



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

Certificate No.: IECEx BAS 09.0088X issue No.:1 Certificate history:
Issue No. 1 (2010-7-2)
Issue No. 0 (2009-8-28)

Status: **Current**

Date of Issue: **2010-07-02** Page 1 of 4

Applicant: **ABTECH Limited**
5 Sanderson Street
Sheffield
S9 2UA
United Kingdom

Electrical Apparatus: **AAG XXX Range of Cable Glands**
Optional accessory:

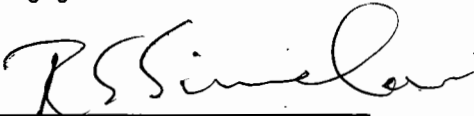
Type of Protection: **Flameproof, Increased Safety and Dust Protection by Enclosure**

Marking: **Ex d IIC Ex e II Ex tD A21 IP66 (-60°C ≤ ta ≤ +100°C)**

Approved for issue on behalf of the IECEx Certification Body: R S Sinclair

Position: Managing Director

Signature:
(for printed version)


2-7-10

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.

Certificate issued by:

Baseefa
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom





IECEX Certificate of Conformity

Certificate No.: IECEx BAS 09.0088X

Date of Issue: 2010-07-02

Issue No.: 1

Page 2 of 4

Manufacturer: **ABTECH Limited**
5 Sanderson Street
Sheffield
S9 2UA
United Kingdom

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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-7 : 2001 Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/BAS/ExTR09.0126/00
GB/BAS/ExTR10.0149/00

Quality Assessment Report:

GB/BAS/QAR07.0030/01
GB/SIR/QAR06.0046/01



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 09.0088X

Date of Issue: 2010-07-02

Issue No.: 1

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The AAG XXX RANGE OF CABLE GLANDS

The AAG Range of Cable Glands is intended for use with an effectively filled and circular, armoured or basket weave armoured, or braided (screened) cable and comprises the following components the metal parts of which can be manufactured in brass and may be nickel plated to suit the application

See annex for full description.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. These glands are suitable for use within an operating temperature range of -60°C to $+80^{\circ}\text{C}$.
2. When the gland is used for increased safety or dust protection, the entry thread shall be suitably sealed, in accordance with IEC 60079-14, to maintain the ingress protection rating of the associated enclosure
3. Glands for use with conduit, unarmoured or braided cables are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting.
4. In all installations both clamping rings must be fitted. When used with armoured or braided cable the unused ring must be installed behind the used ring.



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 09.0088X

Date of Issue: 2010-07-02

Issue No.: 1

Page 4 of 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 1.1

An alternative armour clamping arrangement utilising single piece armour clamping rings, in two sizes, for either wire armoured cable (UW), or braided cables (UX). The alternative rings optionally replace the existing assembly using two rings together (i.e. one used to clamp and the other used as a spacer), in gland sizes 2016 to 75 (and equivalent).

Variation 1.2

Introduction of alternative sealing rings for gland sizes 80, 90 and 100 to increase the range of cable sizes that can be accommodated.

Variation 1.3

Use of stainless steel as an alternative material of manufacture.

Variation 1.4

Extension of the permitted service temperature range to +100°C.

ExTR: GB/BAS/ExTR10.0149/00

File Reference: 10/0453