



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

Certificate No.: IECEx BAS 07.0096X

Issue No: 4

Certificate history:

[Issue No. 4 \(2019-05-29\)](#)

[Issue No. 3 \(2016-08-17\)](#)

[Issue No. 2 \(2013-01-22\)](#)

[Issue No. 1 \(2010-12-06\)](#)

[Issue No. 0 \(2008-03-05\)](#)

Status: **Current**

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Date of Issue: **2019-05-29**

Applicant: **Kaustubha Udyog**
7, Parichaya Society
1000/6D
Navi Peth
Pune 411 030
India

Equipment: **FC Series Flameproof Switch**

Optional accessory:

Type of Protection: **Flameproof 'db'; Dust protection by enclosure 'tb'**

Marking:

**Ex db IIC T6 Gb,
Ex tb IIIC T85°C Db (-20°C ≤ Ta ≤ +60°C) IP66**

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

M POWNEY
Certification
Manager

Date:

M Powney
29/5/19

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: **Kaustubha Udyog**
7, Parichaya Society
1000/6D
Navi Peth
Pune 411 030
India

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:

IEC 60079-0 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 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/ExTR07.0175/00
GB/BAS/ExTR16.0207/00

GB/BAS/ExTR10.0267/00
GB/BAS/ExTR19.0021/00

GB/BAS/ExTR12.0314/00

Quality Assessment Report:

GB/BAS/QAR08.0006/07



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Flameproof Pressure Switch comprises a cylindrical enclosure with a 'T' shaped base and a circular threaded cover, both manufactured aluminium alloy, cast iron or stainless steel. The cover is locked with a stainless steel grub screw.

The enclosure contains terminals and up to two microswitches rated up to 240Va.c., 15A.

The microswitches are operated by a pushrod from the pressure sensing capsule attached to the enclosure base on a vented column. The pushrod enters the enclosure via a cylindrical bushing that also provides an adjustment of the sensitivity by varying the pressure on a spring in the vented column.

The various sensing capsules are separated from the vented column and flameproof enclosure by a pressure tight membrane.

The enclosure base includes internal and external earth connections.

Two cable entries threaded M20, ½"NPT or ¾"NPT are provided for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component).

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The flamepaths of the push rod and bushing arrangements are specified with maximum gaps smaller than those shown in the standard. The manufacturer should be consulted for values if required for maintenance etc.

2. When used in an explosive dust atmosphere the cable entry devices shall maintain the ingress protection of the enclosure.



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

Variation 4.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of IEC 60079-0: 2017 in respect of the differences from the standard to which this certificate was previously issued.

ExTR: GB/BAS/ExTR19.0021/00

File Reference: 18/0520