

PRODUCT INFORMATION SHEET

Actual status: 15.02.18



OPTICAL SMOKE DETECTOR OMX1001C EX
VdS-approval G 200005

OMX1001C Ex
Part-No.: 33039



Conventional optical smoke detector with intrinsically safe electronics for Ex zone 1. Robust smoke detector with automatic quiescent value tracking, can also be used in industrial areas. Operation in potentially explosive environments (Ex zones) with connection to the FCP via the TCM and a Zener barrier (item no. 33084). The barrier must be installed outside of the Ex zone according to the manufacturer's specifications.

- Constant functional monitoring of sensors, software and hardware using a microcontroller
- Operating status and readiness indicator with green flashing LED
- Alarm indicator with constant red LED
- Adjustment to ambient conditions through automatic quiescent value tracking
- Detection principle: infrared photodiode
- Number of detectors per line: max. 10
- For connection/mounting, see connection diagram 56543
- Detector sensitivity: approx. 0.16 dB/m

Technical Data

Supply Voltage	7,6 V – 13,2 V DC
Quiescent Current	approx. 18 mA
Alarm Current	approx. 18 mA
Protection class	IP43, using plugs and seals for mounting holes
Operating temperature	operating temperature T4: -20°C to +60°C; T6: -20°C to +40°C
Storage temperature	(-)40°C to +85°C
Humidity	max. 95% at 35 °C
Dimensions (H x D)	68 mm x 113 mm
Weight	240 g
Material	Polycarbonate
Colour housing	white
Standards	EN 54-7
VDS-approval	G 200005
System-approval	EN 54-7
CE-CPD-Number	0786-CPD-20131
ATEX-Nummer	EC-type examination certificate: DMT 00 ATEX E 043
Further approvals	Ex compliance as per 94/9/EC Ex II 2G Ex ia IIC T6...T4 Gb
Remarks	The detector housing has a high surface resistance. Electrostatic charge must be avoided. Electrostatic shielding is recommended.