SOC-E-IS(WHT)

Intrinsically safe conventional smoke detector

Description

The SOC-E-IS(WHT) is a WHITE, optical smoke detector designed for use in hazardous areas. It incorporates a remote indicator output and a removable chamber for easy maintenance.

The SOC-E-IS is fully compatible with the majority of current conventional systems and incorporates a unique high performance optical smoke chamber removing the need to use ionisation detectors in the majority of applications.



Hazardous Area Classification

ATEX II 1G
II - Equipment group (Non-Mining)
1 - Equipment category (for Zone 0 or 20)
G - Type of explosive atmosphere (Gas, Vapours and Mist)

Cenelec Ex ia IIC T5 Ga (-20°C ≤ Ta ≤ +55°C)
Ex - Explosion protection symbol
ia - Protection concept (Intrinsically Safe)
IIC - Apparatus group (Gas)
T5 - Temperature classification (100°C)
Ga - Equipment protection level (Continuous)
Tamb - Ambient temperature range (-20 to +55°C)

BASEEFA Certificate number

Bassefa 19ATEX0143X

Details

- Removable, high performance chamber
- Automatic sensitivity window verification (ASWV) - Drift compensation technology
- Remote indicator output
- Wide voltage range (9.5 to 30 VDC)
- Single fire LED with 360° viewing
- Low profile design with one piece outer cover
- ATEX Classification to: Ex ia IIC T5 Ga (-20°C ≤ Ta ≤ +55°C)
- Suitable for installation in areas at Category 1 (including all lower categories)
- Approved by LPCB and VdS

SOC-E-IS(WHT)

Intrinsically safe conventional smoke detector

Technical specifications

General

Status indication	LED
Compatibility	Aritech, Kilsen & Ziton conventional zone interfaces using the YBN-R/4(IS) base
Connectivity	2-wire zone

Electrical

Power supply type	Zona alimentada
Operating voltage	12 to 30 VDC
Current consumption	35 µA (quiescent) <40 mA (alarm) 120 µA (sensitivity warning) <20 mA (remote indicator)

Detection

Detection principle	Optical light scatter

Physical

Physical dimensions	100 x 48 mm (Ø x H)
Net weight	106 g
Colour	Hvid
Mounting type	Montaje sobre base, Loftmontering
Material (body)	ABS
Functional marking	BASEEFA Rating

Environmental

Vandal proof	No
Operating temperature	-10 to +50°C
Storage temperature	-30 to +60°C
Relative humidity	<95% noncondensing @ 40°C
Environment	Indendør, IS
Hazardous environment rating	Ex ia IIC T5 Ga (-20°C ≤ Ta ≤ +55°C)
IP rating	IP42

Regulatory

Compliancy	CE, REACH, RoHS 2
Certification	CENELEC/ATEX, LPCB, VdS
Standards	EN54:7 IECEx BAS 19.0122X

KIDDE GLOBAL SOLUTIONS

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

Last updated on 21 March 2025 - 8:06