

PRODUCT DESCRIPTION

Controller-limiter and power selector 23-4258



Temperature controlling and limiting incl. power selector function in potentially explosive gas or dust atmospheres for zones 1/2 and 21/22 inside the hazardous area.

Specifications		Explosion protection marking
Power supply	230 VAC (50-60 Hz)	Marking
load current measured value	max. 25 A (external protection 25 A)	Gas II 2G Ex e ib [ib Gb] mb IIC T4 Gb Dust II 2D Ex tb IIIC IP6X T90 °C Db
Sensor	PT100 (EX-I) 3- or 2-wire circuit	-20°C ≤ Ta ≤ +40 °C (ambient temperature)
Intrinsically safe measuring circuit	Ex ib IIC: Uo= 6.3 V, Io= 22 mA, Po= 35 mW max. Co= 1.5 µF, max. Lo= 10 mH Ex ib IIB: Uo= 6.3 V, Io= 22 mA, Po= 35 mW max. Co= 8.2 µF, max. Lo= 10 mH	<u>EC-type examination certificate</u> TÜV 10 ATEX 556065
Protection degree	IP 64 acc. to EN 60529	<u>Features</u>
Measuring range	0...450 °C	- integrated temperature switch (switch-off temperature approx. 90 °C) - Notification of sensor break and sensor short-circuit - Fuse for the control circuit is internally accessible via terminal - Measurement display with 7-segment-LED's - Switching point accuracy < 1 K - Controller hysteresis 2 K - Relay output alarm 1 CO contact 5A, 250 V
Cable glands	1x M25 power supply 1x M25 heating cable 1x M16 sensor cable	Intrinsically safe and galvanic isolation connection of the Pt100 DIN EN 60751 (IEC 60751) resistance thermometer in 3- or 2-wire circuit
Dimensions LxWxH / Weight	260 x 160 x 135 mm / ca. 6,0 kg	
Material	aluminium, mounting on base plate (Enclosure)	

Front panel and terminal cover

