DB5 sounder range up to 103dB(A)

Intrinsically safe (Ex ia)



Overview

This range of lightweight, intrinsically safe sounders have been designed with a high weatherproof rating to cope with the harsh environmental conditions found offshore and onshore in the oil, gas and petrochemical industries.

The DB5 can also be used in the mining industry.

The unit is available in 2 models: 12Vdc and 24Vdc.

Features

- Zone 0, Zone 1 and Zone 2 use
- Ex ia IIC T4
- ATEX/IECEx certified (Group II Surface)
- ATEX/IECEx certified (Group I Mining)
- IECEx certified, Ga
- CCOE certified
- IP65
- Certified temperature –20°C to +55°C
- Volume control as standard
- Up to 103 dB(A)
- 26 different sound outputs, user selectable by internal switches
- Encapsulated electronics
- Second tone selectable using third wire

ATEX IECEx

Eaton
Unit B, Sutton Parkway
Oddicroft Lane
Sutton in Ashfield
United Kingdom
NG17 5FB

T: +44 (0) 1623 444 400
www.crouse-hinds.com/hac
MEDCSales@Eaton.com

Powering Business Worldwide

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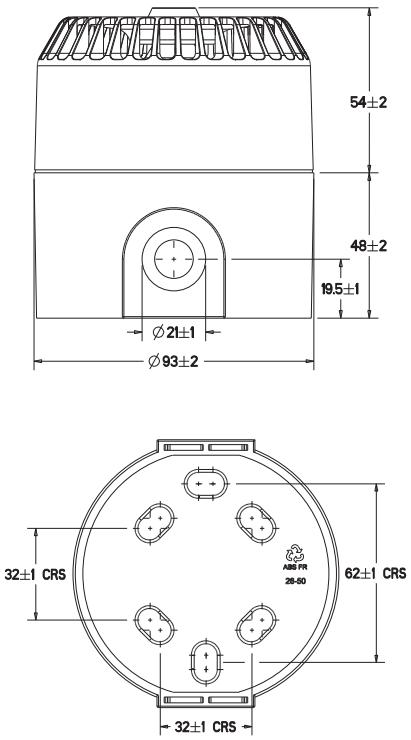
Certifications

ATEX Ex ia (surface)	Cert. no. BAS00ATEX1259X Certified to: EN60079-0, EN60079-11, EN60079-26 Ex ia IIC T4 Ga
ATEX Ex ia (surface sys)	Cert. no. Baseefa10Y0054 Certified to: EN60079-25 Ex ia IIC T4 Ga
ATEX Ex ia (mining)	Cert. no. MECS01ATEX4260 Certified to: EN50014, EN50020, EN50303 I M 1, EEx ia I
ATEX Ex ia (mining sys)	Cert. no. 94Y7095 Certified to: EN50039 Ex ia I
IECEx Ex ia (surface)	Cert. no. IECEx BAS 08.0043x Certified to: IEC60079-0, IEC60079-11, IEC60079-26 Ex ia IIC T4 Ga
IECEx Ex ia (mining)	Cert. no. IECEx ITA 15.0010X Certified to: IEC60079-0, IEC60079-11 Ex ia I Ma
ABS	American Bureau of Shipping type approval
CCC Ex ia (surface)	Ex ia IIC T4 Ga

Specifications

Material	A.B.S. (Acrylonitrile Butadiene Styrene)
Finish	Available in red as standard
Sound output	100± 3dB(A) for 12V and 24V versions Typical max value only – variable with tone Tones comply with BS 5839 Part 1
Current consumption	24Vdc model – 14 mA max. nominal 12Vdc model – 12 mA max. nominal
Certified temp	–20°C to +55°C
Weight	0.3 Kg
Entries	2 x M20 side entries
Terminals	6 off suitable to accept up to 2.5mm2 cable, for looping

General arrangement drawing (all dimensions in mm)



Ordering requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box

Model

DB5

Certification

Certification	Code
ATEX (surface)	B
ATEX (mining)	MB*
IECEx (surface)	J
IECEx (mining)	MJ
CCC	Q

*12Vdc only

Voltage

Voltage	Code
12Vdc	012
24Vdc	024

Tag label

Tag label	Code
None	N
Yes	Y*

*Please specify

Finish

Colour	Code
Red	R
Special	S*

*Please specify