



SLOVENSKI STANDARD

SIST EN IEC 60947-4-1:2025

01-november-2025

Nadomešča:

SIST EN IEC 60947-4-1:2019

SIST EN IEC 60947-4-1:2019/AC:2020

SIST EN IEC 60947-4-1:2019/AC:2021

Nizkonapetostne stikalne in krmilne naprave - 4-1. del: Kontaktorji in motorski zaganjalniki - Elektromehanski kontaktorji in motorski zaganjalniki (IEC 60947-4-1:2023)

Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters (IEC 60947-4-1:2023)

Niederspannungsschaltgeräte - Teil 4-1: Schütze und Motorstarter - Elektromechanische Schütze und Motorstarter (IEC 60947-4-1:2023)

Appareillage à basse tension - Partie 4-1: Contacteurs et démarreurs de moteurs
Contacteurs et démarreurs électromécaniques (IEC 60947-4-1:2023)

Ta slovenski standard je istoveten z: EN IEC 60947-4-1:2025

ICS:

29.130.20	Nizkonapetostne stikalne in krmilne naprave	Low voltage switchgear and controlgear
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SIST EN IEC 60947-4-1:2025

en

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 60947-4-1

September 2025

ICS 29.120.99; 29.130.20

Supersedes EN IEC 60947-4-1:2019; EN IEC 60947-4-1:2019/AC:2020-05; EN IEC 60947-4-1:2019/AC:2021-04

English Version

**Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters
(IEC 60947-4-1:2023)**

Appareillage à basse tension - Partie 4-1: Contacteurs et démarreurs de moteurs - Contacteurs et démarreurs électromécaniques
(IEC 60947-4-1:2023)

Niederspannungsschaltgeräte - Teil 4-1: Schütze und Motorstarter - Elektromechanische Schütze und Motorstarter
(IEC 60947-4-1:2023)

This European Standard was approved by CENELEC on 2023-12-13. 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

EN IEC 60947-4-1:2025 (E)**European foreword**

The text of document 121A/571/FDIS, future edition 5 of IEC 60947-4-1, 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 60947-4-1:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2026-09-30 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2028-09-30 document have to be withdrawn

This document supersedes EN IEC 60947-4-1:2019 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.

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.

(https://standards.iteh.ai)
Endorsement notice
Document Preview

The text of the International Standard IEC 60947-4-1:2023 was approved by CENELEC as a European Standard without any modification.

<https://standards.iteh.ai/catalog/standards/sist/73d27887-a8b5-4e7b-80cb-b852fbb318fe/sist-en-iec-60947-4-1-2025>

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

IEC 60068-2-2:2007	NOTE	Approved as EN 60068-2-2:2007 (not modified)
IEC 60072-1:2022	NOTE	Approved as EN IEC 60072-1:2022 (not modified)
IEC 60079 series	NOTE	Approved as EN IEC 60079 series
IEC 60079-7	NOTE	Approved as EN 60079-7
IEC 60079-29-3:2014	NOTE	Approved as EN 60079-29-3:2014 (not modified)
IEC 60204-1	NOTE	Approved as EN 60204-1
IEC 60269-1:2006	NOTE	Approved as EN 60269-1:2007 (not modified)
IEC 60269-2:2013	NOTE	Approved as HD 60269-2:2013
IEC 60384-17:2019	NOTE	Approved as EN IEC 60384-17:2019 (not modified)
IEC 60664-1:2020	NOTE	Approved as EN IEC 60664-1:2020 (not modified)
IEC 60721-3-3	NOTE	Approved as EN IEC 60721-3-3
IEC 60812:2018	NOTE	Approved as EN IEC 60812:2018 (not modified)

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IEC 60947-3:2020	NOTE	Approved as EN IEC 60947-3:2021 (not modified)
IEC 60947-4-2	NOTE	Approved as EN IEC 60947-4-2
IEC 60947-6-2	NOTE	Approved as EN IEC 60947-6-2
IEC 60947-8	NOTE	Approved as EN IEC 60947-8
IEC 60990:2016	NOTE	Approved as EN 60990:2016 (not modified)
IEC 61000-6-5	NOTE	Approved as EN 61000-6-5
IEC 61032	NOTE	Approved as EN 61032
IEC 61508-2	NOTE	Approved as EN 61508-2
IEC 61508-3	NOTE	Approved as EN 61508-3
IEC 61508-4:2010	NOTE	Approved as EN 61508-4:2010 (not modified)
IEC 61508-6:2010	NOTE	Approved as EN 61508-6:2010 (not modified)
IEC 61557-12:2018	NOTE	Approved as EN IEC 61557-12:2022 (not modified)
IEC 61557-12:2018/A1:2021	NOTE	Approved as EN IEC 61557-12:2022/A1:2022 (not modified)
IEC 61649	NOTE	Approved as EN 61649
IEC 61915-2:2011	NOTE	Approved as EN 61915-2:2012 (not modified)
IEC 62061	NOTE	Approved as EN IEC 62061
IEC 62443 series	NOTE	Approved as EN IEC 62443 series
IEC 62477-1:2022	NOTE	Approved as EN IEC 62477-1:2023 (not modified)
IEC 62683-1	NOTE	Approved as EN 62683-1
IEC 63365	NOTE	Approved as EN IEC 63365
IEC 63404	NOTE	Approved as EN IEC 63404
ISO/IEC 80079-34	NOTE	Approved as EN ISO/IEC 80079-34

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.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60034-1	2022	Rotating electrical machines - Part 1: Rating and performance	-	-
IEC 60034-12	2016	Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors	EN 60034-12	2017
IEC 60034-30-1	2014	Rotating electrical machines - Part 30-1: Efficiency classes of line operated AC motors (IE code)	EN 60034-30-1	2014
IEC 60068-2-14	2023	Environmental testing - Part 2-14: Tests - Test N: Change of temperature	EN IEC 60068-2-14	2023
IEC 60079-14	-	Explosive atmospheres - Part 14: Electrical installation design, selection and installation of equipment, including initial inspection	EN IEC 60079-14	-
IEC 60085	2007	Electrical insulation - Thermal evaluation and designation	EN 60085	2008
IEC 60364-1 (mod)	2005	Low-voltage electrical installations - Part 1: Fundamental principles, assessment of general characteristics, definitions	HD 60364-1	2008
-	-		+ A11	2017
IEC 60715	2017	Dimensions of low-voltage switchgear and controlgear - Standardized mounting on rails for mechanical support of switchgear, controlgear and accessories	EN 60715	2017
IEC 60730-1	-	Automatic electrical controls - Part 1: General requirements	EN IEC 60730-1	-
IEC 60947-1	2020	Low-voltage switchgear and controlgear - Part 1: General rules	EN IEC 60947-1	2021
IEC 60947-2	2016	Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	EN 60947-2	2017

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60947-5-1	2016	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices	EN 60947-5-1	2017
IEC 61051-2	-	Varistors for use in electronic equipment - Part 2: Sectional specification for surge suppression varistors	EN IEC 61051-2	-
IEC 61095	2023	Electromechanical contactors for household and similar purposes	EN IEC 61095	2025
IEC 61140	2016	Protection against electric shock - Common aspects for installation and equipment	EN 61140	2016
IEC 61439	series	Low-voltage switchgear and controlgear assemblies	EN IEC 61439	series
IEC 61643-331	-	Components for low-voltage surge protection - Part 331: Performance requirements and test methods for metal oxide varistors (MOV)	EN IEC 61643-331	-
IEC 61800-5-1	2022	Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy	EN IEC 61800-5-1	2023
IEC 61810-1	-	Electromechanical elementary relays - Part 1: General and safety requirements	EN 61810-1	-
IEC/TS 63058	-	Switchgear and controlgear and their assemblies for low voltage - Environmental aspects	-	-
IEC/TS 63208	-	Low-voltage switchgear and controlgear - Security aspects	-	-
IEC/TR 63216	2019	Low-voltage switchgear and controlgear - Electromagnetic compatibility assessment for switchgear and controlgear and their assemblies	CLC IEC/TR 63216	2020
CISPR 11 (mod)	2015	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement	EN 55011	2016
+ A1	2016		+ A1	2017
-	-		+ A11	2020
+ A2	2019		+ A2	2021
ISO 2859-1	-	Sampling procedures for inspection by attributes - Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection	-	-
ISO 3864-2	-	Graphical symbols - Safety colours and safety signs - Part 2: Design principles for product safety labels	-	-