

## 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
Maximum inrush current	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	-76 °F - 140 °F
Operating humidity	≤90 % RH
Storage humidity	≤90 % RH

<b>Storage temperature</b>	-76 °F - 185 °F
<b>Connection PE</b>	1,0 - 2,5 mm <sup>2</sup>
<b>Design</b>	Normally closed (NC)
<b>Mounting</b>	Clip for 35 mm DIN rail, EN 60715 M5 screw fixing
<b>Height</b>	3.7 in
<b>Width</b>	1.2 in
<b>Depth</b>	1.8 in
<b>Weight</b>	10.6 oz
<b>Note</b>	At currents above 4 A, the switching temperature differential changes.

## PRODUCT VARIANTS

Article number	Switch-off temperature	Switch-on temperature	Connection
01185.0-00	59 °F	50 °F	Halogen-free silicone cable 3 x 1 mm <sup>2</sup> , 1 m
01185.0-01	59 °F	50 °F	Halogen-free silicone cable 3 x 1 mm <sup>2</sup> , 2 m
01185.1-00	77 °F	68 °F	Halogen-free silicone cable 3 x 1 mm <sup>2</sup> , 1 m
01185.1-01	77 °F	68 °F	Halogen-free silicone cable 3 x 1 mm <sup>2</sup> , 2 m

## TECHNICAL DRAWINGS

