

LLOYD'S REGISTER TYPE APPROVAL
Issue by: HAMBURG TECHNICAL SUPPORT OFFICE (HPC1462144)
Issued to: KONGSBERG MARITIME AS
For: BARRIER UNITS, Types DZ-110, DZ110/U, DZ-120

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System Procedure TA14 Version 03 (July 2017) and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

ETS 53887	Application Checklist – Appendix to Form TA2502TA	24.09.2019
ETS 54141	Request for Marine Services – Type Approval	13.11.2019
ETS 30564-14	Design Appraisal Document of previous certificate no. 14/20063 (E1)	14.09.2016
OSL1900153	Production quality assessment report of Kongsberg Maritime Trondheim	06.06.2019
900662	Certificate ISO 9001:2015 (Kongsberg Maritime AS)	25.04.2018
397305/B	Material declaration / Declaration of Conformity	10.05.2016
P-DZ110U/CE Rev. B	Datasheet Transmitter Barrier Unit DZ-110/U	21.08.2017
P-DZ120/CE Rev. B	Datasheet Zener Barrier Unit DZ-120	21.08.2017
Presafe 14 ATEX 4368	EC-Type Examination Certificate (Issue 3) Transmitter Barrier DZ-110 / DZ-110/U	28.08.2017
Presafe 16 ATEX 7965	EC-Type Examination Certificate (Issue 1) Zener Barrier Unit DZ-120	31.08.2017
IECEX PRE 14.0005	IECEX Certificate of Conformity (Issue 2) Transmitter Barrier DZ-110 / DZ-110/U	28.08.2017
IECEX PRE 16.0020	IECEX Certificate of Conformity (Issue 1) Zener Barrier Unit DZ-120	31.08.2017

TEST REPORT

E15308.02	Test Report (EMC / Environmental) for Units DZ-110/U & DZ-120	25.07.2016
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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.

