



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 08.0003X issue No.:7

Status: Current

Date of Issue: 2016-07-14 Page 1 of 4

Applicant: **Dong A Bestech Company Limited**
13-16, Samjeong-Dong
Ojeong-Ku
Bucheon-City
Kyung Gi-Do
Korea, Republic of

Certificate history:
Issue No. 7 (2016-7-14)
Issue No. 6 (2014-1-7)
Issue No. 5 (2013-12-16)
Issue No. 4 (2011-10-11)
Issue No. 3 (2011-5-10)
Issue No. 2 (2010-5-24)
Issue No. 1 (2010-4-14)
Issue No. 0 (2008-1-29)

Equipment: A2F-S-XXX Range of Displacement Seal Type Cable Glands.
Optional accessory:

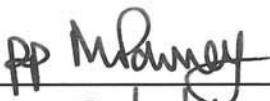
Type of Protection: Ex d, Ex e, Ex tD

Marking: Ex d IIC
Ex e II
Ex tD A21 IP66/IP67
(- 60°C ≤ ta ≤ + 100°C)

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

Position: Technical Manager

Signature:
(for printed version)



20/7/16

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:

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





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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The A2F-S-XXX Cable Gland is intended for use with an effectively filled and circular cable and comprises the following components, the metal components of which may be coated or plated to suit application:

- a. A entry component, in the size range (M20 to M90)
- b. A displacement inner sealing ring
- c. A metal compression ring
- d. A liner bush
- e. A compression nipple

The XXX is used to define the size of cable gland e.g. 20a or 25 etc.

Variation 0.1

Substitution of the M20 to M90 entry component with an entry having the NPT equivalent in the range 1/2"NPT to 3"NPT.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. These glands are suitable for use within an operating temperature range of -60°C to +100°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 are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting.
4. When used in flameproof applications on braided or armoured cable the seal within the gland must seal onto the inner sheath of the cable, i.e. that which is under the braid or armour and not on the outer sheath that covers the braid or armour.
5. The Type A2FRC gland is intended to create a flameproof, increased safety and/or dust seal at the enclosure wall, but not on the end of the conduit, and should not be used in reverse (i.e. the female threaded nut is considered to be outside of the certified enclosure).
6. A potential decrease in the creepage and clearance distance, due to the increased length of the entry thread, must be assessed before incorporation into any other equipment.



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Manufacturer: **Dong A Bestech Company Limited**
13-16, Samjeong-Dong
Ojeong-Ku
Bucheon-City
Kyung Gi-Do
Korea, Republic of

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 : 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 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by 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/ExTR08.0010/00
GB/BAS/ExTR11.0110/00
GB/BAS/ExTR13.0309/00

GB/BAS/ExTR10.0074/00
GB/BAS/ExTR11.0244/00
GB/BAS/ExTR16.0148/00

GB/BAS/ExTR10.0111/00
GB/BAS/ExTR13.0294/00

Quality Assessment Report:

GB/BAS/QAR07.0030/06



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

Variation 7.1

To confirm that the A2F-S XXX Range of Displacement Glands covered by this certificate have been reviewed against the requirements of EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-7:2015 and EN 60079-31:2014 in respect of the differences from the standards to which this certificate was issued; none of these differences affect this equipment, other than the code marking requirements which have been addressed.

Variation 7.2

Introduction of a new rubber material for the sealing rings.

Variation 7.3

Thread length extension on female part of entry adaptor and middle nut.

ExTR: GB/BAS/ExTR16.0148/00

File Reference: 14/0871