



# 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 20.0031X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2020-08-12  
Applicant: **Eaton MEDC Limited**  
Unit B  
Sutton Parkway  
Oddicroft Lane  
Sutton-in-Ashfield  
NG17 5FB  
United Kingdom  
Equipment: **XFG1 CCTV Camera**  
Optional accessory:  
Type of Protection: **Flame proof, dust ignition protection by enclosure**  
Marking: **Ex db IIB T4 Gb**  
**Ex tb IIIC T135°C Db IP66/67 (Tamb -55°C to +85°C)**  
**T5/T100°C (Tamb -55°C to +55°C)**  
**T4/T85 °C (Tamb -55°C to +40°C)**

Approved for issue on behalf of the IECEx  
Certification Body:

**Mr R S Sinclair**

Position:

**Technical Manager**

Signature:  
(for printed version)

Date:

12/8/2021

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](http://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 20.0031X**

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Date of issue: 2020-08-12

Issue No: 0

Manufacturer: **Eaton MEDC Limited**  
Unit B  
Sutton Parkway  
Oddicraft Lane  
Sutton-in-Ashfield  
NG17 5FB  
**United Kingdom**

Additional  
manufacturing  
locations:

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 60079-1:2014-06** 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

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 Report:

[GB/BAS/ExTR20.0078/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0023/09](#)



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Certificate No.: **IECEX BAS 20.0031X**

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Date of issue: 2020-08-12

Issue No: 0

## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The type XFG 1 Fixed Camera comprises a cylindrical enclosure and cover manufactured from glass reinforced polyester. The threaded cover is fitted with optional flat glass elements and can be provided with an optional guard. The enclosure is provided with up to two threaded cable entries. The enclosure is mounted by means of a clamp comprising a base mounting and a sunshield cover. The enclosure houses a camera module and various ancillary printed circuit boards depending on configuration. The camera is rated up to 24V dc/ac or 230Vac. Units may also be connected with Power Over Ethernet (POE) 12V, 24V, 48V and 58V dc.

The temperature classification and ambient temperature range are indicated in the table below.

External Ambient (°C)	T Class
+85	T4
+55	T5
+40	T6

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

1. No modification must be made to the flame paths of the unit without consultation to the drawings listed on the schedule.
2. Cable Temperature rise at the branching point may be 30K, suitably rated cable must be used.
3. When fitted, the optical fibre output from the camera must always be terminated within a suitably certified enclosure or safe area.
4. Only armoured cable or conduit is to be utilized when fitted with a fibre optic output in order to protect the fibre optic cable.
5. Precautions must be taken to avoid dust from forming layers on the equipment.
6. Painting and surface finishes, other than those applied by the manufacturer, are not permitted.
7. Cable entry holes are provided as specified on the certified drawings 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 Ex Equipment and not an Ex Component. When used in an explosive dust atmosphere the cable entry devices shall maintain the ingress protection of the enclosure.
8. When an adapter is used with an increased safety, dust protected, or a flameproof enclosure for which an IP rating is specified, the interface between the enclosure and the adapter and that between the adapter and the cable entry device shall be suitably sealed in accordance with IEC 60079-14 so as to maintain the ingress protection rating of the enclosure
9. To prevent the build-up of Electrostatic charge the unit should only be cleaned with a damp cloth.
10. The Sunshield is an integral part of the unit containing the certification label and must not be removed.