

## 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 m <sup>2</sup>                                |
| 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 mm<sup>2</sup>) 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 |