



国家防爆

Electrical Apparatus for Explosive Atmospheres

CERTIFICATE OF CONFORMITY

Cert. No.: CNEx19.2395X

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

Name of Product Sounder

Type of Product DB3BE GD

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

Drawing No. 419-107, 419-108

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"

GB 3836.3-2010 Explosive atmospheres - Part 3: Equipment protection by increased safety "e"

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: $-50^{\circ}\text{C} \leq T_a \leq +^{\circ}\text{C}$, see Annex
2. This certificate is only valid in combination with the related Annex(2 pages 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

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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 Baseefa13ATEX0233X/6, dated on 2019-02-05.

Product Description:

The DB3BE 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 an Ex e terminal enclosure and is secured by three M5 stainless steel screws. The screws may be profiled to be retained within the rear cover during assembly/dis-assembly. The Ex e chamber houses a certified terminal block of either 4, 6 or 8 (2x4) Ex e connection.

The base of this enclosure then forms the cover of the flameproof chamber and with integral cables passing through a potted bushing arrangement. The terminal enclosure is fixed with six M5x20mm 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. The flameproof Chamber houses an assembly of a transformer and a control/terminal PCB.

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

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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. When the short flare is fitted the ingress protection is reduced to IP65

Model	Power	Temperature marking	IP Rating
DB3BE GD	15W	T4/T135°C($T_{amb}=-50^{\circ}\text{C} \leq T_a \leq +85^{\circ}\text{C}$)	IP65:When fitted with short flare IP66:When fitted with long flare
		T5/T100°C($T_{amb}=-50^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$)	
		T6/T85°C($T_{amb}=-50^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$)	



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