

1 EU - TYPE EXAMINATION CERTIFICATE

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

- 3 EU - Type Examination Certificate Number: **SGS20ATEX0073X**
- 4 Product: **XFG1 Fixed Camera**
- 5 Manufacturer: **Eaton MEDC Limited**
- 6 Address: **Unit B, Sutton Parkway, Oddicroft Lane, Sutton-in-Ashfield, NG17 5FB**
- 7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.
- The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR20.0078/00**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0: 2018 EN 60079-1: 2014 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 EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive 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 2GD Ex db IIB T4 Gb

**Ex tb T135°C Db IP66/67 (Tamb -55°C to +85°C)
T5/T100°C (Tamb -55°C to +55°C)
T6/T85 °C (Tamb -55°C to +40°C)**

SGS Fimko Oy Customer Reference No. **0676**

Project File No. **19/0957**

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SGS Fimko Oy

Takomotie 8
FI-00380 Helsinki, Finland
Telephone +358 (0)9 696 361
e-mail sgs.fimko@sgs.com
web site www.sgs.fi

Business ID 0978538-5 Member of the SGS Group (SGA SA)



Tuomas Hänninen
SGS Fimko Oy

13 **Schedule**

14 **Certificate Number SGS20ATEX0073X**

15 **Description of Product**

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

16 **Report Number**

SGS Baseefa Certification Report GB/BAS/ExTR20.0078/00

17 **Specific Conditions of Use**

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.

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
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
344-101	1-2	A	07/06/2021	Certification GA XFG Camera
344-102	1	A	22/06/2021	Certified label drawings XFG1 Fixed Camera

The drawings are common to IECEx BAS 20.0031X