

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Railway applications – Current collection systems – Pantographs, testing methods for contact strips

Applications ferroviaires – Systèmes de captage de courant – Méthodes d'essai des bandes de frottement des pantographes





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IEC 62499

Edition 2.0 2021-12

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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 45.060.01

ISBN 978-2-8322-1060-0

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**RAILWAY APPLICATIONS – CURRENT COLLECTION SYSTEMS –
PANTOGRAPHS, TESTING METHODS FOR CONTACT STRIPS**

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It is based on EN 50405:2015.

This second edition cancels and replaces the first edition published in 2008. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) Title modified;
- b) The scope of this standard is changed from carbon contact strips to contact strips;
- c) Replacement of several reference standards;
- d) Several terms and abbreviated terms are introduced;
 - The definitions of metalized contact strip and metal contact strip are introduced according to the metal or carbon content by weight;
 - The definitions of contact strip structures and types are introduced;

- e) Requirements for data sheets are introduced;
- f) Table 1: Schedule of tests and Table 2: Sequence of tests are introduced;
- g) The requirements for certain test methods and test acceptance criteria are updated;
- h) Test of metal content for metalized contact strip, test of the coefficient of friction, optional test of the impact resistance of the carbon material and optional test of wear properties are added;
- i) Annex A and Annex B are introduced.

The text of this International Standard is based on the following documents:

Draft	Report on voting
9/2762/FDIS	9/2773/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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