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HAZARDOUS AREA THERMOSTAT

REX 011 | 15 °C, 25 °C (т6)





- > For areas with explosion and firedamp hazard
- > High switching capacity
- > Compact Design

- > Set temperature
- > Ready-to-use with strain relief

IECEX T CE ERI ROHS3

> Temperature class T6

Compact, small mechanical thermostat offering a high response accuracy/time, small switch temperature difference, and a very long service life (switching cycles). This thermostat of temperature class T6 (85 ° max.) is utilised for the regulation of heaters within control and switch cabinets, as well as measuring equipment located in areas with explosion hazard, underground mines and mines susceptible to firedamp. The high switching performance allows for direct control of heaters.

TECHNICAL DATA

Temperature class	TG	
Ex Protection type () II 2 GD Gases Dusts Mine applications	Ex db IIC T6 Gb Ex tb IIIC T85°C Db IP66 I M2 Ex db I Mb	
Ambient temperature	-60 to +60 °C (-76 to +140 °F)	
Sensor element	thermostatic bimetall	
Service life	> 100,000 cycles	
Max. switching capacity	AC 250 V 10 A1 DC 24 V 1 A	
Min. switching capacity	DC 1.5 V 5 mA	
Max. inrush current	AC 16 A for 12 sec.	
Connection	silicone cable (halogen-free) 3 x 1 mm²	
Connection PE	1.0 to 2.5 mm ²	
Mounting	clip for 35 mm DIN rail, EN 60715 screw fixing M5, optional widthwise mounting	
Casing	aluminium, silver anodised	
Dimensions	95 x 45 x 30 mm	
Weight	approx. 0.3 kg	
Fitting position	variable	
Storage temperature	-60 to +85 °C (-76 to +185 °F)	
Operating/Storage humidity	max. 90 % RH (non-condensing)	
Protection type/Protection class	IP66 / I (earthed)	
Approvals	EPS 16 ATEX 1 118 X IECEx EPS 16.0054X IN METRO DNV 18.0011 X EAC TC RU C-FR.IF608.8.02639	

¹ currents above 4 A affect the switch temperature difference

Art. No.	Cable Length	Contact type (1-pole)	Switch temperature	Switch temperature difference
01185.0-00	1 m	Contact breaker (NC)	+15 °C (±3 K tolerance)	5 K (±3 K tolerance)
01185.1-00	1 m	Contact breaker (NC)	+25 °C (±3 K tolerance)	5 K (±3 K tolerance)
01185.0-01	2 m	Contact breaker (NC)	+15 °C (±3 K tolerance)	5 K (±3 K tolerance)
01185.1-01	2 m	Contact breaker (NC)	+25 °C (±3 K tolerance)	5 K (±3 K tolerance)



