



1 EC-TYPE EXAMINATION CERTIFICATE

2 **Component Intended for use on/in an Equipment or Protective System**
3 **Intended for use in Potentially Explosive Atmospheres**
4 **Directive 94/9/EC**

5 EC-Type Examination Certificate Number : **BAS01ATEX2111U**

6 Component: **TYPE IES10 INTERNAL/EXTERNAL EARTH STUD**

7 Manufacturer: **HAWKE CABLE GLANDS LIMITED**

8 Address: **Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

9 This Component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

10 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 component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components 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°

99(C)0836/7 dated 11 July 2001

11 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997 + Amd 1 & 2 EN 50019: 2000 EN 50281-1-1: 1998
except in respect of those requirements listed at item 18 of the Schedule.

12 The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

13 This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

14 The marking of the component shall include the following:-

Ex II 2 GD EEx e II

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File No: EECS 0500/03/057

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
11 July 2001



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Schedule

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Description of Component

The Type Through Wall Earth Stud is made of leaded brass, naval brass or high tensile brass.

It comprises a solid body with hexagonal face and 20mm entry thread and two internally threaded pillars screwed into each end forming the terminal pillars. Into each pillar is screwed a hexagonal slotted head fastener. The terminal incorporates a saddle clamp and locking washer on each end.

The main body incorporates an 'O' ring seal against the hexagonal internal face. The 'O' ring is made from either nitrile or silicone rubber.

The assembly is designed for use in M20 threaded entry holes.

When conductors are connected to the terminal they are retained under the clamp and lock washer assembly.

The internal/external earth stud when fitted in equipment as specified on D2557 meets the requirements of IP66 or IP67.

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Schedule of Limitations

1. Earth studs fitted with nitrile 'O' rings shall not be exposed to temperatures outside the range -20°C to 90°C.
2. Earth studs fitted with silicone rubber 'O' rings shall not be exposed to temperatures outside the range -60°C to 200°C.

18.

Essential Health and Safety Requirements

None that aren't covered by assessment against EN 50014: 1997, EN 50019: 1994 and EN 50281-1-1: 1998.



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19. DRAWINGS

Number	Issue	Date	Description
D2557	A	21/5/01	General arrangement
D2558	A	30/4/01	Body details
D2559	A	21/3/01	Clamping washer

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BASEEFA List Keywords
2ENCLOSU