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Railway applications – Electronic power converters for fixed installations – Part 1: General requirements

**Applications ferroviaires – Convertisseurs électroniques de puissance pour installations fixes –
Partie 1: Exigences générales**

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RAILWAY APPLICATIONS – ELECTRONIC POWER CONVERTERS FOR FIXED INSTALLATIONS –

Part 1: General requirements

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This document, in conjunction with the other parts of IEC 62590, cancels and replaces IEC 62589:2010 and the former IEC 62590:2019.

This document includes the following significant technical changes with respect to IEC 62589:2010 and the former IEC 62590:2019:

a) Split into common requirements and special requirements for different converters;
b) Interface Model for the different systems connected;
c) Split into circuits with their requirements like insulation coordination;
d) Energy efficiency addressed.

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

Draft	Report on voting
9/3160/FDIS	9/3206/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/publications.

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Future documents in this series will carry the new general title as cited above. Titles of existing documents in this series will be updated at the time of the next edition.

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

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