

CERTIFICATE

Autronica Fire and Security A/S
Haakon VII's Gate 4
7483 Trondheim
Norge

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 overensstemmelsecertifikat 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*: 2021-06-15
Udløber/*expire*: 2024-06-07
Erstatter tidligere udstedt certifikat 2021-07-07
Replace previous issued certificate 2021-07-07



Allan Laursen



Merete Poulsen

Bilag/Annex: 1

OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
Control and indicating equipment with Power supply equipment	AutoSafe 4	0359-CPR-00008
Control and indicating equipment with Power supply equipment	BS-420	0359-CPR-00008
Control and indicating equipment with Power supply equipment	BS-420M	0359-CPR-00008
Control and indicating equipment with Power supply equipment	BS-420G	0359-CPR-00008
Control and indicating equipment with Power supply equipment	BS-430 Operator Panel	0359-CPR-00008
Control and indicating equipment with Power supply equipment	BV-420 Information Panel	0359-CPR-00008
Control and indicating equipment with Power supply equipment	BU-420 Fire Brigade Panel	0359-CPR-00008
Control and indicating equipment with Short-circuit isolators	BU-110 Fire Brigade Panel	0470-CPR-0037
Control and indicating equipment with Short-circuit isolators	BV-110 Alarm Information Panel	0470-CPR-0037
Accessories to the above	BC-440 AS Controller Rack Unit	
Power Supply Equipment	AU2402	2531-CPR- 11216
Power Supply Equipment	AU2405	2531-CPR-11217
Power Supply Equipment	AU2410	2531-CPR-11217
Power Supply Equipment	BPS-410	0359-CPD-0110 And DoP 035-CPR-0110
Manual call points	BF-300V2	0333-CPR-075247
Manual call points	BF-510WP-H	0333-CPR-075245
Heat detectors and smoke detectors - Point detectors using scattered light, transmitted light or ionization	V-430	0905-CPR-00840
Heat detectors and smoke detectors - Point detectors using scattered light, transmitted light or ionization	V-530	0905-CPR-00840

Bilag/Annex: 1

OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
Heat detectors and smoke detectors - Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BHH-520/N	1134-CPR-017
Heat detectors and smoke detectors - Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BH-220	1134-CPR-017
Heat detectors and smoke detectors - Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BH-320	1134-CPR-017
Heat detectors and smoke detectors - Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BH-520	1134-CPR-017
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BH-200	1134-CPR-016
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BH-300	1134-CPR-016
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BH-500	1134-CPR-016
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BHH-200	1134-CPR-016
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BHH-300	1134-CPR-016
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BHH-500	1134-CPR-016
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BHH-500/S	1134-CPR-016
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BHH-500/N	1134-CPR-016
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	BHH-500/S/N	1134-CPR-016
Heat detectors - Point detectors with Short-circuit isolators	BDH-500/EX	1134-CPR-018
Heat detectors - Point detectors with Short-circuit isolators	BD-200	1134-CPR-018

Bilag/Annex: 1

OMFANG/EXTENT

Type <i>Type</i>	Produkt <i>Product</i>	Certifikat <i>Certificate</i>
Heat detectors - Point detectors with Short-circuit isolators	BD-200M	1134-CPR-018
Heat detectors - Point detectors with Short-circuit isolators	BD-300	1134-CPR-018
Heat detectors - Point detectors with Short-circuit isolators	BD-500	1134-CPR-018
Heat detectors - Point detectors with Short-circuit isolators	BD-501	1134-CPR-018
Heat detectors - Point detectors with Short-circuit isolators	BDH-200	1134-CPR-018
Heat detectors - Point detectors with Short-circuit isolators	BDH-200M	1134-CPR-018
Heat detectors - Point detectors with Short-circuit isolators	BDH-300	1134-CPR-018
Heat detectors - Point detectors with Short-circuit isolators	BDH-500	1134-CPR-018
Heat detectors - Point detectors with Short-circuit isolators	BD-501	1134-CPR-018
Heat detectors - Point detectors with Short-circuit isolators	BDH-500/N	1134-CPR-018
Heat detectors - Point detectors with Short-circuit isolators	BD-501/N	1134-CPR-018
Flame detectors - Point detector with Short-circuit isolators	BG-201	2831-CPR-F4096
Flame detectors - Point detector	BG-21	2831-CPR-F4095
Sounders with Short-circuit isolators	BBQ-130	0832-CPD-1046 and DoP0832-CPR-146.
Sounders with Short-circuit isolators	BBR-130	0832-CPD-1045 and DoP0832-CPR-145.
Sounders with Short-circuit isolators	BBR-230/IP	0832-CPD-1044 and DoP 0832-CPR-1044
Sounders with Short-circuit isolators	BBR-230	0832-CPD-1043 and DoP 0832-CPR-1043
Sounders with Short-circuit isolators	BBQ-230/IP	0359-CPR-00831
Sounders with Short-circuit isolators	BBQ-230	0359-CPR-00831

Bilag/Annex: 1

OMFANG/EXTENT

Type <i>Type</i>	Produkt <i>Product</i>	Certifikat <i>Certificate</i>
Short-circuit isolators	BBL-100/IP Beacon Outdoor Adressable	0832-CPD-1040 and DoP 0832-CPR-1040
Short-circuit isolators	BBL-100 Beacon Indoor Adressable	0832-CPD-1039 and DoP 0832-CPR-1039
Short-circuit isolators	V-100	0905-CPR-0084
Short-circuit isolators	V-110	0905-CPR-0084
Short-circuit isolators	V-120	0905-CPR-0084
Input/output devices with Short-circuit isolators	BN-303	0333-CPR-075249
Input/output devices with Short-circuit isolators	BN-304	0333-CPR-075248
Input/output devices with Short-circuit isolators	BN-305	0470-CPD-0031 And DoP 0470-CPR-0031
Input/output devices with Short-circuit isolators	BN-307	0470-CPD-0031 And DoP 0470-CPR-0031
Input/output devices with Short-circuit isolators	BNB-331	0470-CPD-0031 And DoP 0470-CPR-0031
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	0470-CPD-030 and Dop 0470-CPR-0030
Heat detectors - Point detectors with Short-circuit isolators	Heat detector BD-500/EX	1134-CPR-018
Heat detectors - Point detectors with Short-circuit isolators	Heat detector BD-501/EX	1134-CPR-018
Manual call points with Short-circuit isolators	Call point BF-500V2/EX	0333-CPR-075244
Smoke Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	Optical detector BH-500/EX	1134-CPR-016
Heat detectors and smoke detectors - Point detectors using scattered light, transmitted light or ionization with Short-circuit isolators	Multi sensor BH-520/EX	1134-CPR-017

Bilag/Annex: 2

PRØVNINGSdokUMENTATION 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	21. December 2011
DELTA	DANAK-19/12349, Project no. T201083	16. August 2012
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>	116-P-ASAFE-INSTALL/DGB Rev. G	2011-12-06
Brugervejledning <i>Operation Manual</i>	116-P-ASAFE-OPERATE/FN Rev. B	2011-01-20

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.