

Certificate No: **TAA00002F1**

TYPE APPROVAL CERTIFICATE

This is to ce	ertify:	
That the Fire I	Detector	
		800/24VST-K-NT, 800/24VST-K-M, 800/24VST-K
Issued to		
Egon Har Oststeinbel		
equipment an IEC 60092-50	programme DNVGL-CP-0203 - d systems	Type approval – Electronic and programmable installations in ships – Part 504: Automation,
Application	:	
Product(s) ap DNV GL.	proved by this certificate is/a	re accepted for installation on vessels classed by
Location class Temperature Humidity Vibration EMC Enclosure	B B A B	g to the Rules shall be provided upon installation
Issued at Ham l	burg on 2019-08-06	
	is valid until 2024-08-05 . ation: Hamburg CMC	for DNV GL
Approval Engineer: Heinz Scheffler		Joannis Papanuskas Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



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Product description

Optical UV-Flame Detector typs:

- 800/24VST-K-x
- 800/24VST-K-y
 - x = N: Relays K1 and K2 with potential-free contacts
 - y = NT, NT A, M, EW, EW A: Relays K1 and K2 with signal lines adaptation for the relevant fire alarm control panel

Technical data:

- Alarm sensibility: according to EN54 part 10, class 1
- Power supply: 24V DC
- Current Consumption in Operation: approximately 33mA (at 24V DC)
- Current Consumption at Alarm Indication: approximately 52mA (at 24V DC)
- Outputs:
 - o 1 potential-free close contact for voltage and failure monitoring (closed in operation)
 - o 1 potential-free close contact for fire alarm monitoring
- Output contacts rating: 30V DC, 1 A
- Supervision angle adjustable:
 - o 90° with diaphragm 30mm
 - 45° with diaphragm 50mm
 - o 28° with diaphragm 69mm
- Housing material: PC-LEXAN 241R

Application/Limitation

Observe the DNVGL RU Ship Pt 6 Additional class notations. Function of the potential free contact is part of the relevant project.

Type Approval documentation

Test reports: 072276.079.19 V1; BMA 14075; BMA 08104; L1251-03; 05-10/2003 **Documents:** Datasheet 4.3125.1-1, Operating Instructions 4.3125.2-1, Description 4.9071.1-1; Production instruction 4.03301.1; Drawing Overview List 4.03301, Rev. 18

Tests carried out

- IEC 60092-504:2016
- IEC 60533:2015
- EN 54-10:2002 incl. A1:2005

Marking of product

The products to be marked with:

- Model name
- Manufacturer name
- Serial number

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Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE

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