



# 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 DNV 21.0082X**

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Certificate history:

Status: **Current**

Issue No: 1

[Issue 0 \(2021-11-11\)](#)

Date of Issue: 2023-05-31

Applicant: **Autronica Fire & Security AS**  
Bromstadvegen 59  
Trondheim 7047  
**Norway**

Equipment: **Fire detector**

Optional accessory:

Type of Protection: **Intrinsic safety**

Marking: **Ex ia IIC T5 Ga**

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DNV Product Assurance AS**  
Veritasveien 1  
1363 Høvik  
**Norway**





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Manufacturer: **Autronica Fire & Security AS**  
Bromstadvegen 59  
Trondheim 7047  
**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/ExTR21.0071/01**

Quality Assessment Report:

**NO/NEM/QAR10.0005/09**



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

All in one fire detector. The product is an assembly of two parts, socket and detector.  
The socket board is mounted in the socket with terminals for external connections.  
The detector board is mounted in the detector and have connections to the socket board.

The detectors shall be supplied by the Autronica interface and shunt protection unit, BZ-500, IECEx NEM 11.0008.

### Type designation:

AutoGuard Multicriteria Protector V-530-EXIA

AutoGuard Multicriteria Protector V-530-EXIA/HS (high sense variant)\*

AutoGuard Multicriteria Protector V-120 (base)

V-120/RETRO (adapter for base)\*\*

### AutoGuard Retro EXIA model names:

V-530-EXIA/BD500, V-530-EXIA/BH500, V-530-EXIA/HS/BH500, V-530-EXIA/BH520

\* Only software changes between V-530-EXIA and V-530-EXIA/HS.

\*\* Only layout changes between V-120 and V-120/RETRO.

### Intrinsic safety parameters:

Ui: 15,75V

Ii: 63,5mA

Pi: 0,44W

Ci: 4,4nF

Li: Negligible

Number of detectors that can be connected in parallel: 32

Maximum capacitance in cable: 302nF

### Ambient temperature:

-30°C to +70°C

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

WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Updated to include pcb BWA-1101 Assembled PCB 128kB (base).

New alternative plastic material for use in enclosures.