

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: 2005 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: 2020-10-09

Udløber/expire: 2021-04-09

Erstatter tidligere udstedt certifikat 2020-05-27
Replace previous issued certificate 2020-05-27



Merete Poulsen



Allan Laursen

| Component <i>Komponent</i> | Certifikat <i>Certificate</i> |
|--|---|
| Control and Indicating Equipment with Power Supply/ <i>Kontrol og indikeringsudstyr med strømforsyning</i> | |
| AutroSafe 4 | 0905-CPR-00008 |
| Call points/Alarmtryk | |
| BF-300V2 | 0333-CPD-075247 |
| BF-510WP-H | 0333-CPD-075245 |
| Multisensor/Multisensor | |
| BH-220 | 1134-CPD-017 |
| BH-320 | 1134-CPD-017 |
| BH-520 | 1134-CPD-017 |
| Optical detectors/Optisk detektor | |
| BH-200 | 1134-CPD-016 |
| BH-300 | 1134-CPD-016 |
| BH-500 | 1134-CPD-016 |
| | |
| Heat detectors/Termodektektor | |
| BD-200 | 1134-CPD-018 |
| BD-200M | 1134-CPD-018 |
| BD-300 | 1134-CPD-018 |
| BD-500 | 1134-CPD-018 |
| BD-501 | 1134-CPD-018 |
| EX units Zone 2/EX komponenter Zone 2 | |

| Component <i>Komponent</i> | Certifikat <i>Certificate</i> |
|--|---|
| Heat detector BD-500/N | 1134-CPD-018 |
| Heat detector BD-501/N | 1134-CPD-018 |
| Optical detector BH-500/N | 1134-CPD-016 |
| Multi sensor BH-520/N | 1134-CPD-017 |
| EX units Zone 0 and Zone 1/ EX komponenter Zone 0 og Zone 1 | |
| Barrier unit BZ-500 | 0470-CPD-030 |
| Heat detector BD-500/EX | 1134-CPD-018 |
| Heat detector BD-501/EX | 1134-CPD-018 |
| Call point BF-500V2/EX | 0333-CPD-075244 |
| Optical detector BH-500/EX | 1134-CPD-016 |
| Multi sensor BH-520/EX | 1134-CPD-017 |
| Sounders and strobe units/ Lydgivere og blink enheder | |
| Loop sounder BBR-200 | 0832-CPD-0141 |
| Socket sounder BBR-110 | 0832-CPD-0140 |
| Addressable indoor base sounder BBR-130 | 0832-CPD-1045 |
| Addressable indoor sounder BBR-230 | 0832-CPD-1043 |
| Addressable outdoor sounder BBR-230/IP | 0832-CPD-1044 |
| Addressable base sounder and strobe BBQ-130 | 0832-CPD-1046 |
| Addressable indoor sounder and strobe BBQ-230 | 0832-CPD-1041 |
| Addressable outdoor sounder and strobe BBQ-230/IP | 0832-CPD-1042 |
| Addressable indoor strobe BBL-100 | 0832-CPD-1039 |

| Component <i>Komponent</i> | Certifikat <i>Certificate</i> |
|---|---|
| Addressable outdoor strobe BBL-100/IP | 0832-CPD-1040 |
| Input/Output units/ Input Output enheder | |
| Single monitored input BN-303 | 0333-CPD-075249 |
| Single monitored input/output BN-304 | 0333-CPD-075248 |
| Dual monitored input/output BN-305 | 0470-CPD-0031 |
| Repeater/Fire brigade panel BN-307 | 0470-CPD-0031 |
| Conventional loop interface/ Konventionel loop interface | |
| Conventional loop interface BNB-331 | 0470-CPD-0031 |

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 |
| | | |
| | | |

Bilag/Annex: 3

TEKNISK DOKUMENTATION
TECHNICAL DOCUMENTATION

| Titel Name | Reference Refence | Dato Date |
|--|-----------------------------------|----------------------|
| 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.