

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**High-voltage switchgear and controlgear –
Part 211: Direct connection between power transformers and gas-insulated
metal-enclosed switchgear for rated voltages above 52 kV**

**Appareillage à haute tension –
Partie 211: Raccordements directs entre transformateurs de puissance et
appareillage sous enveloppe métallique à isolation gazeuse de tensions
assignées supérieures à 52 kV**





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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HIGH-VOLTAGE SWITCHGEAR AND CONTROLGEAR –

Part 211: Direct connection between power transformers and gas-insulated metal-enclosed switchgear for rated voltages above 52 kV

FOREWORD

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International Standard IEC 62271-211 has been prepared by subcommittee 17C: High-voltage switchgear and controlgear assemblies, of IEC technical committee 17: Switchgear and controlgear.

This first edition cancels and replaces the first edition of IEC/TR 61639:1996 and constitutes a technical revision.

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

- a) transfer from technical report to international standard;
- b) the minimum voltage rating was changed from 72,5 kV to above 52 kV;
- c) update of normative references;
- d) definition of insulated junction including limit of supply;

- e) definition of dielectric test of gas-insulated metal-enclosed switchgear for transformer connection in a three phase enclosure;
- f) addition of interface tolerances at transformer side;
- g) addition of transformer tolerances in service;
- h) addition of exceptional loads for bushings and flanges;
- i) consideration of oil- and gas-insulated transformers;
- j) inclusion of three-phase enclosed direct connections.

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

FDIS	Report on voting
17C/596/FDIS	17C/600/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 in the IEC 62271 series, published under the general title *High-voltage switchgear and controlgear*, 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 web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
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- replaced by a revised edition, or
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The contents of the corrigendum 1 of August 2015 and corrigendum 2 of August 2017 have been included in this copy.