



# 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 06.0019X issue No.:5

Status: Current

Date of Issue: 2015-06-18 Page 1 of 4

Applicant: **Hawke International**  
A Division of Hubbell Ltd  
A member of the Hubbell Group of Companies  
Oxford Street West, Ashton-under-Lyne  
Lancashire, OL7 0NA  
United Kingdom

Certificate history:

Issue No. 5 (2015-6-18)  
Issue No. 4 (2015-2-9)  
Issue No. 3 (2013-10-8)  
Issue No. 2 (2012-8-30)  
Issue No. 1 (2012-7-3)  
Issue No. 0 (2007-3-1)

Electrical Apparatus: The PowerEx Range Of In-line Plug & Socket Connectors  
Optional accessory:

Type of Protection: Ex db , Ex tb

Marking: Ex db IIC T\* Gb Ex tb IIIC T\*°C Db (Tamb -40°C to +\*\*°C)  
Ex db IIB+H<sub>2</sub> T\* Gb Ex tb IIIC T\*°C Db (Tamb -40°C to +\*\*°C)  
\* see the Certificate Annex for the permitted Temperature Class and ambient temperature (\*\*) combinations

Approved for issue on behalf of the IECEx  
Certification Body:

R S Sinclair *PP DBREARLEY*

Position: Technical Manager

Signature:  
(for printed version)

*DBREARLEY*  
19/6/15

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





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Manufacturer: **Hawke International**  
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Oxford Street West  
Ashton-under-Lyne  
Lancashire  
OL7 0NA  
United Kingdom

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:

<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"

*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/ExTR06.0018/00  
GB/BAS/ExTR13.0219/00

GB/BAS/ExTR12.0168/00  
GB/BAS/ExTR15.0018/00

GB/BAS/ExTR12.0222/00  
GB/BAS/ExTR15.0115/00

##### Quality Assessment Report:

GB/BAS/QAR06.0061/04



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## Schedule

### EQUIPMENT:

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

A range of in-line power connectors in the size range 32 to 75, based on the rear cable entry size.

The connector insert arrangements may have 1, 3 or 4 pins/sockets and may be keyed in a variety of positions.

See Annex for further detail

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

1. These connectors must be electrically isolated before any attempt is made to remove the covers or join or separate the two halves
2. When separated the metal flameproof caps (not the acetal environmental caps) shall be fitted and locked before any associated supply cables are re-energised.
3. The cable entry devices selected for use with the in-line connectors shall provide a mechanical cable retention facility appropriate to the cable type and conditions of service.
4. When used in dust environments the cable entry threads shall be sealed in accordance with the installation code of practice to ensure that an ingress protection level of IP6X is maintained.
5. Flameproof joints are not intended to be repaired.



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

### Variation 5.1

To correct the previous marking as below:

Ex db IIC T\* Gb Ex tb IIIC T\*\*°C Db (Tamb -40°C to +\*\*°C)

Ex db IIB+ T\* Gb Ex tb IIIC T\*\*°C Db (Tamb -40°C to +\*\*°C)

\* see the Certificate Annex for the permitted Temperature Class and ambient temperature (\*\*) combinations

### Variation 5.2

To allow the use of component certified elbows from the types 492, 493, 494 and 495 size M50 with the component certification as indicated below to the size Ex50 PowerEx In-Line Plug and Socket Connector.

M50 Component Elbow Type 492 and 493	IECEx SIR 11.0152U
M50 Component Elbow Type 494 and 495	IECEx BAS 14.0002U

ExTR: GB/BAS/ExTR15.0115/00	File Reference: 15/0183
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