



# 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 BAS 08.0116X

Issue No: 13

Certificate history:

Status: **Current**

Issue No. 13 (2018-06-20)

Issue No. 12 (2017-03-16)

Date of Issue: **2018-06-20**

Page 1 of 4

Issue No. 11 (2016-08-23)

Issue No. 10 (2016-06-01)

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

Issue No. 9 (2015-05-27)

Issue No. 8 (2014-01-07)

Issue No. 7 (2013-07-24)

Issue No. 6 (2012-03-12)

Issue No. 5 (2011-05-10)

Issue No. 4 (2010-10-26)

Equipment: **A DNEX-A XXX Range of Displacement Seal Type Cable Glands.**

*Optional accessory:*

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

Marking:

**Ex db IIC Gb  
Ex eb IIC Gb  
Ex tb IIIC Db (-60°C +100°C)**

*Approved for issue on behalf of the IECEx  
Certification Body:*

R S Sinclair

*Position:*

Technical Manager

*Signature:  
(for printed version)*

*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:

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





# IECEX Certificate of Conformity

Certificate No: IECEX BAS 08.0116X Issue No: 13

Date of Issue: **2018-06-20** Page 2 of 4

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 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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-7 : 2015</b> Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*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:

<a href="#">GB/BAS/ExTR08.0233/00</a>	<a href="#">GB/BAS/ExTR10.0031/00</a>	<a href="#">GB/BAS/ExTR10.0116/00</a>
<a href="#">GB/BAS/ExTR10.0250/00</a>	<a href="#">GB/BAS/ExTR11.0110/00</a>	<a href="#">GB/BAS/ExTR12.0050/00</a>
<a href="#">GB/BAS/ExTR13.0085/00</a>	<a href="#">GB/BAS/ExTR13.0294/00</a>	<a href="#">GB/BAS/ExTR15.0102/00</a>
<a href="#">GB/BAS/ExTR16.0146/00</a>	<a href="#">GB/BAS/ExTR16.0162/00</a>	<a href="#">GB/BAS/ExTR17.0038/00</a>
<a href="#">GB/BAS/ExTR18.0128/00</a>		

### Quality Assessment Report:

[GB/BAS/QAR07.0030/07](#)



# IECEX Certificate of Conformity

Certificate No: IECEx BAS 08.0116X

Issue No: 13

Date of Issue: 2018-06-20

Page 3 of 4

## Schedule

### EQUIPMENT:

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

A DNEX-A XXX Range of Displacement Seal Type Cable Glands is intended for use with an effectively filled and circular, single wire armoured, steel basket weave armoured or braided (screened) cable and comprises the following components, the metal components of which may be coated or plated to suit application:

- a. An entry adaptor, in the size range (M20 to M75)
- b. A displacement sealing ring
- c. A combined compression spigot and armour clamping cone
- d. An armour clamping ring for steel wire armour cable or
- e. An armour clamping ring for steel basket weave armour or braided (screened) cable
- f. A middle nut
- g. An outer seal assembly (sleeve seal and support ring)
- h. A back nut

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 M75 entry component with an entry having the NPT equivalent in the range ½"NPT to 3"NPT

#### Variation 0.2

Substitution of the M20 to M50 entry component with an entry having Pg equivalent in the range Pg13.5 to Pg 42.

#### Variation 0.3

Inclusion of an earth continuity device and addition of cable gland sizes 80,90 and 100 within the range; on armoured cable glands such that they are comprised of the following:-

- a. An entry adaptor, in the size range (M20 to M100)
- b. An optional earth continuity device (Bond & Bond holder)
- c. A displacement sealing ring
- d. A combined compression spigot and armour clamping cone
- e. An armour clamping ring for steel wire armour cable or
- f. An armour clamping ring for steel basket weave armour or braided (screened) cable
- h. A middle nut
- i. An outer seal assembly (sleeve seal and support ring)
- j. A back nut

### SPECIFIC CONDITIONS OF USE: 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 for use with braided (screened) cables or armoured cables having an armour diameter less than 0.2mm are only suitable for fixed installations, the cable for which must be effectively clamped to prevent pulling and twisting.
4. 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.



# IECEX Certificate of Conformity

Certificate No: IECEx BAS 08.0116X

Issue No: 13

Date of Issue: 2018-06-20

Page 4 of 4

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

### Variation 13.1

To confirm that the DNEX-A XXX Range of Displacement Seal Type Cable Glands of size M63 to M100 have been reviewed and re-tested as per requirements of IEC 60079-0:2011 Edition 6 and IEC 60079-1:2014 Edition 7.

ExTR: **GB/BAS/ExTR18.0128/00**

File Reference: **17/0361**