SLOVENSKI STANDARD
SIST EN IEC 60947-7-1:2025

01-september-2025

Nizkonapetostne stikalne in krmilne naprave - 7-1. del: Pomožna oprema - Priključni bloki za bakrene vodnike (IEC 60947-7-1:2025)

Low-voltage switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors (IEC 60947-7-1:2025)

Niederspannungsschaltgeräte - Teil 7-1: Hilfseinrichtungen - Reihenklemmen für Kupferleiter (IEC 60947-7-1:2025)

Appareillage à basse tension - Partie 7-1: Matériels accessoires - Blocs de jonction pour conducteurs en cuivre (IEC 60947-7-1:2025)

Ta slovenski standard je istoveten z: **EN IEC 60947-7-1:2025**

ICS:

29.120.99	Druga električna dodatna oprema	Other electrical accessories
29.130.20	Nizkonapetostne stikalne in krmilne naprave	Low voltage switchgear and controlgear

SIST EN IEC 60947-7-1:2025 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 60947-7-1

June 2025

ICS 29.130.20

Supersedes EN 60947-7-1:2009

English Version

Low-voltage switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors (IEC 60947-7-1:2025)

Appareillage à basse tension - Partie 7-1: Matériels accessoires - Blocs de jonction pour conducteurs en cuivre (IEC 60947-7-1:2025)

Niederspannungsschaltgeräte - Teil 7-1: Hilfseinrichtungen - Reihenklemmen für Kupferleiter (IEC 60947-7-1:2025)

This European Standard was approved by CENELEC on 2025-05-20. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

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 60947-7-1:2025 E

European foreword

The text of document 121A/646/FDIS, future edition 4 of IEC 60947-7-1, prepared by SC 121A "Low-voltage switchgear and controlgear" of IEC/TC 121 "Switchgear and controlgear and their assemblies for low voltage" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60947-7-1:2025.

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) 2026-06-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2028-06-30

This document supersedes EN 60947-7-1:2009 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document is read in conjunction with EN IEC 60947-1:2021.

This document has been prepared under a standardization request addressed to CENELEC by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZZ, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 60947-7-1:2025 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 60228:2023	NOTE	Approved as EN IEC 60228:2024 (not modified)
IEC 60352-4:2020	NOTE	Approved as EN IEC 60352-4:2020 (not modified)
IEC 60715	NOTE	Approved as EN 60715

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 60068-2-1	2007	Environmental testing - Part 2-1: Tests - Test A: Cold	EN 60068-2-1	2007
IEC 60068-2-2	2007	Environmental testing - Part 2-2: Tests - Test B: Dry heat	EN 60068-2-2	2007
IEC 60695-11-5	2016	Fire hazard testing – Part 11-5: Test flames – Needle-flame test method – Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	2017
IEC 60947-1	2020	Low-voltage switchgear and controlgear Part 1: General rules	EN IEC 60947-1 +AC +AC	2021 2023 2024
ISO 4046-4	2016	Paper, board, pulps and related terms — Vocabulary — Part 4: Paper and board grades and converted products	–	–

Annex ZZ
(informative)

Relationship between this European standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered

This European Standard has been prepared under a Commission's standardization request relating to harmonized standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

Table ZZ.1 — Correspondence between this European standard and Annex I of Directive 2014/35/EU [2014 OJ L96]

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
1 a) The essential characteristics, the recognition and observance of which will ensure that electrical equipment will be used safely and in applications for which it was made, shall be marked on the electrical equipment, or, if this is not possible, on an accompanying document.	6.1, 8.1.4, Annex D.6	* Subclause 6.1.1 is to be excluded, because is already covered by LVD
1 b) the electrical equipment, together with its component parts, shall be made in such a way as to ensure that it can be safely and properly assembled and connected.	6.1, 6.2, 7, 8.1, Annex D.6, D.7 and D.8.1	
1 c) The electrical equipment shall be so designed and manufactured as to ensure that protection against the hazards set out in points 2 and 3 is assured, providing that the equipment is used in applications for which it was made and is adequately maintained.	1 2nd para *, 8.2, 8.3, and Annex D.1, D.8.2, D.8.3 and D.8.4	

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
2 a) Measures of a technical nature shall be laid down in accordance with point 1, in order to ensure that persons and domestic animals are adequately protected against the danger of physical injury or other harm which might be caused by direct or indirect contact.	1 2nd para and Annex D.1	
2 b) Measures of a technical nature shall be laid down in accordance with point 1, in order to ensure that temperatures, arcs or radiation which would cause a danger, are not produced.	8.2.1, 8.1.5, 9.4.5, 9.5 and Annex D.8.2.1, D.9.4.5, D.9.5	
2 c) Measures of a technical nature shall be laid down in accordance with point 1, in order to ensure that persons, domestic animals and property are adequately protected against non-electrical dangers caused by the electrical equipment which are revealed by experience.	1 2nd para and Annex D.1	
2 d) Measures of a technical nature shall be laid down in accordance with point 1, in order to ensure that the insulation is suitable for foreseeable conditions.	8.1.3, 8.2.2, 9.4.2, 9.4.3 and Annex D.8.1.3, D.8.2.2, D.9.4.2, D.9.4.3	
3 a) Technical measures shall be laid down in accordance with point 1, in order to ensure that the electrical equipment meets the expected mechanical requirements in such a way that persons, domestic animals and property are not endangered.	1 2nd para and Annex D.1	
3 b) Technical measures shall be laid down in accordance with point 1, in order to ensure that the electrical equipment is resistant to non-mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered.	1 2nd para and Annex D.1	