



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

Certificate No.:	IECEx BAS 06.0018X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 15	Issue 14 (2018-11-21)
Date of Issue:	2021-12-01		Issue 13 (2018-05-30)
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		Issue 12 (2017-10-18)
Equipment:	The 'Instrumex' Range Of In-line and Bulkhead Plug & Socket Connectors		Issue 11 (2017-07-06)
Optional accessory:			Issue 10 (2016-02-01)
Type of Protection:	Flameproof, Increased Safety and Dust Protected		Issue 9 (2015-01-27)
Marking:	Ex db e IIC Gb Ex tb III C Db T85°C (Tamb = -40°C to +60°C) IP66/67		Issue 8 (2012-04-23)
			Issue 7 (2012-03-27)
			Issue 6 (2011-03-10)
			Issue 5 (2009-06-02)

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:

2/12/2021

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 www.iecex.com or use of this QR Code.



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 06.0018X**

Page 2 of 4

Date of issue: 2021-12-01

Issue No: 15

Manufacturer: **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

Additional manufacturing locations: **Hubbell Ltd T/A GAI-TRONICS (A Division of Hubbell Limited) and Metron Eledyne**
Brunel Drive
Stretton Business Park
Burton-Upon-Trent
Staffordshire
DE13 0BZ
United Kingdom

Hubbell Ltd T/A Chalmit Lighting, Victor Products and Transtar
388 Hilington Road, Glasgow, G52 4BL
United Kingdom

Killark, A Division of Hubbell Inc. (Delaware)
2112 Fenton Logistics Park Blvd.
Fenton, MO 63026 USA
United States of America

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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-7:2006-07](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

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/ExTR06.0017/00](#)
[GB/BAS/ExTR07.0139/00](#)
[GB/BAS/ExTR11.0054/00](#)
[GB/BAS/ExTR14.0307/00](#)

[GB/BAS/ExTR06.0124/00](#)
[GB/BAS/ExTR08.0094/00](#)
[GB/BAS/ExTR11.0273/00](#)
[GB/BAS/ExTR16.0034/00](#)

[GB/BAS/ExTR07.0015/00](#)
[GB/BAS/ExTR09.0106/00](#)
[GB/BAS/ExTR12.0094/00](#)
[GB/BAS/ExTR18.0301/00](#)

Quality Assessment Reports:

[GB/BAS/QAR06.0027/09](#)
[GB/SIR/QAR16.0021/05](#)

[GB/BAS/QAR06.0039/10](#)

[GB/BAS/QAR06.0061/09](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 06.0018X**

Page 3 of 4

Date of issue: 2021-12-01

Issue No: 15

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The "InstrumEx" Range of Connectors may be manufactured in brass, steel, stainless steel or bronze, and each comprise a cylindrical body which may take the form of a Type CP In-line Connector, a Type CR In-line Connector or a Type BR Bulkhead connector.

The male and female parts are joined with a threaded locking ring which is fixed to the male half. When separated the connection chambers are closed with dust caps which are secured in the same manner.

The cylindrical body houses a 4, 8 or 9 way electrical plug and socket arrangement which may be keyed into a range of orientations. The plug and socket assemblies are supported from the rear by the cable entry arrangements.

The 9 way connectors are rated up to 250V a.c. 10A or 60V d.c. 2.5A.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Following disconnection, the energised power supply must only be connected to the connector part incorporating the socket connections.
2. The connector part containing the pin connections must not be connected to equipment containing a power supply or energy storage devices likely to cause the plug to remain energised after disconnection.
3. The protective caps are to be fitted immediately following separation.
4. The bulkhead connector is not to be fitted to enclosures/bulkheads where the interface temperature may exceed 80 °C. In addition the integral cables shall be mechanically protected.
5. When used in dust environments the bulkhead mounting thread, is to be sealed in accordance with the installation code of practice to ensure that an ingress protection level of IP6X is maintained.
6. Flameproof joints are not intended to be repaired



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 06.0018X**

Page 4 of 4

Date of issue: 2021-12-01

Issue No: 15

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 15.1

To introduce alternative manufacturing locations only.

File Reference: **21/0772**