Rate-of-rise heat detector IQ8Quad Ex (i) w/o isolator

Part-No.: 803271.EX
Approval: VdS, ATEX

Automatic heat detector with a single thermistor to sense the air temperature around the detector. The fast semiconductor sensor for the reliable recognition of fires with a single thermistor to sense the air temperature around the detector. The fast semiconductor quick rate of temperature rise as well as integrated fixed temperature heat function for the recognition of fires with slow temperature rise. 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, emergency mode, storage of alarm and operating data, alarm display. Soft addressing and separate operational display is only possible when operating an esserbus / esserbus-PLus IQ8Quad detector without loop isolator, especially for usage in explosion zones. Operation with individual addressing at Ex barrier Part No. 804744 and as standard detector at Ex barrier Part No. 764744.

Data according to ATEX

Max. Input Voltage (U_i)	21 V DC
Max. Input current (I_i)	252 mA
Max. Output current (I_o)	10 mA
Max. internal capacity (Ci)	1 nF
Ambient temperature (Ta)	-20 °C ... 70 °C
EC-type examination certificate	TÜV 09 ATEX 554910
Ex-category	II 2G (with Ex barrier Part No. 804744 or 764744)
Ex. protection	Ex ib IIC T4 Gb

Common technical data

Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	40 µA
Alarm current @ 9 V DC	18 mA
Area to be monitored	30 m²
Height to be monitored	7,5 m
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 incl. base + option
Material	ABS
Color	white, similar to RAL 9010
Weight	approx. 110 g
Detector specification	EN 54-5 A1R:2002
Dimensions	Ø: 117 mm H: 49 mm (62 mm incl. base)
Declaration of Performance	DoP-20913130701

ℹ️ Special marking for heat detector on light pipe: black ring

Accessories:

805590	Standard detector base for IQ8Quad