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Replacing GB/T 19214-2008

Electrical accessories - Residual current monitors (RCMs) - Part 1: RCMs for household and similar uses

电器附件 家用和类似用途剩余电流监视器

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting.

This document is Part 1 of GB/T 19214 "Residual Current Monitor (RCM) for Electrical Accessories". GB/T 19214 has been released the following sections are included.

---Part 1: Residual current monitors for household and similar purposes.

This document replaces GB/T 19214-2008 "Residual current monitors for electrical accessories for household and similar purposes". This document is related to Compared with GB/T 19214-2008, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

---Added the classification, action characteristics and verification requirements of Type F and Type B RCM (see 4.13, 5.2.6.3, 5.2.6.4 and 9.19.3);

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---In the action characteristics test, the requirement to conduct separate tests at the TN and TT positions is deleted (see 9.9.2, 9.9.4 and Figure 3).

This document is equivalent to IEC 62020-1:2020 "Residual current monitor (RCM) for electrical accessories - Part 1: Household and similar Purpose Residual Current Monitor".

This document has made the following minimal editorial changes.

---In the action characteristic test and in Figure 3, the TN and TT position descriptions missing from the original text have been deleted.

--- Add a note in 9.11.2.1 to give reference information for the silver wire diameter, tau't and taup values at 10000A.

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Introduction

Residual current monitors are used to monitor residual current in installations and are generated between live parts and exposed conductive parts or ground.

An electrical appliance that sends an alarm signal when the residual current exceeds a predetermined value. GB/T 19214 "Residual Current Monitor (RCM) for Electrical Accessories" refers to A series of standards for residual current monitor products is planned to consist of 2 parts.

---Part 1: Residual current monitors for household and similar purposes. The purpose is to specify the performance of RCM for household and similar purposes requirements and test methods and other product-related requirements.

---Part 2: Residual current monitors for industrial use up to 1000VAC. The purpose is to provide for industrial use of RCM Product-related requirements such as performance requirements and test methods.

Electrical accessories residual current monitor (RCM) Part 1: Household and similar use surplus Current monitor

1 Scope

This document applies to residual current for household and similar purposes with a rated voltage not exceeding AC 440V and a rated current not exceeding 125A.

monitor.

This document specifies the classification, characteristics, technical requirements and testing of RCM.

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