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

GB/T 19215.5-2023

**Cable trunking systems and cable ducting systems for electrical
installations - Part 2: Particular requirements - Section 3: Slotted cable
trunking systems intended for installation in cabinets**

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foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents"

drafting:

This document is part 5 of GB/T 19215 "Cable Ducting System for Electrical Installation":
GB/T 19215 has issued the following

part:

- Part 1: General requirements (GB/T 19215:1);
- Part 2: Special requirements Section 1: Cable duct systems for installation on walls or ceilings (GB/T 19215:2);
- Part 2: Special requirements Section 2: Cable duct systems installed under the floor and flush with the floor (GB/T 19215:3);
- Part 2: Special Requirements Section 3: Grooved Cable Trunking System Installed in Cabinets (GB/T 19215:5);

--- Part 2: Special requirements Section 4: Auxiliary end (GB/T 19215:4):

This document is modified to adopt IEC 61084-2-3:2017 "Cable duct system for electrical installation Part 2-3: Special requirements for installation in

Grooved Cable Tray Systems in Cabinets":

The technical differences between this document and IEC 61084-2-3:2017 and the reasons are as follows:

--- Replaced IEC 61084-1 with the normative reference GB/T 19215:1-2003 (see Chapter 3, Chapter 4, Chapter 6, Chapter 7,

Chapter 8, Chapter 10, Chapter 11 and Appendix A), the degree of consistency between the two documents is modified to adapt to my country's technical regulations

pieces to increase operability;

--- Replace IEC 60695-11-5:2004 with the normatively referenced GB/T 5169:5-2020, the degree of consistency between the two documents

To be equivalent, to adapt to the technical conditions of our country and increase operability (see 13:1:3);

--- Because GB/T 19215:1-2003 is modified to adopt IEC 61084-1:1991, but IEC 61084-2-3:2017 is based on IEC 61084-1:

Compiled in:2017, IEC 61084-1:2017 has made corresponding revisions relative to IEC 61084-1:1991: in this document

If the contents of GB/T 19215:1-2003 and IEC 61084-1:2017 are consistent, directly adopt GB/T 19215:1-2003

(see Chapter 3, Chapter 4, Chapter 6, Chapter 7, Chapter 8, Chapter 10, Chapter 11 and Appendix A); for GB/T 19215:1-2003

If the content is inconsistent with IEC 61084-1:2017 or the newly added clauses in IEC 61084-1:2017, IEC 61084-1:2017 shall be adopted

(See Chapter 6, Chapter 9, 10:3, Chapter 12, Chapter 13, Chapter 14, Chapter 15):

The following editorial changes have been made to this document:

---According to the relevant provisions of GB/T 1:1-2020, in Chapter 1 "Scope" added "This document specifies the

The technical requirements for the structure, mechanical properties, electrical properties, thermal properties, etc: of the cable trunking system";

--- Replaced ISO 2768-1:1989 with the informative referenced GB/T 1804-2000:

Please note that some contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents:

Introduction

GB/T 19215 aims to standardize the technical requirements for the structure, mechanical performance, electrical performance, thermal performance and other technical requirements of the cable duct system for electrical installation:

To ensure the safety and versatility of the product, it is proposed to be composed of the following parts:

--- Part 1: General requirements (GB/T 19215:1): Conductors, cables or cords intended to be established as electrical installations and/or their

The construction, mechanical properties, protection

Flame spread, electrical performance and other technical requirements:

--- Part 2: Special requirements Section 1: Cable duct systems for installation on walls or ceilings (GB/T 19215:2):

The purpose is to establish the structure, mechanical properties, flame spread resistance, electrical

Gas performance and other technical requirements:

--- Part 2: Special requirements Section 2: Cable duct systems installed under the floor and flush with the floor (GB/T 19215:3):

The purpose is to establish the structure, fire spread resistance, mechanical properties, external

Impact and other technical requirements:

--- Part 2: Special Requirements Section 3: Grooved cable duct system installed in the cabinet (GB/T 19215:5): The purpose is

It is used to establish the technical requirements of the structure, mechanical performance, electrical performance, thermal performance and other technical requirements of the grooved cable trunking system installed in the cabinet:

--- Part 2: Special requirements Section 4: Auxiliary end (GB/T 19215:4): The purpose is to establish the cable duct for electrical installation

The technical requirements for the structure, mechanical performance, flame spread prevention, electrical performance, external influence, etc: of the auxiliary end of the system:

This document, as part of the GB/T 19215 series, completes the product standard system

for cable duct systems for electrical installations: can pretend

Provide guidance for the production of the slotted cable slot system in the cabinet, improve the technical performance, safety and reliability of the product, and ensure the universality of the product

To ensure the safety of electricity consumption of the people:

Cable duct systems for electrical installations

Part 2: Special Requirements Section 3: Installed in

Grooved Cable Tray Systems in Cabinets

1 Scope

This document specifies the technical requirements for the structure, mechanical performance, electrical performance, thermal performance and other technical requirements of the grooved cable trunking system installed in the cabinet:

This document, as part of the GB/T 19215 series, specifies insulated conductors, cables for electrical installations and/or communication system installations

Requirements and tests for cable trays and conduit systems designed to isolate electrical equipment and, where necessary, electrically protect them from other possible electrical installations

test: These devices have a maximum voltage of 1000V (AC) and 1500V (DC):

The grooved cable duct system is installed in cabinets of electrical installations and/or communication system installations:

This document does not apply to conduit systems, cable tray systems, ladders (cable trays), power track systems or other national standards covered

equipment:

Note: The content of the cable duct system in GB/T 19215:1-2003 and IEC 61084-1:2017 cited in this document does not apply to this document:

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

this document: