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

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**Installation couplers intended for permanent connection in
fixed installations
(English Translation)**

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Mounting coupler

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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 replaces GB/T 32517-2016 "Mounted couplers for permanent connections in fixed installations".

Compared with 2016, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Changed the scope of application, added the maximum current of DC mounted coupler and mounted coupler, changed the maximum current of mounted coupler Applicable temperature range (see Chapter 1, Chapter 1 of the 2016 edition);
- Changed the definition of mounted coupler (see 3.5, 3.5 of the 2016 edition), changed the term terminal block to splitter (see 3.14, 3.10 of the 2016 edition), changed the definition of routine test (see 3.17, 3.13 of the 2016 edition), changed the definition of accessible Definition of (see 3.19, 3.15 of the 2016 edition), added definition of live parts (see 3.22);
- Changed the general description of the test conditions (see 5.1, 5.1 of the 2016 edition);
- Added the rated current type of the mounted coupler and the rated voltage of the mounted coupler in DC applications (see 6.1);
- Added test requirements for rated values (see 6.4);
- Added the classification of mounted couplers (see Chapter 7);
- Changed the requirements for marking and documentation of mounted couplers (see Chapter 8, Chapter 8 of the 2016 edition);
- Increased the connection capacity values of the terminals of the removable wired female and male connectors (see 11.2);
- Changed the test requirements for protection against harmful water ingress (see 13.3, 13.2 of the 2016 edition);
- Added the current for temperature rise test of mounted coupler (see Chapter 16);
- Changed the temperature requirements for the ball pressure test of other insulating material parts of the mounted coupler (see 21.3, 21.3 of the 2016 edition);
- Increased requirements for creepage distance, electrical clearance and through insulation distance (see Chapter 23);
- Added warning symbol requirements for DC applications (see Appendix E);

--- The test circuit for temperature rise test has been changed (see Appendix F, Appendix B of the 2016 edition).

This document is modified to adopt IEC 61535:2023 "Mounted couplers for permanent connections in fixed installations".

The technical differences between this document and IEC 61535:2023 and their reasons are as follows.

--- Added "This document specifies the classification, marking and documents, dimensions, structure and (see Chapter 1) to meet the requirements of GB/T 1.1-2020;

--- Added "After this test, the mark should still be clearly visible" (see 8.3) in the marking test to adapt to my country's technical conditions and increase the Operability;

--- Replaced IEC 60998-2-3 (see 11.1.2) with the normative reference GB/T 13140.4 to adapt to my country's technical conditions and added Operability;

--- The normative reference GB/T 4207 replaces IEC 60112 (see Chapter 24) to adapt to my country's technical conditions and increase operability Sex;

--- Replaced IEC 60695-2-11 (see 24.1) with the normative reference GB/T 5169.11 to adapt to my country's technical conditions, and added Operability.

The following editorial changes were made to this document.

---Replaced IEC 60417:2006 with the informative reference GB/T 5465.1-2009 to adapt to my country's technical conditions and increase the Operability;

---Replace IEC 60309 (all parts) with the informative reference GB/T 11918 (all parts) to adapt to my country's technical requirements parts, increasing operability;

---Replaced IEC 60320 (all parts) with the informative reference GB/T 17465 (all parts) to adapt to my country's technical requirements parts, increasing operability;

---Replaced IEC 61995 (all parts) with the informative reference GB/T 31463 (all parts) to adapt to my country's technical requirements parts, increasing operability;

---Replace IEC 60364 (all parts) with the informative reference GB/T 16895 (all parts) to adapt to my country's technical requirements parts, increasing operability;

--- Adjust the order of the appendices according to the order in which they appear in the main text to adapt to my country's technical conditions and increase operability;

--- Deleted the notes in Chapter 4 and 5.1 to adapt to my country's technical conditions and increase operability.