

[1]

EU-TYPE EXAMINATION CERTIFICATE

- [2] Product Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- [3] EU-Type Examination Certificate Number: **DNV 21 ATEX 14779X** **Issue 0**
- [4] Product: **Fire detector**
- [5] Manufacturer: **Autronica Fire and Security AS**
- [6] Address: **Bromstadvegen 59
7047 Trondheim
Norway**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] DNV Product Assurance AS, notified body number 2460, in accordance with Article 17 and Article 21 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 reports listed in item 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: **EN IEC 60079-0:2018 and EN 60079-11:2012**

Where additional criteria beyond those given here have been used, they are listed at item 18 in 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 in accordance to the Directive 2014/34/EU. 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 1 G Ex ia IIC T5 Ga -30°C ≤ Ta ≤ +70°C**



Date of issue:
2021-11-11



Asle Kaastad
For DNV Product Assurance AS
The Certificate has been digitally signed.
See www.dnv.com/digitalsignatures for info

[13] **Schedule**

[14] **EU-Type Examination Certificate No:** DNV 21 ATEX 14779X Issue 0

[15] **Description of Product**

AutoGuard multicriteria protector (V530-EXIA or V-530-EXIA/HS mounted to V120-EXIA). The product is an assembly of two parts, base and detector.

The base includes a PCBA with terminals for external connections.

The detector board is mounted in the detector and have connections to the base PCBA.

The bases may alternatively be mounted on the box BWP-100 (not a part of the certificate).

The detectors shall be supplied by the Autronica interface and shunt protection unit, BZ-500, Nemko 03ATEX230.

Type designation

AutoGuard Multicriteria Protector V-530-EXIA

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

AutoGuard Multicriteria Protector V-120-EXIA (base)

Intrinsic Safety Data

Ui: 15,75V

Ii: 63,5mA

Pi: 0,44W

Ci: 4,4nF

Li: Negligible

Number of detectors that can be connected in parallel: 40

Maximum capacitance in cable: 302nF

Ambient temperature:

-30°C to +70°C

Routine tests

None

[16] **Report No.:** D0003939
Project no: PRJC-599604-2019-PRC-NOR

[17] **Specific Conditions of Use**

WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS

[18] **Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9.

[19] Drawings and documents

Number	Title	Rev.	Date
Doc-1003152	Circuit Diagram Socket Board	6	2021-10-25
Doc-1003067	Circuit Diagram Detector Board	6	2021-10-25
Doc-1003195	PCB Specification Detector Board	11	2021-06-12
Doc-1003194	PCB Layout Detector Board	11	2021-06-12
Doc-1003185	Assembly Drawing Top and Bottom Side Detector Board	11	2021-06-11
Doc-1003193	PCB Specification Socket Board	4	2018-12-03
Doc-1003192	PCB Layout Socket Board	4	2018-12-03
Doc-1003181	Assembly Drawing Top and Bottom Side Socket Board	4	2018-12-03
Doc-1003794	Type Label laser engraved AIO Detector, rear side	2	2021-10-29
Doc-1003788	Type Label - Ex information AIO detector V-530-EXIA Laser engraved, front	2	2021-10-29
Doc-1003795	Type Label - Ex information Base AIO detector V-120 Laser engraved	2	2021-10-29
Doc-1003792	BHA-1000 series Coating drawing	2	2021-10-29
Doc-1003793	BWA-1000 series Coating drawing	2	2021-10-29
Doc-1003823	Detector explode view	1	2019-05-08
Doc-1003824	Socket exploded view	1	2019-05-08
116-100000919	Bill of Material Detector Board	2.4	2021-06-16
116-100000429	Bill of Material Socket Board	1.6	2019-10-18
Doc-1003796	Control Drawing / User manual Technical specifications and instructions	4	2021-11-02

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2021-11-11	D0003939

END OF CERTIFICATE