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

GB/T 26155.1-2010

**Intelligent electrical actuators for industrial-process
measurement and control systems - Part 1: General
specification**

工业过程测量和控制系统用智能电动执行机构 第1部分：通用技术条件

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Foreword

GB/T 26155 "industrial process measurement and control systems with the intelligent electric actuator" is divided into two parts.

--- Part 1. General requirements;

--- Part 2. Methods for performance evaluation. This part of GB/T 26155 Part 1. This part is proposed by China Machinery Industry Federation. This part of the measurement and control of Standardization Technical Committee (SAC/TC124) is administered by the National industrial processes. This section is responsible for drafting. Chongqing Sichuan Instrument Automation Co., Ltd. Participated in the drafting of this section. Shanghai Automation Instrumentation Co., Ltd. West Instrument Group Co., Ltd., Shanghai ABB Engineering Co. The company, Fujian on the Run Precision Instrument Co., Southwest University. The main drafters of this section. Tour army. The drafters of some of the participants. Ding Shu Wei, Wang Xuetao, Shen Wei is willing, Ge Jian, Zhang Xinguo, Zhu Peijun, Zhou Xuelian, Yang Songhua Zhang Yu. Industrial process measurement and control systems Intelligent electric actuators Part 1. General requirements

1 Scope

GB/T 26155.1-2010 is the Chinese national standard on intelligent electrical actuators for industrial-process measurement and control systems - part 1: general specification, in the field of manufacturing engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 14 January 2011 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 June 2011. Classification: ICS 25.040.40, CCS N16. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This section GB/T 26155 requirements for industrial process measurement and control systems with intelligent actuator product classification technology to Demand, signs, instructions, packaging, storage, and transportation. This section applies to industrial process measurement and control systems with the intelligent electric actuator (hereinafter referred to as implementing agency).

2 Normative references

The following documents contain provisions which, through reference

GB/T 26155 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB 3836.1 explosive atmospheres - Part 1. General requirements Equipment (GB 3836.1-2010, IEC 60079-0.2007, MOD)

GB 3836.2 explosive atmospheres - Part 2. the flameproof enclosure "d" protection devices (GB 3836.2-2010, IEC 60079-1. 2007, MOD)

GB 4208 housing protection (IP Code) (GB 4208-2008, IEC 60529.2001, IDT)

GB/T 9969 General Instructions industrial products

GB/T 13384 mechanical and electrical products packaging General technical conditions

GB/T 17212 industrial process measurement and control - Terms and definitions (GB/T 17212-1998, idt IEC 60902. 1987)

JB/T 9329 Instrumentation transportation, storage and basic environmental conditions and test methods

3 Terms and Definitions

Terms and definitions GB/T 17212 established applicable to this section.

4 Products

4.1 according to type actuator output displacement category According to type actuator output displacement is divided into.

- a) intelligent electric rotary actuator;
- b) intelligent straight travel electric actuator;
- c) intelligent multi-turn electric actuators.

4.2 Classification according to the actuator control mode Press the actuator control mode is divided into.

- a) adjusting the intelligent electric actuator;
- b) switch intelligent electric actuators.

4.3 The type of protective classification by executing agency By executing agency protection type is divided into.