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**Votli kompozitni podporni izolatorji za postaje z izmeničnimi napetostmi, višjimi od 1000 V, in enosmernimi napetostmi, višjimi od 1500 V - Definicije, preskusne metode in merila sprejemljivosti (IEC 62772:2023)**

Composite hollow core station post insulators with a.c. voltage greater than 1 000 V and d.c. voltage greater than 1 500 V - Definitions, test methods and acceptance criteria (IEC 62772:2023)

Hohlkern-Verbundstützisolatoren für Schaltanlagen mit einer Wechselspannung über 1 000 V und einer Gleichspannung über 1 500 V - Begriffe, Prüfverfahren und Annahmekriterien (IEC 62772:2023)

Isolateurs supports composites creux présentant une tension alternative supérieure à 1 000 V et une tension continue supérieure à 1 500 V - Définitions, méthodes d'essai et critères d'acceptation (IEC 62772:2023)

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**Ta slovenski standard je istoveten z: EN IEC 62772:2023**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN IEC 62772**

December 2023

ICS 29.080.10

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English Version

**Composite hollow core station post insulators with a.c. voltage  
greater than 1 000 V and d.c. voltage greater than 1 500 V -  
Definitions, test methods and acceptance criteria  
(IEC 62772:2023)**

Isolateurs supports composites creux présentant une  
tension alternative supérieure à 1 000 V et une tension  
continue supérieure à 1 500 V - Définitions, méthodes  
d'essai et critères d'acceptation  
(IEC 62772:2023)

Hohlkern-Verbundstützisolatoren für Schaltanlagen mit  
einer Wechselspannung über 1 000 V und einer  
Gleichspannung über 1 500 V - Begriffe, Prüfverfahren und  
Annahmekriterien  
(IEC 62772:2023)

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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**

**EN IEC 62772:2023 (E)****European foreword**

The text of document 36/569/FDIS, future edition 2 of IEC 62772, prepared by IEC/TC 36 "Insulators" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62772:2023.

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) 2024-09-20
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-12-20

This document supersedes EN 62772:2016 and all of its amendments and corrigenda (if any).

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

IEC 60068-2-17 NOTE Approved as EN IEC 60068-2-17

IEC 62155 NOTE Approved as EN 62155

ISO 1101 NOTE Approved as EN ISO 1101

IEC 60060-1 NOTE Approved as EN 60060-1

## 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](http://www.cencenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60168	-	Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1 000 V	EN 60168	-
IEC 61109	-	Insulators for overhead lines - Composite suspension and tension insulators for a.c. systems with a nominal voltage greater than 1 000 V - Definitions, test methods and acceptance criteria	EN 61109	-
IEC 61462	-	Composite hollow insulators - Pressurized and unpressurized insulators for use in electrical equipment with AC rated voltage greater than 1 000 V AC and D.C. voltage greater than 1500V - Definitions, test methods, acceptance criteria and design recommendations	EN IEC 61462	-
IEC 62217	-	Polymeric HV insulators for indoor and outdoor use - General definitions, test methods and acceptance criteria	EN 62217	-
IEC 62231	2006	Composite station post insulators for substations with a.c. voltages greater than 1 000 V up to 245 kV - Definitions, test methods and acceptance criteria	EN 62231	2006
IEC/TR 62039	-	Selection guidelines for polymeric materials for outdoor use under HV stress	-	-





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Edition 2.0 2023-11

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Composite hollow core station post insulators with a.c. voltage greater than 1 000 V and d.c. voltage greater than 1 500 V – Definitions, test methods and acceptance criteria**

**Isolateurs supports composites creux présentant une tension alternative supérieure à 1 000 V et une tension continue supérieure à 1 500 V – Définitions, méthodes d'essai et critères d'acceptation**

[SIST EN IEC 62772:2024](https://standards.iteh.ai/catalog/standards/sist/a5ea7f47-9079-42f3-9ddf-94f082b805ed/sist-en-iec-62772-2024)

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**COMPOSITE HOLLOW CORE STATION POST  
INSULATORS WITH AC VOLTAGE GREATER THAN  
1 000 V AND DC VOLTAGE GREATER THAN 1 500 V –  
DEFINITIONS, TEST METHODS AND ACCEPTANCE CRITERIA****FOREWORD**

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IEC 62772 has been prepared by IEC technical committee 36: Insulators. It is an International Standard.

This second edition cancels and replaces the first edition published in 2016. This edition constitutes a technical revision.

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

- a) modifications of terms and definitions;
- b) modifications of tests procedures included in IEC TR 62039 and IEC 62217 (Hydrophobicity transfer test; Water diffusion test on the core with housing);
- c) harmonization of Table 1 (Required design and type tests) with other product standards;
- d) update of Annex A (Qualification of fillers);
- e) addition of a new informative Annex B (Load definitions, relationship of loads).

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

Draft	Report on voting
36/569/FDIS	36/587/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](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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