

MHG 586

Flame Detector

The MHG 585 Flame Detector is intended for the automatic fire alarm signalling of rising fires for the powder painting booths as detector responsive to radiation of flames.



The Detector MHG 586 is intended especially for atmosphere with a risk of explosion and fire of dust namely in connection with the Evaluation Unit MHY 441. The detector is connected to the line of Evaluation Unit MHY 441 by means of the MHY 703 Mounting Base.

The detector may work in zone 22 of a space with conductive dust and zone 21 of a space with combustible dust according to ČSN EN 61241-14.

The detector is certified for fire signalling for powder painting booths according to law No. 22/1997 Sb., in wording law No. 71/2000 Sb. in FTZÚ Ostrava – Radvanice NB 1026 (explosive environment). Certification details are at the manufacturer.

Technical specifications

Supply voltage	(20 ÷ 24) V _{ss}
Rated supply voltage	22 V _{ss}
Quiescent current	max. 250 µA
Current at fire alarm	max. 20 mA
Response time	max. 160 ms
Optical signalling in the detector	Red LED
Parallel signalling	type LITES
Period of detector blocking after connection to power supply	100 s
Vision angle	90° (50° according to EN 54-10)
Detector sensitivity wavelength	4,3 µm
Construction according to ČSN EN 61241-14	Ex II 2D Ex tD A21 T85°C IP 65
Testing procedure	By the Test Bar MHY 533
Protection according to ČSN EN 60529	IP 65
Radio screening degree according to ČSN EN 55 022	B-class equipment
Dimensions	(Ø147 × 45) mm
Weight	c. 650 g
Safety requirements	Product is intended for operation with safe equipment in sense of ČSN EN 60950

Working conditions

The MHG 586 Flame Detector is intended for the interior of objects without occurrence of aggressive substances, and for places where its protection and climatic immunity conform, and where sudden temperature changes leading to dew and ice accretion don't occur.	
Working temperature range	+5°C ÷ +40 °C
Relative humidity	permanent < 85 %
Atmospheric pressure	(86 ÷ 106) kPa

Informative data

Working position	On the vertical wall of the powder painting booth without vibrations
Note:	Detector can work in arbitrary position
Signalling of dismounting from base	FAULT condition on the Evaluation Unit MHY 441



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