SLOVENSKI STANDARD
SIST EN IEC 61439-4:2026

01-december-2026

Nadomešča:
SIST EN 61439-4:2013

Sestavi nizkonapetostnih stikalnih in krmilnih naprav - 4. del: Posebne zahteve za sestave na gradbiščih (ACS) (IEC 61439-4:2023)

Low-voltage switchgear and controlgear assemblies - Part 4: Particular requirements for assemblies for construction sites (ACS) (IEC 61439-4:2023)

Niederspannungs-Schaltgerätekombinationen - Teil 4: Besondere Anforderungen für Baustromverteiler (BV) (IEC 61439-4:2023)

Ensembles d'appareillage à basse tension - Partie 4: Exigences particulières pour ensembles de chantiers (EC) (IEC 61439-4:2023)

Sample Document
get full document from standards.iteh.ai

Ta slovenski standard je istoveten z: **EN IEC 61439-4:2026**

ICS:

29.130.20	Nizkonapetostne stikalne in krmilne naprave	Low voltage switchgear and controlgear
91.200	Gradbena tehnologija	Construction technology

SIST EN IEC 61439-4:2026 **en**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

Sample Document

get full document from standards.iteh.ai

SIST EN IEC 61439-4:2026

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 61439-4

October 2026

ICS 29.130.20

Supersedes EN 61439-4:2013

English Version

Low-voltage switchgear and controlgear assemblies - Part 4: Particular requirements for assemblies for construction sites (ACS) (IEC 61439-4:2023)

Ensembles d'appareillage à basse tension - Partie 4 : Exigences particulières pour ensembles de chantiers (EC) (IEC 61439-4:2023)

Niederspannungs-Schaltgerätekombinationen - Teil 4: Besondere Anforderungen für Baustromverteiler (BV) (IEC 61439-4:2023)

This European Standard was approved by CENELEC on 2024-10-16. 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.

Sample Document

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.

get full document from standards.iteh.ai

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

© 2026 CENELEC All rights of exploitation in any form and by any means reserved worldwide for CENELEC Members.

Ref. No. EN IEC 61439-4:2026 E

SIST EN IEC 61439-4:2026 • https://standards.iteh.ai/catalog/standards/sist/517668e2-5f19-4625-8de9-0e5421e111c4/sist-en-iec-61439-4-2026

SIST EN IEC 61439-4:2026

European foreword

The text of document 121B/183/FDIS, future edition 2 of IEC 61439-4, prepared by SC 121B "Low-voltage switchgear and controlgear assemblies" 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 61439-4:2026.

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) 2027-10-31
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2029-10-31

This document supersedes EN 61439-4:2013 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 61439-1:2021[1].

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.

Sample Document

Endorsement notice

get full document from standards.iteh.ai

The text of the International Standard IEC 61439-4:2023 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 60309-1	NOTE	Approved as EN IEC 60309-1
IEC 60309-2	NOTE	Approved as EN IEC 60309-2
IEC 60364 series	NOTE	Approved as HD 60364 series

[1] As impacted by EN IEC 61439-1:2021/AC:2022-01 and EN IEC 61439-1:2021/AC:2023-11.

SIST EN IEC 61439-4:2026 • https://standards.iteh.ai/catalog/standards/sist/517668e2-5f19-4625-8de9-0e5421e111c4/sist-en-iec-61439-4-2026

SIST EN IEC 61439-4:2026

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.

Annex ZA of EN IEC 61439-1:2021[2] applies, except as follows:

Publication	Year	Title	EN/HD	Year
IEC 60068-2-27	-	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock	EN 60068-2-27	-
IEC 60068-2-42	-	Environmental testing - Part 2-42: Tests - Test Kc: Sulphur dioxide test for contacts and connections	EN 60068-2-42	-
IEC 60364-7-704 (mod)	2017	Low-voltage electrical installations - Part 7-704: Requirements for special installations or locations - Construction and demolition site installations	HD 60364-7-704	2018
IEC 61439-1	2020	Low-voltage switchgear and controlgear assemblies - Part 1: General rules	EN IEC 61439-1	2021
IEC 61558-2-23	-	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-23: Particular requirements and tests for transformers and power supply units for construction sites	EN IEC 61558-2-23	-

Sample Document
get full document from standards.iteh.ai

[2] As impacted by EN IEC 61439-1:2021/AC:2022-01 and EN IEC 61439-1:2021/AC:2023-11.

SIST EN IEC 61439-4:2026 • https://standards.iteh.ai/catalog/standards/sist/517668e2-5f19-4625-8de9-0e5421e111c4/sist-en-iec-61439-4-2026

Sample Document

get full document from standards.iteh.ai

SIST EN IEC 61439-4:2026

IEC 61439-4

Edition 2.0 2023-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Low-voltage switchgear and controlgear assemblies – Part 4: Particular requirements for assemblies for construction sites (ACS)

Sample Document

Ensembles d'appareillage à basse tension – Partie 4: Exigences particulières pour ensembles de chantiers (EC)

get full document from standards.iteh.ai

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

ICS 29.130.20

ISBN 978-2-8322-7538-2

Warning! Make sure that you obtained this publication from an authorized distributor.
Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.

® Registered trademark of the International Electrotechnical Commission
Marque déposée de la Commission Electrotechnique Internationale

SIST EN IEC 61439-4:2026 • https://standards.iteh.ai/catalog/standards/sist/517668e2-5f19-4625-8de9-0e5421e111c4/sist-en-iec-61439-4-2026

SIST EN IEC 61439-4:2026

CONTENTS

FOREWORD 3
1 Scope 5
2 Normative references 5
3 Terms and definitions 6
4 Symbols and abbreviations 8
5 Interface characteristics 8
6 Information 9
7 Service conditions 10
8 Constructional requirements 10
9 Performance requirements 13
10 Design verification 13
11 Routine verification 16
Annexes 19
Annex C (informative) User information template 20
Annex D (informative) Design verification 24
Annex L (informative) Guidance on verification of temperature-rise 25
Annex M (normative) Verification of the short-circuit withstand strength of BUSBAR structures by comparison with a reference design by calculation 26
Annex N (informative) List of notes concerning certain countries 27
Bibliography 28

Figure 101 – Impact test using striking element 15

Table 101 – Values of assumed loading 18
Table C.1 – Items subject to agreement between the assembly manufacturer and the user 20
Table D.1 – List of design verifications to be performed 24

Sample Document
get full document from standards.iteh.ai

SIST EN IEC 61439-4:2026 • https://standards.iteh.ai/catalog/standards/sist/517668e2-5f19-4625-8de9-0e5421e111c4/sist-en-iec-61439-4-2026

SIST EN IEC 61439-4:2026

INTERNATIONAL ELECTROTECHNICAL COMMISSION

_____

LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR ASSEMBLIES –

Part 4: Particular requirements for assemblies for construction sites (ACS)

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
6) All users should ensure that they have the latest edition of this publication.
7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
9) IEC draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). IEC takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, IEC had not received notice of (a) patent(s), which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at https://patents.iec.ch. IEC shall not be held responsible for identifying any or all such patent rights.

Sample Document
Get full document from standards.iteh.ai

IEC 61439-4 has been prepared by subcommittee 121B: Low-voltage switchgear and controlgear assemblies, of IEC technical committee 121: Switchgear and controlgear and their assemblies for low voltage. It is an International Standard.

This second edition of IEC 61439-4 cancels and replaces the first edition published in 2012. This edition constitutes a technical revision.

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

a) alignment with IEC 61439-1:2020 regarding the structure and technical content, as applicable.

SIST EN IEC 61439-4:2026 • https://standards.iteh.ai/catalog/standards/sist/517668e2-5f19-4625-8de9-0e5421e111c4/sist-en-iec-61439-4-2026