

EC-TYPE EXAMINATION CERTIFICATE


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

- 1 EC-Type Examination Certificate Number : **BAS01ATEX2082X**
- 2 Equipment or Protective System: **TYPE CSB 656 COMPOUND STOPPER BOX**
- 3 Manufacturer: **HAWKE CABLE GLANDS LIMITED**
- 4 Address: **Ashton-under-Lyne, Lancashire, OL7 0NA**
- 5 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 6 The Electrical Equipment Certification Service, notified body number 600 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 N°

BASEEFA Certification Report No. 01(C)0271/3 dated 16 August 2001

- 7 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997 + Amds 1 & 2 EN 50018: 2000 EN 50019: 2000 EN 50281-1-1: 1998
except in respect of those requirements listed at item 18 of the Schedule.
- 8 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.
- 9 This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.
- 10 The marking of the equipment or protective system shall include the following:-

 **II 2 GD EEx d IIC EEx e II IP66**

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

File No: EECS 0500/01/053

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



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I M CLEARE
DIRECTOR
24 August 2001



13

Schedule

14

EC-TYPE EXAMINATION CERTIFICATE N° BAS01ATEX2082X

15

Description of Equipment or Protective System

The Type CSB 656 Compound Stopper Box may be manufactured in brass, aluminium or stainless steel and is intended for use with a number of conductors enclosed within a conduit, or retained by a separate cable gland. This gland may be produced in the size range A to F, i.e. with an entry thread size in the range M20 to M75, or equivalent sizes in imperial conduit, Pg, BSPP, BSPT, NPT or NPSM threadforms. Type CSB 656 Compound Stopper Box comprises the following components:-

- a. An entry component
- b. An elastomeric ferrule
- c. An epoxy barrier compound
- d. A compression assembly comprising a compression spigot with a female thread at the rear
- e. A dedicated back nut

16

Report No.

BASEEFA Certification Report No. 01(C)0271/3

17

Special Conditions For Safe Use

1. These glands are suitable for use within an operating temperature range of -60°C to +80°C.
2. When the gland is used for increased safety or dust protection, the entry thread shall be suitably sealed to maintain the ingress protection rating of the associated enclosure.
3. These glands are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting.

18

Essential Health and Safety Requirements

Essential Health and Safety Requirements not covered by Standards listed at (9)		
Clause	Subject	Compliance
1.0.2	Analysis of possible operating faults	BASEEFA Report No. 01(C)0271/3
1.0.3	Special checking and maintenance conditions	No special requirements
1.2.2	Components for incorporation or replacement	BASEEFA Report No. 01(C)0271/3
1.2.5	Additional means of protection	Not applicable
1.2.7	Protection against other hazards	BASEEFA Report No. 01(C)0271/3
2.1.	Category 1	Not applicable
2.2.1	Category 2G	BASEEFA Report No. 01(C)0271/3
2.2.2	Category 2D	BASEEFA Report No. 01(C)0271/3
2.3.	Category 3	Not applicable
3.	Requirements for protective systems	Not applicable



13

Schedule

14

EC-TYPE EXAMINATION CERTIFICATE N° BAS01ATEX2082X

19

DRAWING

Number	Issue	Date	Description
CSB 656	A	02/05/01	General Arrangement Type CSB 656 Compound Stopper Box

The detail drawing for each individual gland part referred to on the above general arrangement drawing is certified under Component Certificate BAS01ATEX2060U and held on EECS 0500/01/054.

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BASEEFA List Keywords
2CABLEGL