 50 VAC |
| Reference voltage 2 ohmic | |
| Switching current dc ohmic | 1 A |
| Reference voltage dc ohmic | 24 VDC |
| Service life | >100000 cycles |
| Switch-off temperature | 25 °C |
| Switch-off temperature tolerance | ± 3 K |
| Switch-on temperature | 20 °C |
| Switch-on temperature tolerance | ± 3 K |
| Switching differential | 5 K |
| Switching differential tolerance | ± 3 K |
| Operating temperature | -60 °C - 60 °C |

| | |
|---|---|
| Operating humidity | ≤90 % RH |
| Storage humidity | ≤90 % RH |
| Storage temperature | -60 °C - 85 °C |
| Connection | Halogen-free silicone cable 3 x 1 mm², 2 m |
| Connection PE | 1,0 - 2,5 mm² |
| Design | Normally closed (NC) |
| Mounting | Clip for 35 mm DIN rail, EN 60715 M5 screw fixing |
| Height | 95 mm |
| Width | 30 mm |
| Depth | 45 mm |
| Weight | 300 g |
| Note | At currents above 4 A, the switching temperature differential changes. |

## TECHNICAL DRAWINGS

