

# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx ITS 14.0062X Issue No: 0 Certificate history:  
Status: Current Page 1 of 3 Issue No. 0 (2014-11-06)  
Date of Issue: 2014-11-06  
Applicant: Hengstler GmbH  
Uhlandstrasse 49,  
78554 Aldingen.  
Germany  
Electrical Apparatus: AX73 Flameproof Encoder  
Optional accessory:  
Type of Protection: Flameproof 'Ex d', and Dust Protection by Enclosure 'Ex tb'  
Marking:  
Ex d IIC T4 Gb  
Ex tb IIIC T130 Db -40°C ≤ Ta ≤ 70°C


Approved for issue on behalf of the IECEx  
Certification Body:

A Dickinson

Position:

Certification Officer

Signature:  
(for printed version)

  
7 November 2014

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Intertek Testing & Certification Limited  
ITS House, Cleeve Road,  
Leatherhead,  
Surrey, KT22 7SB  
United Kingdom





# IECEX Certificate of Conformity

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Date of Issue: 2014-11-06 Page 2 of 3  
Manufacturer: **Hengstler GmbH**  
Uhlandstrasse 49,  
78554 Aldingen.  
Germany

Additional Manufacturing  
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

**IEC 60079-0 : 2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0  
**IEC 60079-1 : 2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:6  
**IEC 60079-31 : 2008** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'  
Edition:1

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

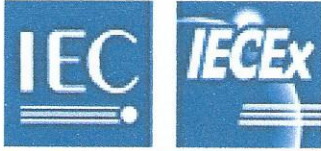
*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

##### Test Report:

GB/ITS/ExTR14.0013/00

##### Quality Assessment Report:

DE/PTB/QAR12.0001/01



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The AX73 flameproof encoder is an absolute rotary encoder housed within a stainless steel enclosure. The encoder detects the angular position of a rotating axis and is intended to be used, for example, on a motor operating in a potentially explosive gas or dust atmosphere. The equipment is provided with two M20x1.5 threaded entries for suitably certified Ex d IIC Gb and Ex IIIC Db cable glands. Any unused cable entry must be fitted with a suitably certified Ex d IIC Gb and/or Ex tb IIIC Db stopping plug dependent on the method of protection required for the installation. External and internal earthing facilities are provided.

**CONDITIONS OF CERTIFICATION: YES as shown below:**

### Annex:

Annex to IECEx ITS 14.0013X issue 0.pdf



Schedule of Drawings for Certificate: IECEX ITS 14.0013X Issue 0

Manufacturer:

Hengstler GmbH  
D-78554 Aldingen, Germany

**New Documents**

Title:	Drawing No.:	Rev. Level:	Date:
Label Drawing	0-539-955	3070314Wö	08.10.2014
Passschraube	2-539-165	3040913Wö	03.09.13
Ex-Zeichnung AX71	0-539-953	3120314Wö	07.06.14

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This certificate may only be reproduced in its entirety and without change, schedule included and is subject to Intertek Testing & Certification Conditions for granting certification.