



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 23.0068X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2024-04-22
Applicant: **Autronica Fire and Security AS**
Bromstadvegen 59
7047 Trondheim
Norway
Equipment: **Flame Detector**
Optional accessory:
Type of Protection: **Intrinsically safe**
Marking: Ex ia IIC T4 Ga -40°C ≤ Ta ≤ +70°C

Approved for issue on behalf of the IECEx
Certification Body:

Ståle Sandstad

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 23.0068X**

Page 2 of 3

Date of issue: 2024-04-22

Issue No: 0

Manufacturer: **Autronica Fire and Security AS**
Bromstadveien 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/ExTR23.0052/00](#)

Quality Assessment Report:

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



IECEX Certificate of Conformity

Certificate No.: **IECEX DNV 23.0068X**

Page 3 of 3

Date of issue: 2024-04-22

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Type Designation: BG-301-EXIA

AutoFlame BG-301-EXIA 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 interface and shunt protection unit, BZ-500,

IECEX NEM 11.0008. Maximum number of detectors/loop units: 12

See control drawing, Doc-1010935 for connection instructions.

Intrinsically safety parameters

Ui: 15,75V, Ii: 63,5mA, Pi: 0,44W, Li: Neg. Ci: 1,05nF

Cable limitation: maximum total capacitance in the cable, Ccable: 250nF

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. POTENTIAL ELECTROSTATIC CHARGING HAZARD
2. AVOID AN IGNITION HAZARD DUE TO IMPACT OR FRICTION