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Vehicle Fire Detection Alarm
车用火灾探测报警器

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FOREWORD

This document is drafted in accordance with the rules given in GB/T 1.1-2020 “*Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents*”.

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This document was proposed by and is under the jurisdiction of the National Fire and Rescue Administration.

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Vehicle Fire Detection Alarm

1 SCOPE

This document specifies the terms and definitions, classification, requirements, inspection rules, and marking with respect to the vehicle fire detection alarm (hereinafter referred to as “detection alarm”), and describes their corresponding test methods.

This document is applicable to the design, manufacture, and inspection of fire detection alarm installed and used in gas-powered vehicles and electric vehicles (excluding electric buses).

2 NORMATIVE REFERENCES

The following normative documents contain provisions which, through normative reference in this text, constitute essential provision of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendment) applies.

GB/T 5907.5	Fire protection vocabulary—Part 5: Fire products
GB/T 9969	General principles for preparation of instructions for use of industrial products
GB 12978	Rules for test of fire electronic products
GB/T 16838	Environmental test and severities for fire electronic products
GB/T 17626.2	Electromagnetic compatibility—Testing and measurement techniques—Electrostatic discharge immunity test
GB/T 17626.3	Electromagnetic compatibility—Testing and measurement techniques—Part 3: Radiated, radio-frequency, electromagnetic field immunity test
GB/T 17626.4	Electromagnetic compatibility—Testing and measurement techniques—Electrical fast transient/burst immunity test
GB/T 17626.5	Electromagnetic compatibility—Testing and measurement techniques—Surge immunity test
GB/T 17626.6	Electromagnetic compatibility—Testing and measurement techniques—Immunity to conducted disturbances, induced by radio-frequency fields
GB/T 18655-2025	Vehicles, boats and internal combustion engines—Radio disturbance characteristics—Limits and methods of measurement for the protection of on-board receivers
GB/T 21437.2-2021	Road vehicles—Test method of electrical disturbances from conduction and coupling—Part 2: Electrical transient conduction along supply lines only
GB/T 21437.3-2021	Road vehicles—Test method of electrical disturbances from conduction and coupling—Part 3: Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines
GB/T 28046.2-2019	Road vehicles—Environmental conditions and testing for electrical and electronic equipment—Part 2: Electrical loads
GB/T 28046.3-2011	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 3: Mechanical loads
GB/T 28046.4-2011	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 4: Climatic loads

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