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IEC 61992-6

Edition 1.2 2020-05
CONSOLIDATED VERSION

INTERNATIONAL STANDARD



**Railway applications – Fixed installations – DC switchgear –
Part 6: DC switchgear assemblies**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 45.060.01

ISBN 978-2-8322-8411-7

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REDLINE VERSION



Railway applications – Fixed installations – DC switchgear – Part 6: DC switchgear assemblies



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**RAILWAY APPLICATIONS –
FIXED INSTALLATIONS –
DC SWITCHGEAR –**

Part 6: DC switchgear assemblies

FOREWORD

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In this Redline version, a vertical line in the margin shows where the technical content is modified by amendments 1 and 2. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

IEC 61992-6:2006+AMD1:2014 – 5 –
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International Standard IEC 61992-6 has been prepared by IEC technical committee 9: Electrical equipment and systems for railways.

IEC 61992 consists of the following parts, under the general title *Railway applications – Fixed installations – DC switchgear*:

- Part 1: General
- Part 2: D.C. circuit breakers
- Part 3: Indoor d.c. disconnectors, switch-disconnectors and earthing switches
- Part 4: Outdoor d.c. disconnectors, switch-disconnectors and earthing switches
- Part 5: Surge arresters and low-voltage limiters for specific use in d.c. systems
- Part 6: D.C. switchgear assemblies
- Part 7-1: Measurement, control and protection devices for specific use in d.c. traction systems – Application guide
- Part 7-2: Measurement, control and protection devices for specific use in d.c. traction systems – Isolating current transducers and other current measuring devices
- Part 7-3: Measurement, control and protection devices for specific use in d.c. traction systems – Isolating voltage transducers and other voltage measuring devices

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RAILWAY APPLICATIONS – FIXED INSTALLATIONS – DC SWITCHGEAR –

Part 6: DC switchgear assemblies

1 Scope

This part of IEC 61992 covers d.c. metal-enclosed and non-metallic enclosed switchgear assemblies used in indoor stationary installations of traction systems, with nominal voltage not exceeding 3 000 V.

It is intended that individual items of equipment, for example circuit breakers, housed in the assembly are designed, manufactured and individually tested (simulating the enclosure when necessary) in accordance with their respective parts of IEC 61992 or, when appropriate, with another applicable standard.

NOTE 1 The requirements covered in this part of IEC 61992 are those concerning the assembly as such, its enclosure and the mutual influence of the equipment enclosed.

NOTE 2 EMC requirements are covered by IEC 62236-5 and additional requirements concerning dependability (RAMS) are covered by IEC 62278.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60243-1:1998, *Electrical strength of insulating materials – Test methods – Part 1: Tests at power frequencies*

IEC 60529:1989, *Degrees of protection provided by enclosures (IP Code)*

IEC 61992-1:2006+A1:2014, *Railway applications – Fixed installations – DC switchgear – Part 1: General*

IEC 61992-2:2006+A1:2014, *Railway applications – Fixed installations – DC switchgear – Part 2: DC circuit-breakers*

IEC 61992-3:2006, *Railway applications – Fixed installations – DC switchgear – Part 3: Indoor d.c. disconnectors, switch-disconnectors and earthing switches*

FINAL VERSION

Railway applications – Fixed installations – DC switchgear – Part 6: DC switchgear assemblies



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