

Sinteso™ Cerberus™ PRO

Audible alarm device (Ex)

DB3B



For explosion-hazard areas of zones 1 and 2

For fire detection and extinguishing systems
Various programmable tones
For indoor and outdoor applications
Explosion protection category 'Ex d'
"Ex d' classed as flameproof

Properties

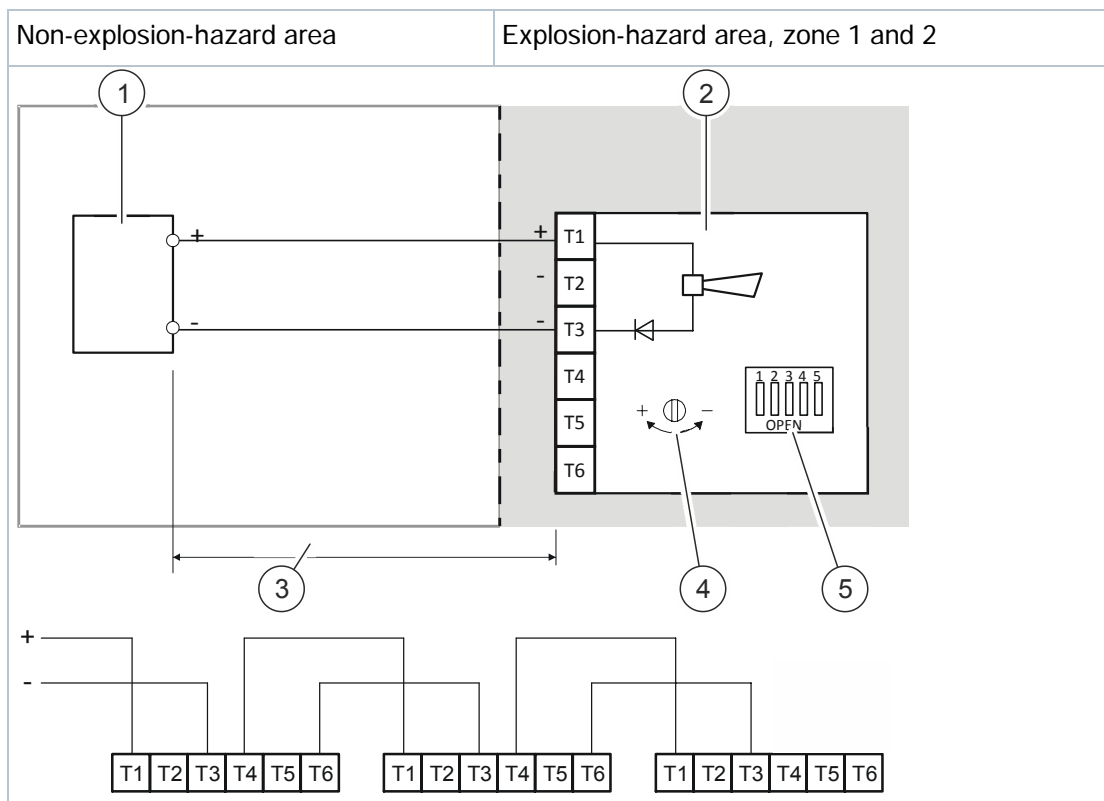
The design of the device is compliant with explosion protection category 'Ex d'.
 Housing: UV-resistant glass-fiber-reinforced polyester
 Mounting bracket with ratchet and screws: stainless steel
 It is not necessary for the housing to be connected to local ground.
 No safety barriers are required between the explosion-hazard area and the non-explosion-hazard area.

Functions

The device is for potentially explosive atmospheres such as those found in the crude oil, gas, and petrochemical industries.



Observe national guidelines and regulations.



- 1 Sounder interface
- 3 Line monitored
- 5 Code

- 2 Alarm device DB3B
- 4 Sound level

Type Overview

Type	Designation	Order number	Weight [kg]
DB3B	Audible alarm device (including Eaton ADE1 type cable gland)	DB3BDGD048N2BPSRZ Z=ADE1 GLAND	4.6

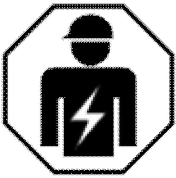
Product documentation

Related documents such as environmental declarations, CE declarations, etc., can be downloaded at the following Internet address:

<http://siemens.com/bt/download>

Notes

Mounting



Installations in explosion-hazard areas must be carried out by qualified technical personnel.
Observe acceptance and documentation specifications.
Only an expert is permitted to carry out installation work.
Incorrect installation can take safety devices out of operation which may not be detected by a layperson.

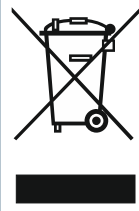
Only use the cable gland that has been supplied; this is approved for use in explosion-hazard areas. If shielded cables are being used, order the special cable gland type (see details for ordering).

Installation materials, protective spacing, and necessary markings in explosion-hazard areas must correspond to the national directives.

Programming

No.	Tones	Switch setting 1 2 3 4 5	Description	Typ. Sound level dB (A) 1 m For DC 24 V
1	Alt Stages 800 Hz/970 Hz at ¼ s	1 1 1 1 1		112
2	Sweeping 800 Hz/970 Hz at 7 Hz	1 1 1 1 0	Fast sweep (LF)	111
3	Sweeping 800 Hz/970 Hz at 1 Hz	1 1 1 0 1	Medium sweep (LF)	113
4	Continuous at 2850 Hz	1 1 1 0 0		111
5	Sweeping 2400 Hz – 2850 Hz at 7 Hz	1 1 0 1 1	Fast sweep	112
6	Sweeping 2400 Hz – 2850 Hz at 1 Hz	1 1 0 1 0		113
7	Slow whoop	1 1 0 0 1	Slow whoop	113
8	Sweeping 1200 Hz – 500 Hz at 1 Hz	1 1 0 0 0	Din Stage	117
9	Alternating 2400 Hz / 2850 Hz at 2 Hz	1 0 1 1 1		111
10	Int Stage of 970 Hz at 1 Hz	1 0 1 1 0	Back-up alarm (LF)	112
11	Alt Stages 800 Hz / 970 Hz at 7/8 Hz	1 0 1 0 1		112
12	Int Stage 2850 Hz at 1 Hz	1 0 1 0 0	Back-up alarm (HF)	112
13	970 Hz, ¼ s On/1 s Off	1 0 0 1 1		112
14	Continuous at 970 Hz	1 0 0 1 0		112
15	554 Hz for 100 ms, 440 Hz for 400 ms	1 0 0 0 1	French fire sound	113
16	Int 660 Hz, 150 ms On/150 ms Off	1 0 0 0 0	Swedish fire alarm	108
17	Int 660 Hz, 1.8 s On/1.8 s Off	0 1 1 1 1	Swedish fire alarm	108
18	Int 660 Hz, 6.5 s On/13 s Off	0 1 1 1 0	Swedish fire alarm	109
19	Continuous 660 Hz	0 1 1 0 1	Swedish fire alarm	108
20	Alt 554 Hz / 440 Hz at 1 Hz	0 1 1 0 0	Swedish fire alarm	113
21	Int 660 Hz at 7/8 Hz	0 1 0 1 1	Swedish fire alarm	108
22	Int 2850 Hz, 150 ms On/100 ms Off	0 1 0 1 0	Pelican crossing	111
23	Sweep 800 Hz – 970 Hz at 50 Hz	0 1 0 0 1	Low frequency buzz	109
24	Sweep 2400 Hz – 2850 Hz at 50 Hz	0 1 0 0 0	High frequency buzz	111
25	3 x 970 Hz pulses, 0.5 s On/0.5 s Off	0 0 1 1 1		112
26	3 x 2850 Hz pulses, 0.5 s On/0.5 s Off, 1.5 s Off	0 0 1 1 0		112
27	Int 3100 Hz, 320 ms On/680 ms Off	0 0 1 0 1		105
28	Continuous 1400 Hz	0 0 1 0 0		125
29	Spare / Custom tone	0 0 0 1 1		
30	Spare / Custom tone	0 0 0 1 0		
31	Spare / Custom tone	0 0 0 0 1		
32	Spare / Custom tone	0 0 0 0 0		

Disposal




The device is considered an electronic device for disposal in accordance with the European Guidelines and may not be disposed of as domestic garbage.

Dispose of the device through channels provided for this purpose.
Comply with all local and currently applicable laws and regulations.

Technical data

	DB3B
Operating voltage	DC 12...48 V
Current consumption	See tones
Diameter of connection wires	8 x 2.5 mm ²
Protection against polarity reversal	Yes
Sound level at 24 V and distance of 1 m	113...122 dB(A) depending on the tone
Tones	28
Operating temperature	-55...+70 °C (T4) -55...+55 °C (T5) -55...+40 °C (T6)
Air humidity	99 % rel.
Material: Ex housing	Fire-retardant, UV-resistant, glass-fiber-reinforced polyester
Material: Horn	Fire-retardant, durable, UV-resistant, thermoplastic polyester (UV stability tested in accordance with ISO 4892, Part 3)
Material: Mounting bracket and screws	Stainless steel
Protection category (IEC/EN 60529)	IP66 & 67 (IPx7 on housing only)
Ex classification	Ex II 2GD, Ex d IIC T4/T5/T6 Gb Ex tb IIIC T135°C/T100°C/T85°C Db
Standards for explosion-hazard areas	EN 60079-0, EN 60079-1, EN 60079-31
Ex approvals BASEEFA	Baseefa13ATEX0231X

 1180	DB3B	Eaton MEDC Ltd, Unit B, Sutton Parkway Oddicraft Lane, Sutton-In-Ashfield, NG17 5FB Technical data: see doc. A6V11421712
	Audible alarm device for explosion-hazard areas of zones 1 and 2 2014/34/EU (ATEX): EN 60079-0 / EN60079-1 / EN 60079-31; 2014/30/EU (EMC): EN 61000-6-2 / EN 61000-6-4 2011/65/EU (RoHS): EN 50581	
The EU Declaration of Conformity (DoC), which is obtainable via EATON MEDC Ltd.		
DoC No.: DB3B EU, EMC RoHS Declaration		

Dimensional drawings

