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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 30051-2013

General technical requirements for push-bar emergency exit locks

推闩式逃生门锁通用技术要求

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Standardization Administration of the PRC

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Foreword

Chapter 5 of this standard (except 5.1.1), Chapters 7 and

8.1 are mandatory, the rest are recommended. This standard was drafted in accordance with GB/T 1.1-2009 given rules. The standard proposed by the People's Republic of China Ministry of Public Security. This standard by the National Standardization Technical Committee member fire building fire resistance of the Technical Committee (SAC/TC113/SC8) centralized. This standard is drafted by: Ministry of Public Security in Tianjin Fire Research Institute. This standard rationality. Beijing Branch into the Denon Control Systems Limited. The main drafters of this standard. Zhaohua Li, Huang Wei, Li Bo, Li Xi whole, Wangbao Wei, An ice, what weight training. This standard is the first release. The latch locks escape push common technical requirements

1 Scope

China's national standard for push-bar emergency exit locks - the panic bar on an escape door, which must open under a push from someone who has never used it, in the dark, in a crowd. It sets the terms and definitions, the classification, the requirements, the test methods, the inspection rules and the provisions for marking, packaging, transport and storage, and it applies to the push-bar escape locks fitted on evacuation doors. Clause 5 apart from 5.1.1, clause 7 and 8.1 are mandatory; the rest is recommended. Two families are covered: the plain mechanical push-bar lock, and the alarmed versions - the push-bar lock with linked alarm and the push-bar lock with independent alarm - each with its own requirements. The test programme is what gives the document its weight: appearance, structure, basic and mating dimensions, ease of operation, opening performance, robustness, life and reliability, fire resistance to GB/T 7633, and, for the alarmed locks, the specific alarm performance tests together with the environmental and electromagnetic compatibility programme drawn from GB 16838 and the GB/T 17626 series - cold, dry heat, damp heat and sinusoidal vibration to the GB/T 2423 series, electrostatic discharge and radiated radio-frequency field immunity. Issued on 17 December 2013 and in force since 1 November 2014, it is a first edition, proposed by the Ministry of Public Security and drafted by its Tianjin Fire Research Institute under SAC/TC 113/SC 8.

This standard specifies the terms and definitions push escape lock latch type, classification,

requirements, test methods, inspection rules and signs, packaging, transport and Storage. This standard applies to installation on evacuation door locks escape push latch type.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs

GB/T 2423.1 Environmental testing for electric and electronic products Part 2. Test methods Test A. Cold

GB/T 2423.2 Environmental testing for electric and electronic products Part 2. Test methods Test B. Dry heat

GB/T 2423.3 Environmental testing for electric and electronic products Part 2. Test methods - Test Cab. Damp heat test

GB/T 2423.10 Environmental testing for electric and electronic products Part 2. Test methods Test Fc. Vibration (sinusoidal)

GB/T 5907 fire first part basic terms Resistance test methods

GB/T 7633 doors and shutter

GB/T 9969 General Instructions industrial products

GB 16838-2005 Fire Electronic Product Environmental test methods and severities

GB/T 17626.2-2006 Electromagnetic compatibility - Testing and measurement techniques - Electrostatic discharge immunity test

GB/T 17626.3-2006 Electromagnetic compatibility - Testing and measurement techniques RFEMS test QB/T 3836-1999 Test Method for locks

3 Terms and Definitions

GB/T 5907, GB/T 7633 and QB/T 3836-1999 and as defined in the following terms and definitions apply to this document.

3.1 The latch locks escape push push-baremergencyexitlock Installed in the evacuation direction side door to escape, escape to open the lock function is implemented through human direction pushing the latch mode. Including push latch formula Mechanical escape door, push the latch-type linkage alarm escape door latch and push type non-linkage alarm escape door.

3.1.1 Mechanical locks escape push latch mechanicalpush-baremergencyexitlock Having

only achieve the opening and closing function by mechanical means push escape lock latch type, it does not come with its own electronic alarm and fire alarm Linkage controller or fire alarm linkage controller functions.

3.1.2 Push latch-type linkage alarm escape lock
linkage-controledpush-baremergencyexitlockwithalarm It has realized the opening and closing function by mechanical means, and comes with its own electronic alarm and fire alarm controllers or fire linkage control System control linkage alarm function push latch type escape door.

3.1.3 Push latch type non-linkage alarm escape lock
non-linkage-controledpush-baremergencyexitlockwithalarm It has realized the opening and closing function by mechanical means, and comes with its own electronic alarm function, but not supplied with the fire alarm controllers or fire-linked Motion controller linkage alarm function push latch type escape door. Category 4

4.1 By using the function is divided into.

a) push the latch mechanical escape locks, code-named J;

b) push the latch-type linkage alarm escape door, codenamed BL;

c) non-push type latch linkage alarm escape door locks, code-named B.

4.2 according to fire resistance is divided into.

a) having a fire resistance of push-type escape latch locks, can be installed on fire doors, code-named F -, "-" indicates push latch type escape Locks refractory time in hours (h), to two decimal places.

b) does not have a fire resistance of the push-type escape door latch can not be mounted for use on fire doors, no code.

4.3 Reliability divided by life.

a) 300,000 lifetime reliability to meet grade I, codenamed I;

5.1.1 General requirements

5.1.1.1 Push latch mechanical escape door (hereinafter referred to as door) appearance and internal structure should be consistent with the design drawings.

5.1.1.2 Lock components used in styling products, its quality should be consistent with the relevant national standards or industry standards.

5.1.2 Appearance quality

5.1.2.1 locks should be smooth surface, the coating should be uniform, there should be no exposed parts obvious cracks, spots, blistering, flaking, scratches and other defects.