



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 CML 23.0099X	Page 1 of 3	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2023-07-28		
Applicant:	GDS Technologies Limited Fusion Point Ash Lane Garforth Leeds LS25 2GA United Kingdom		
Equipment:	Flame Arrester FA-2		
Optional accessory:			
Type of Protection:	Ex d		
Marking:	Ex db IIC T4 Gb		

Approved for issue on behalf of the IECEx
Certification Body:

Ben Trafford

Position:

Certification Officer

Signature:
(for printed version)

Date:
(for printed version)

2023-07-28

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:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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Manufacturer: **GDS Technologies Limited**
Fusion Point
Ash Lane
Garforth
Leeds LS25 2GA
United Kingdom

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](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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/CML/ExTR23.0135/00](#)

Quality Assessment Report:

[GB/SIR/QAR06.0040/10](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Designed specifically for low flow sampling of potentially hazardous gases up to group IIC. The In-line Flame Arrestor consists of a detonation – pressure proof housing with connections at either end and an arrestor barrier through which the vapour and/or gas mixture can flow, however a flame transmission is blocked.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- i. Do not open any FA-2 couplings when a hazardous gas atmosphere is present.
- ii. No modifications or changes to the equipment are allowed. Do not dismantle Flame Arrestor FA-2 or modify any flameproof joints.

Annex:

[Certificate Annex IECEx CML 23.0099X Issue 0.pdf](#)

Annexe to: IECEx CML 23.0099X Issue 0

Applicant: GDS Technologies Ltd

Apparatus: Flame Arrester FA-2

Conditions of Manufacture

- i. Where the product incorporates certified parts or safety critical components, the manufacturer of the product defined on this certificate shall continually monitor these parts/components for any modifications introduced by the manufacturer(s) of these constituent parts. If the manufacturer of any constituent part introduces any changes which affect the compliance of the certified product that is the subject of this certificate, the manufacturer is required to have this certificate updated.
- ii. The Flame Arrester shall be installed with a blast plate, either side of the sintered disk. The blast plate shall be in accordance with the manufacturer's drawings.
- iii. The Manufacturer shall provide copies of certificates and instructions for the Flame Arrester FA-2

