SLOVENSKI STANDARD
SIST EN IEC 60071-2:2023

01-september-2023

Koordinacija izolacije - 2. del: Smernice za uporabo (predlagan horizontalni standard)

Insulation co-ordination - Part 2: Application guidelines (Proposed horizontal standard)

Isolationskoordination – Teil 2: Anwendungsrichtlinie

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

Ta slovenski standard je istoveten z: **EN IEC 60071-2:2023**

ICS:

29.080.01	Električna izolacija na splošno	Electrical insulation in general

SIST EN IEC 60071-2:2023 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 60071-2

June 2023

ICS 29.080.30

Supersedes EN IEC 60071-2:2018

English Version

Insulation co-ordination - Part 2: Application guidelines (IEC 60071-2:2023)

Coordination de l'isolement - Partie 2: Lignes directrices en matière d'application (IEC 60071-2:2023)

Isolationskoordination - Teil 2: Anwendungsrichtlinie (IEC 60071-2:2023)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 60071-2:2023 E

European foreword

The text of document 99/356/CDV, future edition 5 of IEC 60071-2, prepared by IEC/TC 99 "Insulation co-ordination and system engineering of high voltage electrical power installations above 1,0 kV AC and 1,5 kV DC" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60071-2:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2024-03-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-06-28

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The text of the International Standard IEC 60071-2:2023 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 60099-4:2014	NOTE	Approved as EN 60099-4:2014 (not modified)
IEC 60099-5	NOTE	Approved as EN IEC 60099-5
IEC 60099-8	NOTE	Approved as EN IEC 60099-8
IEC 60507	NOTE	Approved as EN 60507
IEC 62271-1:2017	NOTE	Approved as EN 62271-1:2017 (not modified)
IEC 62271-100:2008	NOTE	Approved as EN 62271-100:2009 (not modified)
IEC 60721-2-3:2013	NOTE	Approved as EN 60721-2-3:2014 (not modified)

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60060-1	2010	High-voltage test techniques - Part 1: General definitions and test requirements	EN 60060-1	2010
IEC 60071-1	2019	Insulation co-ordination - Part 1: Definitions, principles and rules	EN IEC 60071-1	2019
IEC 60505	2011	Evaluation and qualification of electrical insulation systems	EN 60505	2011
IEC/TS 60815-1	2008	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 1: Definitions, information and general principles	-	-
IEC/TR 60071-4	2004	Insulation co-ordination - Part 4: Computational guide to insulation co-ordination and modelling of electrical networks	-	-

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colour inside

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

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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.