



1 **SUPPLEMENTRY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate
Number: **Baseefa03ATEX0257/1**

4 Equipment or Protective System: **A Type DB6 BELL**

5 Manufacturer: **Cooper MEDC Limited**

6 Address: **Colliery Road, Pinxton, Nottingham, NG16 6JF**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa03ATEX0257** to apply to equipment or a protective system designed and constructed in accordance with the specification set out in the Schedule of this certificate and incorporates and supersedes all previous issues of the said certificate.

8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR09.0061/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

IEC 60079-0: 2007 Edition 5 **IEC 60079-1: 2007 Edition 6**

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign “X” is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This Supplementary EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

⊕ II 2 G Ex d IIB T5 Gb (Ta -20°C to + 55°C)

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **0676**

Project File No. **07/1024**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa

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Baseefa is a trading name of Baseefa Ltd

Registered in England No. 4305578. Registered address as above.

R S SINCLAIR

DIRECTOR
On behalf of
Baseefa



13 **Schedule**

14 **Certificate Number Baseefa03ATEX0257/1**

15 **Description of Equipment or Protective System**

The Type DB6 bell comprises a rectangular enclosure and cover manufactured from cast iron. The cover is secured using 4 M6 grade 12.9 steel socket head cap screws.

The enclosure houses a coil & contact type vibrator assembly and a terminal assembly which may include up to 7 terminals and various resistor/diode combinations. The vibrator assembly causes oscillation of a shaft, which passes through a hole in the base, causing a hardened steel hammer to strike a cast iron gong.

Internal and external earthing facilities are provided, together with up to two cable entries threaded either M16 or M20.

The DB6 Bell is rated 24V d.c. 0.3A. or 200/254V a.c. 0.1A 40/60Hz.

16 **Report Number**

Baseefa Certification Report GB/BAS/ExTR09.0061/00, held with IECEx BAS 09.0040

17 **Special Conditions for Safe Use**

None.

18 **Essential Health and Safety Requirements**

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 **Drawings and Documents**

The drawings indicated below amalgamate the current design and previous variations, and supersede all previous issues.

Number	Sheet	Issue	Date	Description
198-196	1	A	05.08.09	General Arrangement, DB6 Bell
198-197	1	A	16.11.09	Casting/Machining Detail
198-195	-	A	03.08.09	Label Details



1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa03ATEX0257**

4 Equipment or Protective System: **A Type DB6 BELL**

5 Manufacturer: **MEDC Limited**

6 Address: **Colliery Road, Pinxton, Nottingham, NG16 6JF**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa (2001) Ltd. Notified body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. 02(C)0294

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014: 1997 + Amendments 1 and 2

EN 50018: 2000 + Amendment 1

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

Ex II 2G EEx d IIB T5 (T_{amb} = -20°C to +55°C)

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa (2001) Ltd. Customer Reference No. 0676

Project File No. 02/0294

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa (2001) Ltd.

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PP R S SINCLAIR

DIRECTOR

On behalf of

Baseefa (2001) Ltd.

Re-issued 3 March 2004



13

Schedule

14

Certificate Number Baseefa03ATEX0257

15 Description of Equipment or Protective System

The Type DB6 Bell is rated at 200/254V ac, 40/60Hz, 0.1A or 24 V dc, 0.3A and comprises a rectangular cast iron enclosure and cover which is secured by 4 off M6 by 12mm long socket head screws of steel grade 12.9

The enclosure houses a coil & contact type vibrator assembly and a terminal assembly which may include up to 7 terminals and various resistor/diode combinations.

The vibrator assembly causes oscillation of a shaft, which passes through a hole in the base, causing a hardened steel hammer to strike a cast iron gong.

Internal and external earthing facilities are provided, together with up to two cable entries threaded either M16 or M20 for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with suitable certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component) under an EC Type Examination Certificate to Directive 94/9/EC.

16 Report Number

Baseefa Certification Report No 02(C)0294

17 Special Conditions for Safe Use

None

18 Essential Health and Safety Requirements

As follows, in addition to those covered by the standards at item 9.

Clause	Subject	Compliance
1.3.1	Hazards arising from different ignition sources	Baseefa Certification Report 02(C)0294

19 Drawings and Documents

Number	Issue	Date	Description
198-181	A	25-03-03	General Arrangement, DB6 Bell
198-182	A	25-03-03	Casting/Machining Detail