

## LLOYD'S REGISTER TYPE APPROVAL – DESIGN APPRAISAL DOCUMENT

Issued by: HAMBURG TECHNICAL SUPPORT OFFICE (HPC1562135)

Issued to: AUTRONICA FIRE AND SAFETY AS

For: FIRE DETECTORS, CONDUIT BOXES AND ADAPTERS,

TYPES: BD-200/-300/-500-series, BH-200/-300/-500-series, BWP-100/-143-series

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System Procedure TA14 Version 04 (September 2020) and this Design Appraisal Document forms part of the Certificate.

### APPROVAL DOCUMENTATION

ETS 58873	Type Approval Application Checklist	14.12.2021
ETS 40485-20	Design Appraisal Document of previous certificate no. LR2183663TA	14.04.2021
OSL2100120	Production quality assessment report of Autronica Fire & Safety AS (Trondheim, NOR)	14.12.2021
900776	Certificate ISO 9001:2015 Autronica Fire and Security AS	07.05.2020
Unnumbered	Manufacturer's Statement about fire detectors similarity	04.02.2022
Unnumbered	Manufacturer's Statement about enclosure similarity of BD-501/BD-200M vs. BE-34	03.03.2022
247273	Statement of Conformity Ingress Protection (IP67) for BD-200M and BD-501	06.11.2013
MEDB0000646	EC-Type Examination Certificate (Module B) for BD-200, BD-300, BD-500, BD-500/N, BD-500/EX, BH-220, BH-320, BH-520, BH-520/N, BH-520/EX, BD-501, BD-501/N, BD-501/EX, BD-200M	22.02.2021
116-P-BD501N/CGB	Product data sheet Heat Detector BD-501/N, Rev. D	10.11.2016
116-P-BD200M/CGB	Product data sheet Heat Detector BD-200M, Rev. C	08.10.2018
Nemko 03ATEX217X	ATEX Certificate EU-Type Examination (Issue 08) for BD-501/N	22.06.2021
Ex 98Y243	Nemko Certificate acc. To IEC 79-15 for heat detector BE-34	10.09.1998

### TEST REPORTS

E18217.00	Test Report (dry heat, EMC) acc. IEC 60092-504:2016 (partly) for various units of BD-/BH-series	15.11.2018
2003-3379	Test Report (Salt mist) for BD-200M & BD-501	23.10.2003
2000-1178	Test Report (Environmental, EMC) for BH-500/Ex, BD-500/Ex, BH-520/Ex	15.02.2000
TE200205	Test Report (Environmental) for BD-501	11.01.2001
199810272003	Test Report acc. to IEC 79-15 for BE-34 related to certificate no. 98Y243 (incl. IP56)	04.08.1998



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### **Supplementary Type Approval Terms and Conditions**

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.*