



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx BAS 08.0001X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 4 Issue 3 (2019-02-13)  
Date of Issue: 2021-02-25 Issue 2 (2015-05-12)  
Issue 1 (2014-06-09)  
Issue 0 (2008-04-09)  
Applicant: **ABB Cable Management Products Ltd**  
Station Road  
Coleshill  
Birmingham  
B46 1HT  
United Kingdom  
Equipment: **EXB/EXBB and XESX Conduit Range and EXPQ and EXBQ Range of Fittings**  
Optional accessory:  
Type of Protection: **Increased safety or dust protection by enclosure**  
Marking: **Ex eb IIC Gb**  
**Ex tb IIIC Db IP66 (Tamb - \*\*°C to + \*\*°C) – see schedule**

Approved for issue on behalf of the IECEx  
Certification Body:

**R. S. Sinclair**

Position:

**Technical Manager**

M POWNEY  
Certification  
Manager

Signature:  
(for printed version)

25.2.2021

Date:

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2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

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





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Manufacturer: **ABB Cable Management Products Ltd**  
Station Road  
Coleshill  
Birmingham  
B46 1HT  
**United Kingdom**

Additional manufacturing locations: **ABB Switzerland Ltd.**  
PMA Cable Protection  
Aathalstrasse 90  
8610 Uster  
**Switzerland**

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 equipment 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 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

[GB/BAS/ExTR08.0002/00](#)

[GB/BAS/ExTR12.0234/00](#)

[GB/BAS/ExTR20.0181/00](#)

Quality Assessment Reports:

[CH/SEV/QAR17.0010/00](#)

[GB/BAS/QAR06.0024/09](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The conduit range consists of the EBX, EXBB, XESX and XESXB conduit types together with the EXPQ\* and EXBQ\* fittings.

The ambient operating temperature range of the equipment is dependent on the conduit type and size as follows:-

EXB Sizes 03 to 08 (-20°C to +80°C)

EXB Sizes 09 to 10 (-40°C to +85°C)

EXBB Sizes 03 to 08 (-20°C to +80°C)

XESX Sizes 02 to 08 (-40°C to +85°C)

XESXB Sizes 02 to 08 (-40°C to +85°C)

All three conduit types have a corrugated outer profile, the (B) suffix denoted stainless steel over braiding. The EXPQXXXXX conduit fitting components may be manufactured in brass or stainless steel which may be coated or plated to suit the application. The combined sealing and clamping ring is manufactured from silicone rubber. The fitting comprises a back-nut which is passed over the conduit; the sealing ring is then placed over the conduit and has one, or two, (depending on conduit diameter) internal sections that locate in the corrugated section of the conduit. The conduit is located in the body of the fitting such that the seal is displaced, up on the tightening of the back-nut onto the body and forms a seal with the fitting and retains the conduit. The body may be provided with metric or NPT male entry thread forms.

The EXBB conduit is identical to the EXB conduit but is fitted with an external layer of stainless steel braid. The EXBQXXXXX fitting is similar to the EXPQ fitting but is fitted with an additional external clamping mechanism that locates on to a modified backnut and is used to clamp the stainless braid.

The XXXXX is used to identify the thread form size and conduit size for the fitting.

The XESX conduit is similar to the EXB conduit but is constructed in three layers.

The XESXB conduit system is identical to the XESX but is fitted with an external layer of stainless steel braid.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. The conduit and fittings are suitable for use within an operating temperature range of -20°C to +80°C.
2. When the conduit and fittings are used for increased safety or dust protection, the interface (between the fitting and enclosure) shall be suitably sealed, in accordance with IEC 60079-14, to maintain the ingress protection rating of the associated enclosure.
3. The conduit and fittings have been subject to the impact tests corresponding to 'low risk of mechanical damage' and are therefore restricted to use in areas where the risk of mechanical damage is designated as low.



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

### Variation 4.1

To confirm that the equipment covered by this certification has been reviewed against the requirements of IEC 60079-0: 2017, IEC 60079-7: 2015+AMD1: 2017 and IEC 60079-31: 2013.

### Variation 4.2

To amend the Specific Conditions of Use.

ExTR: **GB/BAS/ExTR20.0181/00**

File Reference: **20/0515**