

Optical smoke detector IQ8Quad with isolator



Part-No.: 802371
Approval: VdS, BOSEC

Optical smoke detector which works using the light scatter principle to guarantee safe and early detection of fire. Responds well to slow-burning, smouldering fires. Intelligent fire detector with decentralized intelligence, automatic function self-test, CPU failure mode, alarm and operating data memory, alarm indicator, soft-addressing and operating indication. 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	50 µA
Quiescent current @ FACP battery	approx. 280 µA
Alarm current w/o communication curtain	18 mA
Area to be monitored	110 m²
Height to be monitored	12 m
Air velocity	0 m/s ... 25,4 m/s
Application temperature	-20 °C ... 72 °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 /-17:2005
Dimensions	Ø: 117 mm H: 49 mm (62 mm incl. base)
Declaration of Performance	DoP-20104130701



Special colors on demand The detectors Part No. 802271, 803271, 802371, 803371, 802373, 802374 and 803374 are approved in the scope of the DIBt system authorization for the operation with an Automatic Door System. To determine the battery capacity of a fire alarm panel, the detector data "Quiescent current @ BMZ battery" can be added. In order to pass through existing wires, the WAGO grips, e. g. type 243-204 (Ø 0.5-1 mm) or 273/104 (0.75-2.5 mm²) can be integrated into the detector base. Please use only for commissioning/maintenance of fire detectors from SW version V2.42R006 the programming software tools 8000 from version V1.05.

Accessories:

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