

1 **UK-TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1**

3 UK-Type Examination Certificate Number: **BAS21UKEX0061X**

4 Product: **The 'Instrumex' Range of In-line and Bulkhead Plug & Socket Connectors**

5 Manufacturer: **Hawke International**

6 Address: **A Division of Hubbell Limited, A Member of the Hubbell Group of Companies,
Oxford Street West, Ashton-under-Lyne, Lancashire, OL7 0NA**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No. **21(C)0033**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012: +A11: 2013 EN 60079-1: 2014 EN IEC 60079-7: 2015: +A1: 2018 EN 60079-31: 2014

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

 **II 2G Ex db eb IIC T6 Gb**

 **II 2D Ex tb IIIC T80°C Db**

Tamb -40°C to +60°C

SGS Baseefa Customer Reference No. **0500**

Project File No. **21/0033**

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R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number BAS21UKEX0061X**

15 **Description of Product**

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

16 **Report Number**

21(C)0033

17 **Specific Conditions of Use**

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.

18 **Essential Health and Safety Requirements**

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.2.7	LVD type requirements
1.4.1	External effects
1.4.2	Aggressive substances

19 **Drawings and Documents**

Number	Sheet	Issue	Date	Description
6369	1 of 1	H	08/06/21	Instrumex Label

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IECEX BAS 06.0018X