



COPY

NIPPON KAIJI KYOKAI

Certificate

Certificate No.
TA2494E(AL)

OF

TYPE APPROVAL

Product name : Sample extraction smoke detection system
Type : SDS-72
Product description : See Annex.
Manufacturer : safetec Brandes & Niehoff GmbH
Kringelsburg 2a, 21397 Scharnebeck, Germany
Documentation : See Annex.
Testing standard : FSS Code Chapter 10
EN 54-2:1997(A1:2006)
EN 54-4:1997(A1:2003+A2:2007)
IEC 60092-504:2016

THIS IS TO CERTIFY that the above type has been approved by Nippon Kaiji Kyokai with approval No. N-1306 and that products of the type will be accepted for use on ships classed with the Society for compliance with the relevant requirements of the Society's *Rules for the Survey and Construction of Steel Ship* and with the *International Convention for the Safety of Life at Sea 1974 as amended* subject to conditional upon that product verification be carried out by the Society.

This certificate is valid from 7 December 2023 until 6 December 2028.
Issued at Tokyo on 26 January 2024.

NIPPON KAIJI KYOKAI




Y. Takao
General Manager,
Material and Equipment Department

1. Product description

Description	Type
Adapter Module for SDS-3500	ADP-3500
Smoke Detection Panel	SDS-3000
Smoke Detection Panel, 1-4 detection lines	SDS-3104
Smoke Detection Panel, 5-8 detection lines	SDS-3108
Smoke Detection Panel, 9-12 detection lines	SDS-3112
Extension Panel, 5-8 detection lines	SDS-3208
Extension Panel, 9-12 detection lines	SDS-3212
Extension Panel, 13-16 detection lines	SDS-3216
Smoke Detection Unit (SDU), 1 detection line for pipes up to DN150	SDS-3300
Smoke Detection Unit for one exhaust ventilation duct (SDU-EVD)	SDS-3350
Remote Panel (flush mount / wall mount)	SDS-3500
Junction Box for SDS-M460	SDS-3600
Junction Box for SDS-3300 (SDU) and/or EDD	SDS-3700
3/2-way flap for Fan Module SDS-M0460	SDS-3800
Fan Unit 2 fans on a frame, 230V~	SDS-M0440
Fan Unit 2 fans on a frame, 110V~	SDS-M0441
Fan Unit 2 fans on a frame, 230V~	SDS-M0450
Fan Module 1 fan	SDS-M0460
Isolator / Protocol Translator	IPT-1

2. Documentation

Documentation	No.
PAConsult Test Report	No. 15-7421
Treo Test Report	No. 042-23
	No. 058-16
	No. 313-17
	No. 320-16
TUV NORD CERT Test Report	No. 15012-3-R01
	No. 16185-1-R01
	No. 16185-2-R00
	No. 16185-3-R00
	No. 17228-1-R01
	No. 22184-3-R00
Safetec Test Report	No. DOK22.002