



国家防爆

Electrical Apparatus for Explosive Atmospheres

CERTIFICATE OF CONFORMITY

Cert. No.: CNEx19.2393X

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

Name of Product Loudspeaker

Type of Product DB4B GD

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

Drawing No. 399-101

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(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

Tel: 0377-63258564 Fax: 0377-63208175 [Http://www.china-ex.com](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 DB4B GD Loudspeaker may be rated up to 100V at either 8W, 15W or 25W 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 speaker driver assembly 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 equipment may be marked with one or multiple combinations, as below:

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Model	Power	Temperature marking
DB4B GD	8W	T4/T135°C($T_{amb}=-55^{\circ}\text{C} \leq T_a \leq +85^{\circ}\text{C}$)
		T5/T100°C($T_{amb}=-55^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$)
		T6/T85°C($T_{amb}=-55^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$)
	15W	T3/200°C($T_{amb}=-55^{\circ}\text{C} \leq T_a \leq +85^{\circ}\text{C}$)
		T4/T135°C($T_{amb}=-55^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$)
		T5/T100°C($T_{amb}=-55^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$)
	25W	T4/T135°C($T_{amb}=-55^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$)
		T5/T100°C($T_{amb}=-55^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$)



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