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

GB/T 47676-2026

**Rotating electrical machines - Test methods and apparatus for
the measurement of the operational characteristics of brushes**

旋转电机 用于测量电刷运行性能的试验方法和设备

(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".

This document adopts IEC 60773:2021 "Rotating electrical machines - Test methods and apparatus for measuring the performance of brushes".

1 Scope

This document applies to the measurement of the operating performance of brushes designed to operate on commutators and slip rings under specified test conditions. Verification method.

By extension, some of these tests may also apply to other types of sliding electrical contacts in electrical equipment.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

IEC 60034-19:2014 Rotating electrical machines - Part 19: Test methods for DC motors powered by conventional power supplies and rectifiers (Rotary-fed supplies)

Note: GB/T 20114-2019 Special test methods for DC motors powered by ordinary or rectified power supplies (IEC 60034-19:2014, IDT)

IEC 60136 Dimensions, marking and testing of carbon brushes for electrical use and dimensions of brush holders.

IEC 60276:2018 Terms and definitions for carbon brushes, brush holders, commutators and slip rings.

IEC 60584-1:2013 Thermocouples - Part 1: EMF specifications and tolerances

ISO 3274:1996 Product Geometry Specification (GPS) Surface Texture. Nominal Characteristics of Profile-Based Contact (Stylus) Instruments

Note: GB/T 6062-2009 Product Geometric Specification (GPS) - Nominal Characteristics of Contact (Stimulus) Instruments Using Surface Structure Profile Method

ISO 15510:2014 Chemical composition of stainless steel