

[1]

TYPE EXAMINATION CERTIFICATE

[2] Product Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

[3] Type Examination Certificate Number: **DNV 22 ATEX 13772X** **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 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 Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

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 TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured

[12] The marking of the product shall include the following:

 **II 3 G Ex ic IIC T5 Ga -30°C ≤ Ta ≤ +70°C**

Date of issue:
2022-05-16

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



[13] **Schedule**

[14] **Type Examination Certificate No:** DNV 22 ATEX 13772X Issue 0

[15] **Description of Product**

AutoGuard multicriteria protector (V-530-EXIC or V-530-EXIC/HS mounted to V-120). 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 detector loop driver module, BSD-310/N, which is intended to be mounted in the Autrosafe Fire Alarm Control panel and connected to the power supply BSS-310A (in non-hazardous area). The loop driver is certified in Nemko 03ATEX217X.

Type designation

AutoGuard Multicriteria Protector V-530-EXIC

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

AutoGuard Multicriteria Protector V-120 (base)

Intrinsic Safety Data

Only to be connected to BSD-310/N and BSS-310A certified in Nemko 03ATEX217X.

Number of detectors that can be connected in parallell: 127

Maximum capacitance in cable: 1,9 μ F.

Ambient temperature:

-30°C to +70°C

Routine tests

None

[16] **Report No.:** PRJN-330268-2021-PA-NOR

[17] **Specific Conditions of Use**

1. WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS
2. The detector shall only be supplied by power supply BSS-310A and loop driver BSD-310/N, certified in Nemko 03ATEX217X, according to control drawing Doc-1005104.

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

Met by compliance with the requirements mentioned in item 9.

[19] Drawings and documents

Number	Title	Rev.	Date
V-530-EXIC (HS)			
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	2022-06-12
Doc-1003185	Assembly Drawing Top and Bottom Side Detector Board	11	2021-06-11
Doc-1005106	TYPE LABEL laser engraved AutoGuard protector, rear side	1	2022-02-07
Doc-1005105	TYPE LABEL - Ex information AutoGuard protector V-530-EXIC Laser engraved, front	2	2022-05-03
Doc-1003792	BHA-1000 series Coating drawing	2	2021-10-29
Doc-1003823	Detector exploded view	2	2022-01-17
116-100000919	Bill of Material Detector Board	2.4	2021-06-16
116-100001930	Bill of Material Detector Board (alternative to 116-100000919)	1.4	2022-01-12
Doc-1005104	Control Drawing / User manual Technical specifications and instructions	1	2022-05-03
V-120			
Doc-1003152	Circuit Diagram Socket Board	6	2021-10-25
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 Side Socket Board	4	2018-12-03
Doc-1003795	TYPE LABEL - Ex information AutoGuard protector base V-120 Laser engraved	4	2022-05-03
Doc-1003793	BWA-1000 series Coating Drawing	2	2021-10-29
Doc-1003824	Socket exploded view	2	2022-01-17
116-100000429	Bill of Material Socket Board	1.6	2021-05-12
116-100001931	Bill of Material Socket Board (alternative to 116-100000429)	1.6	2022-01-12

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2022-05-16	PRJN-330268-2021-PA-NOR

END OF CERTIFICATE