

## O2T multisensor fire detector IQ8Quad with isolator



**Part-No.: 802374**

**Approval: VdS, BOSEC**

Multisensor fire detector using patented dual angle optical scatter as well as additional heat detector sensor evaluation to guarantee the detection of different types of fire from smoldering fires to open fires with constant sensitivity level. Smoke sensor signal identification to ensure smoke classification and reduction of false alarms caused by interferences, for instance, water vapor or dust. Used when early and reliable fire detection is requested. Because of its excellent detection characteristics and enhanced false alarm management, the detector is also able to identify the standardized TF1 and TF6 test fires. The O<sup>2</sup>T multisensor fire detector is also suitable for applications with higher temperatures of up to +65 °C. The detector is provided with an integrated isolator. A remote indicator can be connected.

With VdS approved parameter settings for special applications:

- Water/oil/haze
- Garage
- Hall
- Clean room
- High application temperature (~ 80°C)
- Hotel room
- User defined

### Common technical data

|                                         |                                                   |
|-----------------------------------------|---------------------------------------------------|
| Operating voltage                       | 8 ... 42 V DC                                     |
| Quiescent current @ 19 V DC             | 60 µA                                             |
| Quiescent current @ FACP battery        | approx. 330 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 ... 65 °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 B /-17:2005, CEA 4021                 |
| Dimensions                              | Ø: 117 mm H: 49 mm (62 mm incl. base)             |
| Declaration of Performance              | DoP-20105130701                                   |



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 |