

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



HORIZONTAL PUBLICATION  
PUBLICATION HORIZONTALE

**Insulation co-ordination –  
Part 2: Application guidelines**

**Coordination de l'isolement –  
Partie 2: Lignes directrices en matière d'application**





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IEC 60071-2

Edition 5.0 2023-05

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INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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ELECTROTECHNIQUE  
INTERNATIONALE

ICS 29.080.30

ISBN 978-2-8322-6988-6

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**INSULATION CO-ORDINATION –****Part 2: Application guidelines****FOREWORD**

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IEC 60071-2 has been prepared by IEC technical committee 99: Insulation co-ordination and system engineering of high voltage electrical power installations above 1,0 kV AC and 1,5 kV DC. It is an International Standard.

This fifth edition cancels and replaces the fourth edition published in 2018. This edition constitutes a technical revision.

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

- a) Clause 4 Concepts governing the insulation co-ordination has been added.
- b) Subclause 5.3 has been revised, and Subclause 5.4 Detailed simulation has been added because it is widely applied in the recent practices of insulation coordination.
- c) Special considerations for cable line and GIL/GIB have been added in Clause 9.
- d) Annex K (informative) Application of line shunt reactor to limitation of TOV and SFO in high voltage overhead transmission lines has been added.

- e) Annex L (informative) Calculation of lightning stroke rate and lightning outage rate has been added.

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

Draft	Report on voting
99/356/CDV	99/392/RVC

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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

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