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GA

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA 93-2004

Replacing GA 93-1995

Fire-proof door closer

防火门闭门器

(English Translation)

Issued on: March 18, 2004 **Implemented on: October 1, 2004**

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4.1 Classification

Foreword

Chapter 6 of this standard is mandatory and the rest are recommended.

This standard replaces GA 93-1995 "Test Method for Door Closers for Fire Doors" from the date of implementation.

Compared with GA 93-1995, the main changes of this standard are as follows.

--- Fire door closers with positioning devices are not allowed (1995 version 6.5; Chapter 1 of this edition).

--- Added terms and definitions (see Chapter 3);

--- Increased classification and specifications of fire door closers (see Chapter 4);

--- Added fire door closer marker (see Chapter 5);

--- Increased the conventional performance of fire door closers (see 6.1);

--- Increased the service life of the fire door closer and the performance after the service life test (see 6.2);

---Modified the opening torque of the fire door closer at high temperature (6.2 of 1995 edition; 6.3.1 of this edition);

---Modified the maximum closing time of the fire door closer at high temperature (6.3 of the 1995 edition; 6.3.2 of this edition);

---Modified the minimum closing time of the fire door closer at high temperature (6.3 of the 1995 edition; 6.3.3 of this edition);

--- Modified the closing torque of the fire door closer at high temperature (6.2 of 1995 edition; 6.3.4 of this edition).

This standard was proposed by the Fire Department of the Ministry of Public Security.

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This standard is under the jurisdiction of the National Fire Protection Standardization Technical Committee.

This standard was drafted. Tianjin Fire Research Institute of the Ministry of Public Security.

Participated in the standard. Zhejiang Ruian Ruidi Hardware Door Control Co., Ltd.

1 Scope

This standard specifies the classification, specifications, markings, requirements, test devices, test methods, inspection rules, signs, packaging, and doors of fire door closers.

Transportation and storage, etc.

This standard applies to door closers without positioning devices installed on fire doors and fire windows.

2 Normative references

The terms in the following documents become the terms of this standard by reference to this standard. All dated references, followed by all Modifications (not including errata content) or revisions do not apply to this standard, however, parties to agreements based on this standard are encouraged to study is it possible to use the latest version of these files? For undated references, the latest edition applies to this standard.

GB/T 2828.1. Sampling and sampling procedures - Part 1 . Batch-to-batch sampling plan searched by the acceptance quality limit (AQL) GB 9969.1 General instructions for the use of industrial products QB/T 3893-1999 door closer

3 Terms and definitions

The following terms and definitions apply to this standard.

The speed control valve of the fire door closer is completely closed, the door is opened 70°, and the time required for self-closing is the maximum closing time.

Fully open the speed control valve of the fire door closer, the door is opened 70°, and the time required to close itself is the minimum closing time.

4.1.1 Classification by installation type (see Table 1)

Table 1 Installation type

Installation type code installation type P parallel installation C vertical installation

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4.1.2 Classification by service life (see Table 2)

Table 2 The service life unit is 10,000 times

Grade code life

First grade I >=30

Second grade II >=20 Third grade III >=10

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