EXPLOSION-PROOF THERMOSTAT

REX 011

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

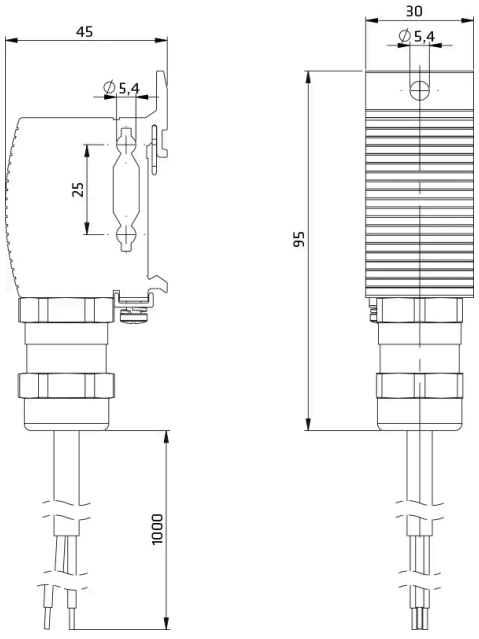
Device type	Thermostats
Setting range	firm
Contact type	Snap-action contact
Sensor	Thermostatic bimetal
Protection class	I
Protection type	IP66
Casing	Aluminium, silver anodised
AC/DC	AC DC
Inrush current maximum	16 A
Inrush current duration	12 s
Switching capacity	AC 250 V 10 AC DC 24 V 1 A
Switching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

02/10/2025 | Specifications are subject to change without notice. Errors and omissions excepted. Suitability of this product for its intended use and any associated risks must be determined by the end customer/buyer in its final application.

TECHNICAL DATASHEET

Storage temperature	-60 °C - 85 °C
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.

PRODUCT VARIANTS

Article number	Switch-off temperature	Switch-on temperature	Connection
01185.0-00	15 °C	10 °C	Halogen-free silicone cable 3 x 1 mm², 1 m
01185.0-01	15 °C	10 °C	Halogen-free silicone cable 3 x 1 mm², 2 m
01185.1-00	25 °C	20 °C	Halogen-free silicone cable 3 x 1 mm², 1 m
01185.1-01	25 °C	20 °C	Halogen-free silicone cable 3 x 1 mm², 2 m

TECHNICAL DRAWINGS