



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 DNV 24.0013X	Page 1 of 3	<u>Certificate history:</u>
Status:	Current	Issue No: 0	
Date of Issue:	2024-09-10		
Applicant:	Autronica Fire and Security AS Bromstadvegen 59 7047 Trondheim Norway		
Equipment:	Flame Detector		
Optional accessory:			
Type of Protection:	Intrinsically safe - ic		
Marking:	Ex ic IIB T4 Gc Tamb -40°C to +70°C		

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





IECEx Certificate of Conformity

Certificate No.: **IECEx DNV 24.0013X**

Page 2 of 3

Date of issue: 2024-09-10

Issue No: 0

Manufacturer: **Autronica Fire and Security AS**
Bromstadvegen 59
7047 Trondheim
Norway

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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
Edition:6.0

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:

[NO/DNV/ExTR24.0017/00](#)

Quality Assessment Report:

[NO/NEM/QAR10.0005/10](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx DNV 24.0013X**

Page 3 of 3

Date of issue: 2024-09-10

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Type Designation: **BG-301-EXIC**

AutoFlame **BG-301-EXIC** is an interactive triple IR Flame detector.

The product consists of two **PCBA's** connected together.

One **PCBA** includes terminals for external connections.

The detector shall be supplied by the Autronica's loop driver module, for mounting in the Autrosafe Fire

Alarm Control panel and connected to the power supply **BSS-310A**,

IECEx NEM 11.0017X. Maximum number of detectors/loop units: 80

The ratio L/R for the loop cable shall not exceed the stated value L_o/R_o : 30 μ H/ Ω -

See control drawing, Doc-1010936 for connection instructions.

SPECIFIC CONDITIONS OF USE: YES as shown below:

POTENTIAL ELECTROSTATIC CHARGING HAZARD