

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Railway applications – Fixed installations – Particular requirements for AC  
switchgear –  
Part 2: Disconnectors, earthing switches and switches with nominal voltage  
above 1 kV**

**Applications ferroviaires – Installations fixes – Exigences particulières pour  
appareillage à courant alternatif –  
Partie 2: Sectionneurs, sectionneurs de terre et commutateurs avec tension  
nominale supérieure à 1 kV**





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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**RAILWAY APPLICATIONS – FIXED INSTALLATIONS –  
PARTICULAR REQUIREMENTS FOR AC SWITCHGEAR –****Part 2: Disconnectors, earthing switches and  
switches with nominal voltage above 1 kV**

## FOREWORD

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International Standard IEC 62505-2 has been prepared by IEC technical committee 9: Electrical equipment and systems for railways.

This standard is based on EN 50152-2.

This second edition cancels and replaces the first edition issued in 2009. It constitutes a technical revision.

The main technical changes with regard to the previous edition are as follows:

This standard was revised to reflect the latest versions of standards referenced and to remove text already included in the IEC 62271 series. The scope was extended to include single-phase and two-phase devices. Definitions were added to provide the necessary precision and to meet the needs of railway applications. Table 1 was reworked according to the changes of

IEC 62497-1:2010, Table A.2 and Table B.1. Table 2 'Coordination table of rated values for devices' of the previous version was removed. Ratings previously given under the clause 'type tests' were moved to the new Table 2 'Mechanical endurance classes and recommended use'. Requirements for combined equipment were added to provide guidance if components of different manufacturers are used in one switching device.

The text of this standard is based on the following documents:

FDIS	Report on voting
9/2098/FDIS	9/2134/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of IEC 62505 series, under the general title *Railway applications – Fixed installations – Particular requirements for a.c. switchgear*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.