



国家防爆

Electrical Apparatus for Explosive Atmospheres

# CERTIFICATE OF CONFORMITY

Cert. No.: CNEx19.2400X

**Manufacturer** Eaton MEDC Limited  
 Unit B, Sutton Parkway, Oddcroft Lane, Sutton-in-Ashfield, NG175FB, UK

**Name of Product** Sounder

**Type of Product** DB3B GD

**Marking** Ex d IIC T\* Gb  
 Ex tD A21 IP6X T\*°C(See Annex)

**Drawing No.** 419-107

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

GB 3836.1-2010 Explosive atmospheres - Part 1: Equipment - General requirements

GB 3836.2-2010 Explosive atmospheres - Part 2: Equipment protection by flameproof enclosure "d"

GB12476.1-2013 Electrical apparatus for use in the presence of combustible dust -Part 1: General requirements

GB12476.5-2013 Electrical apparatus for use in the presence of combustible dust - Part 5: Protection by enclosures "tD"

**Note**

1. Temperature range:  $-55^{\circ}\text{C} \leq T_a \leq +^{\circ}\text{C}$ , see Annex
2. This certificate is only valid in combination with the related Annex(1 page in total)
3. Please read and understand the special conditions for safe use as stated in the Annex to this certificate

**Valid Date** From May 24, 2019 to May 23, 2024

**Issue Date** May 24, 2019

**Director**



**CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTRE FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS**

**Address:** No.20 North Zhongjing Rd, Nanyang, Henan(473008), P.R.China

**Tel:** 0377-63258564 **Fax:** 0377-63208175 **Http://www.china-ex.com**

Note: This certificate is only valid for the products which identify with the sample(s) tested and verified. Holder(s) of this certificate have the responsibility to ensure the products complying with relevant standard(s).

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This product has been certified by Baseefa, under certificate number Baseefa13ATEX0231X/4, dated on 2019-02-05.

**Product Description:**

The DB3B GD Sounder is rated up to 254V,15W and comprises a cylindrical body and two covers all moulded in Glass Reinforced Polyester. The front cover is an irregular shape which when fitted forms a chamber for the sound generating PCB's (with both AC & DC variants) and is permanently sealed/filled with a potting compound. In the front of this cover is a fine stainless steel mesh pressed metal wire element to facilitate sound transmission.

The circular rear cover closes a flameproof chamber housing an assembly of a transformer and a control/terminal PCB. The cover is fixed with six M5 x 20mm long stainless steel socket head screws of grade A2-70 minimum. The screws may be profiled to be retained within the rear cover during assembly/dis-assembly.

Up to two M20/M25 (or NPT equivalent) cable entries are provided in the side of the enclosure to accommodate suitably certified cable entry devices.

A plastic horn assembly (with either a long or short flare) is fitted externally to the front, and along the sides, of the enclosure, together with a mounting bracket.

The DB3B GD Sounder may optionally be marked with an alternative RB6-B GD type designation. The equipment may be marked with one or multiple combinations, as below:

Model	Power	Temperature marking
DB3B GD	15W	T4/T135°C(T <sub>amb</sub> = -55°C ≤ Ta ≤ +85°C)
		T5/T100°C(T <sub>amb</sub> = -55°C ≤ Ta ≤ +55°C)
		T6/T85°C(T <sub>amb</sub> = -55°C ≤ Ta ≤ +40°C)

Issue Date May 24, 2019

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