# Rate-of-rise heat detector IQ8Quad with isolator

**Part-No.: 802271**
**Approval: VdS, BOSEC**

Automatic heat detector with a single thermistor to sense the air temperature around the detector. Fast semiconductor sensor guarantees reliable detection of fires with rapidly rising temperatures and integrated fixed temperature function for the detection of fires with slowly rising temperatures. Ideal for sensing in environments that are dirty or smoky under normal conditions, as well it is unaffected by wind or atmospheric pressure. 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

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|---|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 40 µA |
| Quiescent current @ FACP battery | approx. 220 µA |
| Alarm current w/o communication curtain | 18 mA |
| Area to be monitored | 30 m² |
| Height to be monitored | 7.5 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 54-5 A1R / -17:2005 |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-20103130701 |

ℹ Special marking for heat detector on the light pipe: black ring.

### Accessories:

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