

CERTIFICATE

Autronica Fire and Security AS
Bromstadvegen 59
NO-7047 Trondheim
Norway

Certifikat nr.
Certificate no.
232.269

har på baggrund af vurderede systemegenskaber baseret på systemprøvningsrapport(er) for overensstemmelse mellem systembeskrivelse og gældende specifikationer i systemstandarder og/eller andre normative dokumenter opnået dette overensstemmelsescertifikat for systemet
has achieved this certificate of conformity based on evaluation of system approval test report(s) for conformity between system standards and(or) other normative documents for the system

AutroPrime 2 **Automatisk Branddetekterings- og Alarm-system**
Automatic Fire Detection and Alarm System

til anvendelse i automatiske brandalarmanlæg.
to be used in automatic fire detection and alarm systems.

Certifikatet tilkendegiver overensstemmelse med kravene i følgende standarder og andre normative dokumenter:
The certificate signifies compliance with the requirements in the following standards and other normative documents:

EN 54-13:2017+A1:2019 Fire detection and fire alarm systems – Part 13: Compatibility assessment of system components.

DBI Guideline 003 Fire safety systems

Certifikatet er kun gældende så længe systemet er i overensstemmelse med ovennævnte samt kravene i certificeringsordningen.
The certificate is only valid as long as the system is in conformity with the above mentioned and the requirements of the certification system.

Udstedt/Issued: 2023-03-02
Udløber/Expires: 2026-03-02
Erstatter tidligere udstedt certifikat 2021-07-15
Replace previous issued certificate 2021-07-15



Merete Poulsen



Steen Nilsson

Bilag/Annex: 1

OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
Control and indicating equipment with Power supply equipment	BS-200 Fire Alarm Control Panel	2531-CPR-CSP11307
Control and indicating equipment	BS-210 Operator Panel	2531-CPR-CSP11307
Control and indicating equipment	BS-211 Reapeter Panel	2531-CPR-CSP11307
Control and indicating equipment	BV-210 Information Panel	2531-CPR-CSP11307
Control and indicating equipment	BU-210 Fire Brigade Panel	2531-CPR-CSP11307
Control and indicating equipment	BU-211 Alarm Storing Panel	2531-CPR-CSP11307
Control and indicating equipment	BUR-200 LED Mimic Driver	2531-CPR-CSP11307
Power Supply Equipment	BPS-410	2531-CPR-CSP11300
Power Supply Equipment	AU2402	2821-CPR-0155
Power Supply Equipment	AU2405	2821-CPR-0156
Power Supply Equipment	AU2410	2821-CPR-0157
Asserories to the above	BUP-200 Printer unit.	N/A
Manual Call Points with Short-Circuit Isolator	BF-300-V2	2531-CPR-CSP11296
Manual Call Points with Short-Circuit Isolator	BF-510WP-H	2531-CPR-CSP11296
Heat detectors and smoke detector - Point detector using scattered light, transmitted light or ionization with Short-circuit isolator Complete set consisting of BHH-220 detector head and the base BWA-100	BH-220	2531-CPR-CSP11302
Heat detector and smoke detector - Point detector using scattered light, transmitted light or ionization with Short-circuit isolator	BHH-220	2531-CPR-CSP11302
Heat detector and smoke detector - Point detector using scattered light, transmitted light or ionization with Short-circuit isolator Complete set consisting of BHH-320 detector head and the base BWA-100	BH-320	2531-CPR-CSP11302

Type Type	Produkt Product	Certifikat Certificate
Heat detector and smoke detector - Point detector using scattered light, transmitted light or ionization with Short-circuit isolator	BHH-320	2531-CPR-CSP11302
Heat detector and smoke detector - Point detector using scattered light, transmitted light or ionization with Short-circuit isolator	BHH-520	2531-CPR-CSP11302
Smoke Point detector using scattered light, transmitted light or ionization with Short-circuit isolator Complete set consisting of BHH-200 detector head and the base BWA-100	BH-200	2531-CPR-CSP11301
Smoke Point detector using scattered light, transmitted light or ionization with Short-circuit isolator	BHH-200	2531-CPR-CSP11301
Smoke Point detector using scattered light, transmitted light or ionization with Short-circuit isolator Complete set consisting of BHH-300 detector head and the base BWA-100	BH-300	2531-CPR-CSP11301
Smoke Point detector using scattered light, transmitted light or ionization with Short-circuit isolator	BHH-300	2531-CPR-CSP11301
Smoke Point detector using scattered light, transmitted light or ionization with Short-circuit isolator Complete set consisting of BHH-500 detector head and the base BWA-100	BH-500	2531-CPR-CSP11301
Smoke Point detector using scattered light, transmitted light or ionization with Short-circuit isolator	BHH-500	2531-CPR-CSP11301
Heat detector - Point detector with Short-circuit isolator Complete set consisting of BDH-200 detector head and the base BWA-100	BD-200	2531-CPR-CSP11303
Heat detector - Point detector with Short-circuit isolator	BDH-200	2531-CPR-CSP11303
Heat detector - Point detector with Short-circuit isolator Complete set consisting of BDH-200M detector head and the base BWA-100	BD-200M	2531-CPR-CSP11303
Heat detector - Point detector with Short-circuit isolator Complete set consisting of BDH-300 detector head and the base BWA-100	BD-300	2531-CPR-CSP11303
Heat detector - Point detector with Short-circuit isolator	BDH-300	2531-CPR-CSP11303
Heat detector - Point detector with Short-circuit isolator Complete set consisting of BDH-500 detector head and the base BWA-100	BD-500	2531-CPR-CSP11303

Type Type	Produkt Product	Certifikat Certificate
Heat detector - Point detector with Short-circuit isolator	BDH-500	2531-CPR-CSP11303
Heat detector - Point detector with Short-circuit isolator	BD-501	2531-CPR-CSP11303
Flame detector - Point detector	BG-21	2531-CPR-CSP11267
Flame detector - Point detector with short-circuit isolator	BG-201	2531-CPR-CSP11268
Input/output device with Short-circuit isolator	BNB-331	2531-CPR-CSP11311
Input/output device with Short-circuit isolator	BN-303	2531-CPR-CSP11297
Input/output device with Short-circuit isolator	BN-304	2531-CPR-CSP11297
Input/output device with Short-circuit isolator	BN-305	2531-CPR-CSP11311
Input/output device with Short-circuit isolator	BN-307	2531-CPR-CSP11311
Sounder with Short-circuit isolator	BBR-130	2531-CPR-CSP11321
Sounder with Short-circuit isolator and visual alarm device	BBR-230	2531-CPR-CSP11319
Sounder with Short-circuit isolator and visual alarm device	BBR-230/IP	2531-CPR-CSP11320
Sounder with Short-circuit isolator	BBQ-130	2531-CPR-CSP11323
Sounder with Short-circuit isolator and visual alarm device	BBQ-230/IP	2531-CPR-CSP11316
Sounder with Short-circuit isolator and visual alarm device	BBQ-230	2531-CPR-CSP11316
Short-circuit isolator	BBL-100/IP	2531-CPR-CSP11318
Short-circuit isolator	BBL-100	2531-CPR-CSP11317
AutroGuard Base with short-circuit isolator, standard version	V-100/AP	2531-CPR-CSP11293
AutroGuard Base with short-circuit isolator, Marine version	V-100/APM	2531-CPR-CSP11293
Heat detector and smoke detector - Point detector using scattered light, transmitted light or ionization with visual alarm device	V-430	2531-CPR-CSP11291
Heat detector and smoke detector - Point detector using scattered light, transmitted light or ionization with sounder	V-430-S	2531-CPR-CSP11291

Type Type	Produkt Product	Certifikat Certificate
Heat detector and smoke detector - Point detector using scattered light, transmitted light or ionization with visual alarm device (white beacon)	V-430-VADW	2531-CPR-CSP11291
Heat detector and smoke detector - Point detector using scattered light, transmitted light or ionization with visual alarm device (red beacon)	V-430-VADR	2531-CPR-CSP11291
Heat detector and smoke detector - Point detector using scattered light, transmitted light or ionization with sounder and visual alarm device (white beacon)	V-430-S-VADW	2531-CPR-CSP11291
Heat detector and smoke detector - Point detector using scattered light, transmitted light or ionization with sounder and visual alarm device (red beacon)	V-430-S-VADR	2531-CPR-CSP11291
X units Zone 2 EX komponenter Zone 2		
Heat detector - Point detector with Short-circuit isolator Complete set consisting of BDH-500/N detector head and the base BWA-100	BD-500/N	2531-CPR-CSP11303
Heat detector - Point detector with Short-circuit isolator	BD-501/N	2531-CPR-CSP11303
Smoke Point detector using scattered light, transmitted light or ionization with Short-circuit isolator Complete set consisting of BHH-500/N detector head and the base BWA-100	BH-500/N	2531-CPR-CSP11301
Heat detector and smoke detector - Point detector using scattered light, transmitted light or ionization with Short-circuit isolator Complete set consisting of BDH-520/N detector head and the base BWA-100	BH-520/N	2531-CPR-CSP11302
X units Zone 0, Zone 1 and Zone 2 EX komponenter Zone 0, Zone 1 og Zone 2		
Input/output device: Barrier unit	BZ-500	2531-CPR-CSP11310
Heat detector - Point detectors with Short-circuit isolator Complete set consisting of BDH-500/EX detector head and the base BWA-100	BD-500/EX	2531-CPR-CSP11303
Heat detector - Point detector with Short-circuit isolator	BD-501/EX	2531-CPR-CSP11303
Heat detector - Point detector with Short-circuit isolator	BDH-500/EX	2531-CPR-CSP11303
Manual Call Point with Short-circuit isolator	BF-500V2/EX	2531-CPR-CSP11296
Smoke Point detector using scattered light, transmitted light or ionization with Short-circuit isolator	BHH-500/EX	2531-CPR-CSP11301

Type Type	Produkt Product	Certifikat Certificate
Heat detector and smoke detector - Point detector using scattered light, transmitted light or ionization with Short-circuit isolator Complete set consisting of BHH-520/EX detector head and the base BWA-100	BH-520/EX	2531-CPR-CSP11302
Accessory to Adressable and conventional smoke, heat and multi detectors: Remote Indicator	BU-47	Type 2 componet must be connected to Type 1 heat detector, smoke detector or multi detector
Marine komponenter (Ikke godkendt under byggevareforordningen og DBI Retningslinje 003, men inkluderet i EN 54-13 testrapport) Marine components (Not approved under the construction product regulation and DBI Guideline 003, but included in EN 54-13 test report)		
AutroGuard® Multicriteria protector	V-430/M	MEDB0000646 Rev. 01, MEDB00006DJ Rev. 01 and MEDD0000141 Rev. 02
AutroGuard® Multicriteria protector with sounder	V-430-S/M	MEDB0000646 Rev. 01, MEDB00006DJ Rev. 01 and MEDD0000141 Rev. 02
AutroGuard® Multicriteria protector with white VAD (visual alarm device)	V-430-VADW/M	MEDB0000646 Rev. 01, MEDB00006DJ Rev. 01 and MEDD0000141 Rev. 02
AutroGuard® Multicriteria protector with red VAD	V-430-VADR/M	MEDB0000646 Rev. 01, MEDB00006DJ Rev. 01 and MEDD0000141 Rev. 02
AutroGuard® Multicriteria protector with sounder and white VAD	V-430-S-VADW/M	MEDB0000646 Rev. 01, MEDB00006DJ Rev. 01 and MEDD0000141 Rev. 02
AutroGuard® Multicriteria protector with sounder and red VAD	V-430-S-VADR/M	MEDB0000646 Rev. 01, MEDB00006DJ Rev. 01 and MEDD0000141 Rev. 02
Inkluderet i EN 54-13 testrapport, men ikke godkendt under byggevareforordningen og DBI Retningslinje 003 Included in EN 54-13 test report but not approved under the construction product regulation and DBI Guideline 003		
High sensitivity smoke detector with short-circuit isolator functionality	BHH-500/S	Not CPR certified
DIN-rail Input/output devices with Short-circuit isolators	BN-305-2	Not CPR certified

Bilag/Annex: 2

PRØVNINGSdokUMENTATION TEST DOKUMENTATION

Akkrediteret laboratorium <i>Accredited laboratory</i>	Rapport nr <i>Report no.</i>	Dato <i>Date</i>
DELTA	DANAK-1910238	2008-07-24
DELTA	DANAK-1912598	2012-11-14
Nemko	FSC541231002.00	2021-04-21
Nemko	FSC541321002.01	2022-11-29

Bilag/Annex: 3

TEKNISK DOKUMENTATION TECHNICAL DOCUMENTATION

Titel <i>Name</i>	Reference <i>Refence</i>	Dato <i>Date</i>
Installation Handbook	Doc-1004359-2	2021-01-29
Betjeningsvejledning <i>Operation Manual</i>	116-P-APRIME2-OPERAT/FGB	2018-03-07
Configuration Handbook	116-P-APRIME2-CONFIG/EGB	2012-01-10
Getting started	116-P-APRIME2-GETSTAR/EGB	2017-04-19
System description	Doc-1004530.1	2020-11-04

Bilag/Annex: 4

AFVIGELSER DEVIANCE

System operational limits

The following specifications relevant for the system compatibility test are given by the manufacturer prior to the testing:

Autoprime:

- Nominal voltage is 27.2 VDC.
- Battery voltage range is 21.6 – 28.0 VDC.
- Mains voltage range for the power supply unit is 176 VAC to 253 VAC.

Autoprime analogue addressable loop (BSD-200 and BSA-200A):

- Maximum serial cable resistance is 50 Ω .
The maximum cable resistance requirement corresponds to a maximum loop cable length of 100 m @ 2 x 0.75 mm².
- Maximum cable capacitance is 0.5 μ F.
- Maximum current load of the addressable loop from all loop devices is specified by the client to be 100 mA at a cable resistance of 50 Ω . This applies to both quiescent and alarm conditions.
For the testing in maximum load condition, the current load in quiescent condition is limited to 90 mA when the tested alarm and fault conditions do not include activation of sounders and strobe units and approx. 75 mA when sounder and strobe units are to be activated. This ensures sufficient reserve for current consumption by LEDs and sounder/strobe devices in alarm condition.