

OTG multisensor fire detector (CO) IQ8Quad with isolator



Part-No.: 802473

Approval: VdS

Multisensor fire detector with integrated smoke detector, heat detector and gas sensor (CO) with enhanced false alarm management, for preventive and early detection of deep-seated smouldering fires which give a lot of CO as well as flaming fires through combined evaluation of scattered light, temperature and gas. An alarm is actuated at carbon monoxide (CO) concentration levels that are life-threatening for humans. Less susceptible to false alarms caused by dust, as well earliest and reliable detection of fire development due to the additional detection of CO. Also a Technical Alarm (TAL) can be programmed with the flexible programmable CO threshold up to 150 ppm. The detector is provided with an integrated isolator. A remote indicator can be connected.

Common technical data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	65 µA
Quiescent current @ FACP battery	approx. 225 µA @ 27,5 V
Quiescent current @ FACP battery	approx. 360 µA @ 42 V
Alarm current w/o communication curtain	18 mA
CO pre-alarm	75 ppm
CO alarm	100 ppm
Area to be monitored	110 m ²
Height to be monitored	12 m
Air velocity	0 m/s ... 25,4 m/s
Application temperature	-20 °C ... 50 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 %
Type of protection	IP 40 with base, up to IP 43 with base and option
Material	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 110 g
Detector specification	EN 54-7/-5 A2 I-17, CEA 4021
Dimensions	Ø: 117 mm H: 49 mm (62 mm incl. base)
Declaration of Performance	DoP-20115130701



In the course of installation, we recommend testing the integrated CO sensor with our CO test gas (Part No. 805583) or CO capsule (Part No. 805553). Durability CO sensor: 5 years Technical alarm range CO: 10 ppm ... 150 ppm Gas sensors (CO) mainly react to the carbon monoxide arising from a fire (CO). They have, however, also a cross sensitivity to other gases, as for example hydrogen (H₂), acetylene (C₂H₂) or nitric oxide (NO). Special marking for gas detector on the light pipe: golden ring.

Accessories:

767800	Mounting bracket
805590	Standard detector base for IQ8Quad
805591	Detector base with relay contact for IQ8Quad