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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 35345-2017

**Ships and marine technology -- Lifesaving and fire protection --
Point-type resettable flame detectors for ships**

船舶与海上技术 救生与消防 船用点式火焰探测器

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method identical with the international standard ISO 19292:2014 "ship and marine life-saving and fire-fighting marine point Flame detector. " the documents of our country that are consistent with the corresponding international documents that are normative references in this standard are as follows.

--- GB/T 2423.1-2008 Environmental testing for electric and electronic products Part 2. Test methods Test A. Low temperature (IEC 60068-2-1:2007, IDT)

--- GB/T 2423.2-2008 Environmental testing for electric and electronic products Part 2. Test methods Test B. High temperature (IEC 60068-2-2:2007, IDT)

--- GB/T 2423.4-2008 Environmental testing for electric and electronic products Part 2. Test methods Test Db. Alternating hot and humid (12h 12h cycle) (IEC 60068-2-30:2005, IDT)

--- GB/T 2423.10-2008 Environmental testing for electric and electronic products Part 2. Test methods Test Fc. Vibration (sinusoidal) (IEC 60068-2-6:1995, IDT)

--- GB/T 2423.18-2012 Environmental Testing Part 2. Test Method Test Kb. Salt spray, alternating (sodium chloride solution) (IEC 60068-2-52:1996, IDT) Electromagnetic compatibility test and measurement techniques Electrostatic discharge immunity test (IEC 61000-4-2).

2001, IDT)

--- GB/T 17626.4-2008 Electromagnetic compatibility test and measurement techniques Fast transient impulse group immunity test (IEC 61000-4-4:2004, IDT)

--- GB/T 17626.5-2008 Electromagnetic compatibility test and measurement techniques surge (impact) immunity test (IEC 61000-4-5:2005, IDT)

--- GB/T 17626.6-2008 electromagnetic compatibility test and measurement techniques RF field induced conduction disturbances immunity (IEC 61000-4-6:2006, IDT) this standard proposed by China State Shipbuilding Corporation.

This standard by the National Marine Machinery Standardization Technical Committee (SAC/TC137) centralized.

1 Scope

This standard specifies the performance requirements for point flame detectors (flame detectors) for the installation of marine fire detection systems, test Methods and inspection rules.

This standard in reference to ISO 7240-10 on land and ship unified requirements based on the increase of marine environment requirements.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

ISO 7240-1 fire detection alarm system Part 1. General requirements and definitions (Fire detection and alarm systems-Part 1: General and definitions) ISO 7240-10:2012 Fire detection and alarm system Part 10. Point flame detector (Fire detection and alarm systems-Part 10: Point-type flame detectors) IEC 60068-2-1 Environmental testing for electric and electronic products Part 2. Test methods Test A. Low temperature (Environmental testing-Part 2-1. Tests-Test A. Cold) IEC 60068-2-2 Environmental testing for electric and electronic products Part 2. Test methods Test B. High temperature (Environmental testing-Part 2-2. Tests-Test A. Dry heat) IEC 60068-2-6 Environmental testing for electric and electronic products Part 2. Test methods Test Fc. Environmental testing-Part 2-6. Tests-Test Fc. Vibration (sinusoidal)) IEC 60068-2-30 Environmental testing for electric and electronic products Part 2. Test methods Test Db. Alternating hot and humid (12h 12h (Environmental testing-Part 2-30. Tests-Test Db. Damp heat, cyclic (12h 12cycle)) Environmental testing for electric and electronic products Part 2. Test methods Test Kb. Salt spray, alternating (sodium chloride solution (Environmental testing-Part 2-52. Tests-Test Kb. Salt mist, cyclic (sodium, chloride solution)) IEC 61000-4-2 Electromagnetic compatibility test and measurement techniques Electrostatic discharge immunity test compatibility (EMC) -Part 4-2. Testing and measuring techniques-Electrostatic discharge immunity test) IEC 61000-4-4 Electromagnetic compatibility test and measurement technology Electro-fast transient burst immunity test (Electromagnetic compatibility (EMC) -Part 4-4. Testing and measurement techniques -Electric fast transient/burst immunity test IEC 61000-4-5 Electromagnetic compatibility test and measurement techniques surge (impact) immunity test (Electromagnetic compatibility (EMC) -Part 4-5. Testing and measuring techniques-Surge immunity test) IEC 61000-4-6 Electromagnetic compatibility Testing and measurement techniques Conducted disturbances in RF field immunity (Electromagnetic compatibility (EMC) -Part 4-6. Testing

and measuring techniques-Immunity to conducted disturbances,
induced by radio-frequency fields) Specification for CISPR16-1 radio disturbance and
immunity measuring apparatus and methods - Part 1-1. Radio interference and immunity
measurements Measuring instrument
(Specification for radiation distance and immunity measurement apparatus and