

CERTIFICATE

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

Certifikat nr.
Certificate no.
232.267

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

AutroSafe 4 **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: 2024-05-08
Udløber/Expires: 2027-06-07
Erstatter tidligere udstedt certifikat 2020-05-27
Replace previous issued certificate 2020-05-27



Merete Poulsen



Steen Nilsson

Bilag/Annex: 1

OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
Control and indicating equipment with Power supply equipment	AutroSafe 4	2531-CPR-CSP11299
Control and indicating equipment with Power supply equipment	BS-420 Fire alarm control panel	2531-CPR-CSP11299
Control and indicating equipment with Power supply equipment	BS-420M Fire alarm control panel	2531-CPR-CSP11299
Control and indicating equipment with Power supply equipment	BS-420G Fire alarm control panel	2531-CPR-CSP11299
Control and indicating equipment with Power supply equipment	BS-430 Operator Panel	2531-CPR-CSP11299
Control and indicating equipment with Power supply equipment	BV-420 Information Panel	2531-CPR-CSP11299
Control and indicating equipment with Power supply equipment	BU-420 Fire Brigade Panel	2531-CPR-CSP11299
Control and indicating equipment with Short-circuit isolators	BU-110 Fire Brigade Panel	2531-CPR-CSP11299
Control and indicating equipment with Short-circuit isolators	BV-110 Alarm Information Panel	2531-CPR-CSP11299
Accessories to the above	BC-440 AS Controller Rack Unit	
Power Supply Equipment	AU2402	2821-CPR-0155
Power Supply Equipment	AU2405	2821-CPR-0156
Power Supply Equipment	AU2410	2821-CPR-0157
Power Supply Equipment	BPS-410	2531-CPR-CSP11300
Manual call point with isolator	BF-300V2	2531-CPR-CSP11296
Manual call point	BF-510WP-H	2531-CPR-CSP11296
Heat detectors and smoke detectors - Point detector using scattered light, transmitted light or ionization	V-430	2531-CPR-CSP11291
Heat and smoke detector - Point detector using scattered light, transmitted light or ionization	V-530	2531-CPR-CSP11291
Heat and smoke detector - Point detector using scattered light, transmitted light or ionization with Short-circuit isolator	BHH-520/N	2531-CPR-CSP11302

Type Type	Produkt Product	Certifikat Certificate
Heat detectors and smoke detectors - Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators Complete set consisting of BHH-220 detector head and the base BWA-100	BH-220	2531-CPR-CSP11302
Heat detectors and smoke detectors - Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators Complete set consisting of BHH-320 detector head and the base BWA-100	BH-320	2531-CPR-CSP11302
Heat detectors and smoke detectors - Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators Complete set consisting of BHH-520 detector head and the base BWA-100	BH-520	2531-CPR-CSP11302
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators Complete set consisting of BHH-200 detector head and the base BWA-100	BH-200	2531-CPR-CSP11301
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators Complete set consisting of BHH-300 detector head and the base BWA-100	BH-300	2531-CPR-CSP11301
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators Complete set consisting of BHH-500 detector head and the base BWA-100	BH-500	2531-CPR-CSP11301
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BHH-200	2531-CPR-CSP11301
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BHH-300	2531-CPR-CSP11301
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BHH-500	2531-CPR-CSP11301
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BHH-500/N	2531-CPR-CSP11301
Heat detectors - Point detectors with Short-circuit isolators	BDH-500/EX	2531-CPR-CSP11303
Heat detectors - Point detectors with Short-circuit isolators Complete set consisting of BDH-200 detector head and the base BWA-100	BD-200	2531-CPR-CSP11303

Type Type	Produkt Product	Certifikat Certificate
Heat detectors - Point detectors with Short-circuit isolators Complete set consisting of BDH-200M detector head and the base BWA-100	BD-200M	2531-CPR-CSP11303
Heat detectors - Point detectors with Short-circuit isolators Complete set consisting of BDH-300 detector head and the base BWA-100	BD-300	2531-CPR-CSP11303
Heat detectors - Point detectors with Short-circuit isolators Complete set consisting of BDH-500 detector head and the base BWA-100	BD-500	2531-CPR-CSP11303
Heat detectors - Point detectors with Short-circuit isolators	BD-501	2531-CPR-CSP11303
Heat detectors - Point detectors with Short-circuit isolators	BDH-200	2531-CPR-CSP11303
Heat detectors - Point detectors with Short-circuit isolators	BDH-200M	2531-CPR-CSP11303
Heat detectors - Point detectors with Short-circuit isolators	BDH-300	2531-CPR-CSP11303
Heat detectors - Point detectors with Short-circuit isolators	BDH-500	2531-CPR-CSP11303
Heat detectors - Point detectors with Short-circuit isolators	BD-501	2531-CPR-CSP11303
Heat detectors - Point detectors with Short-circuit isolators	BDH-500/N	2531-CPR-CSP11303
Heat detectors - Point detectors with Short-circuit isolators	BD-501/N	2531-CPR-CSP11303
Flame detectors - Point detector with Short-circuit isolators	BG-201	2531-CPR-CSP11268
Flame detectors - Point detector	BG-21	2531-CPR-CSP11267
Sounders with Short-circuit isolators	BBQ-130	2531-CPR-CSP11323
Sounders with Short-circuit isolators	BBR-130	2531-CPR-CSP11321
Sounders with Short-circuit isolators and visual alarm device	BBR-230/IP	2531-CPR-CSP11320
Sounders with Short-circuit isolators and visual alarm device	BBR-230	2531-CPR-CSP11319
Sounders with Short-circuit isolators and visual alarm device	BBQ-230/IP	2531-CPR-CSP11316
Sounders with Short-circuit isolators and visual alarm device	BBQ-230	2531-CPR-CSP11316

Type Type	Produkt Product	Certifikat Certificate
Short-circuit isolators	BBL-100/IP Beacon Outdoor Adressable	2531-CPR-CSP11318
Short-circuit isolators	BBL-100 Beacon Indoor Adressable	2531-CPR-CSP11317
Short-circuit isolators	V-100	2531-CPR-CSP11293
Short-circuit isolators	V-110	2531-CPR-CSP11293
Short-circuit isolators	V-120	2531-CPR-CSP11293
Input/output devices with Short-circuit isolators	BN-303	2531-CPR-CSP11297
Input/output devices with Short-circuit isolators	BN-304	2531-CPR-CSP11297
Input/output devices with Short-circuit isolators	BN-305	2531-CPR-CSP11311
Input/output devices with Short-circuit isolators	BN-305-2	2531-CPR-CSP11311
Input/output devices with Short-circuit isolators	BN-305-D	2531-CPR-CSP11311
Input/output devices with Short-circuit isolators	BN-307	2531-CPR-CSP11311
Input/output devices with Short-circuit isolators	BNB-331	2531-CPR-CSP11311
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
X units Zone 0 and Zone 1 EX komponenter Zone 0 og Zone 1		
Input/output devices	Barrier unit BZ-500	2531-CPR-CSP11310
Heat detectors - Point detectors with Short-circuit isolators Complete set consisting of BDH-500/EX detector head and the base BWA-100	Heat detector BD-500/EX	2531-CPR-CSP11303
Heat detectors - Point detectors with Short-circuit isolators	Heat detector BD-501/EX	2531-CPR-CSP11303
Manual call points with Short-circuit isolators	Call point BF-500V2/EX	2531-CPR-CSP11296
Smoke Point detector using scattered light, transmitted light or ionization with Short-circuit isolators Complete set consisting of BHH-500/EX detector head and the base BWA-100	Optical detector BH-500/EX	2531-CPR-CSP11301

Type Type	Produkt Product	Certifikat Certificate
Heat detectors and smoke detectors - Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators Complete set consisting of BHH-520/EX detector head and the base BWA-100	Multi sensor BH-520/EX	2531-CPR-CSP11302
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		
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BHH-500/S	Not CPR certified.
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BHH-500/S/N	Not CPR certified.

Bilag/Annex: 2

PRØVNINGS DOKUMENTATION

TEST DOKUMENTATION

Akkediteret laboratorium <i>Accredited laboratory</i>	Rapport nr <i>Report no.</i>	Dato <i>Date</i>
DELTA	DANAK-19/11715, Project no. A530940	2011-12-21
DELTA	DANAK-19/12349, Project no. T201083	2012-08-16
Nemko	FSC541231001.00	2021-06-09

Bilag/Annex: 3

TEKNISK DOKUMENTATION

TECHNICAL DOCUMENTATION

Titel <i>Name</i>	Reference <i>Refence</i>	Dato <i>Date</i>
Installationshåndbog <i>Installation Manual</i>	Doc-1004796.3	2022-05-04
Brugervejledning <i>Operation Manual</i>	Doc-1004716.2	2022-05-04

Bilag/Annex: 4

AFVIGELSER *DEVIANCE*

The following requirements must be fulfilled:

- The total current load from all detectors etc. connected to the addressable loop shall be less than or equal to 90 mA in quiescent as well as alarm condition.
- With the maximum current load of 100 mA, the serial cable resistance of the BS-420 loop circuit shall be less than or equal to 50 Ω totally for both loop wires together.
- The cable capacitance of the BS-420 loop circuit shall be less than or equal to 0.5 μ F.
- All analogue addressable devices connected to the loop shall have a supply voltage range equal to or bigger than 22.00-24.80 VDC.
- No Type C dependency according to clause 7.12.3 of EN 54-2:1997/A1:2006 approved for the CIE panel AutoSafe 4. No operator access to level 3 are allowed in case the system inhibit the activation of outputs until a second alarm signal is received.