

SLOVENSKI STANDARD

SIST EN IEC 60309-4:2022

01-december-2022

Nadomešča:

SIST EN 60309-4:2008

SIST EN 60309-4:2008/A1:2012

Vtiči, fiksne ali prenosne vtičnice in vtičnice za industrijsko rabo - 4. del: Vtičnice z zaklepom ali brez njega (IEC 60309-4:2021)

Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes - Part 4: Switched socket-outlets with or without interlock (IEC 60309-4:2021)

Stecker, ortsfeste oder ortsveränderliche Steckdosen und Gerätestecker für industrielle Anwendungen - Teil 4: Abschaltbare Steckdosen mit oder ohne Verriegelung (IEC 60309-4:2021)

Fiches, socles fixes de prise de courant, prises mobiles et socles de connecteur pour usages industriels - Partie 4: Socles de prise de courant avec interrupteur, avec ou sans dispositif de verrouillage (IEC 60309-4:2021)

Ta slovenski standard je istoveten z: EN IEC 60309-4:2022

ICS:

29.120.30	Vtiči, vtičnice, spojke	Plugs, socket-outlets, couplers
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SIST EN IEC 60309-4:2022

en,fr,de

EUROPEAN STANDARD

EN IEC 60309-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2022

ICS 29.120.30

Supersedes EN 60309-4:2007 + A1:2012

English Version

Plugs, fixed or portable socket-outlets and appliance inlets for
industrial purposes - Part 4: Switched socket-outlets with or
without interlock
(IEC 60309-4:2021)

Fiches, socles fixes de prise de courant, prises mobiles et
socles de connecteur pour usages industriels - Partie 4:
Socles de prise de courant avec interrupteur, avec ou sans
dispositif de verrouillage
(IEC 60309-4:2021)

Stecker, ortsfeste oder ortsveränderliche Steckdosen und
Gerätestecker für industrielle Anwendungen - Teil 4:
Abschaltbare Steckdosen mit oder ohne Verriegelung
(IEC 60309-4:2021)

This European Standard was approved by CENELEC on 2021-09-08. 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.

<https://standards.iteh.ai/catalog/standards/sist/4024cba0-e6e7-48b0-b931->

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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 60309-4:2022 (E)**European foreword**

The text of document 23H/482/FDIS, future edition 2 of IEC 60309-4, prepared by SC 23H "Plugs, Socket-outlets and Couplers for industrial and similar applications, and for Electric Vehicles" of IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60309-4:2022.

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) 2022-12-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-06-17

This document supersedes EN 60309-4:2007 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 60309-1:2022 and with EN IEC 60309-2:2022.

This document has been prepared under a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association.

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.

SIST EN IEC 60309-4:2022

<https://standards.iteh.ai/c4cba0-e6e7-48b0-b931-0a83b666660c/sist-en-iec-60309-4-2022>
Endorsement notice

The text of the International Standard IEC 60309-4:2021 was approved by CENELEC as a European Standard without any modification.

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.

Clause 2 of EN IEC 60309-1:2022 applies except as follows:

Add the following references:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60073	-	Basic and safety principles for man-machine interface, marking and identification - Coding principles for indicators and actuators	EN 60073	-
IEC 60309-1	2021	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes - Part 1: General requirements	EN IEC 60309-1	2022
IEC 60309-2	2021	Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes - Part 2: Dimensional compatibility requirements for pin and contact-tube accessories	EN IEC 60309-2	2022
IEC 60617	-	Standard data element types with associated classification scheme for electric components - Part 4: IEC reference collection of standard data element types and component classes	-	-
IEC 60947-1	2020	Low-voltage switchgear and controlgear - Part 1: General rules	EN IEC 60947-1	2021
IEC 60947-3	-	Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units	EN IEC 60947-3	-
IEC 60947-4-1	-	Low-voltage switchgear and controlgear - Part 4-1: Contactors and motorstarters - Electromechanical contactors and motorstarters	EN IEC 60947-4-1	-
IEC 60947-5-1	-	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices	EN 60947-5-1	-
IEC 61058-1	-	Switches for appliances - Part 1: General requirements	EN IEC 61058-1	-



IEC 60309-4

Edition 2.0 2021-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes –
Part 4: Switched socket-outlets with or without interlock**

**Fiches, socles fixes de prise de courant, prises mobiles et socles de connecteur pour usages industriels –
Partie 4: Socles de prise de courant avec interrupteur, avec ou sans dispositif de verrouillage**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 29.120.30

ISBN 978-2-8322-9847-3

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**PLUGS, FIXED OR PORTABLE SOCKET-OUTLETS AND
APPLIANCE INLETS FOR INDUSTRIAL PURPOSES –****Part 4: Switched socket-outlets
with or without interlock**

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.
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International Standard IEC 60309-4 has been prepared by subcommittee 23H: Plugs, socket-outlets and couplers for industrial and similar applications, and for electric vehicles, of IEC technical committee 23: Electrical accessories.

This second edition cancels and replaces the first edition published in 2006 and Amendment 1:2012. This edition constitutes a technical revision.

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

- updated in order to take into account the technical revisions to IEC 60309-1 and to IEC 60309-2.

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

FDIS	Report on voting
23H/482/FDIS	23H/488/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. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

This document is to be read in conjunction with IEC 60309-1:2021 and with IEC 60309-2:2021.

In this document, the following print types are used:

- requirements proper: in roman type;
- *test specifications: in italic type;*
- notes: in smaller roman type.

IEC 60309-1:2021 deals with general requirements and comprises all clauses of a general character.

Subsequent parts deal with the requirements of particular types of accessories. The clauses of these particular requirements supplement or modify the corresponding clauses of IEC 60309-1:2021 or of IEC 60309-2:2021.

Clauses, subclauses, figures, tables and notes which are additional to those of IEC 60309-1:2021 or of IEC 60309-2:2021 are numbered starting from 401.

A list of all parts in the IEC 60309 series, published under the general title *Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes*, can be found on the IEC website.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

PLUGS, FIXED OR PORTABLE SOCKET-OUTLETS AND APPLIANCE INLETS FOR INDUSTRIAL PURPOSES –

Part 4: Switched socket-outlets with or without interlock

1 Scope

Clause 1 of IEC 60309-1:2021 or of IEC 60309-2:2021 applies as follows:

Replace the first two paragraphs by the following:

This part of IEC 60309 applies to self-contained products primarily intended for industrial use, either indoors or outdoors that combine the following items within a single enclosure:

- a fixed or portable socket-outlet according to IEC 60309-1 or IEC 60309-2 with a rated operating voltage not exceeding 1 000 V DC or 1 000 V AC with a frequency not exceeding 500 Hz and a rated current not exceeding 800 A;
- a switching device.

These products can incorporate an interlock and/or protective devices.

These accessories are intended to be installed by instructed persons or skilled persons only.

2 Normative references

Clause 2 of IEC 60309-1:2021 applies except as follows:

Additional normative references:

IEC 60073, *Basic and safety principles for man-machine interface, marking and identification – Coding principles for indicators and actuators*

IEC 60309-1:2021, *Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 1: General requirements*

IEC 60309-2:2021, *Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 2: Dimensional compatibility requirements for pin and contact-tube accessories*

IEC 60617, *Graphical symbols for diagrams* (available at <http://std.iec.ch/iec60617>)

IEC 60947-1:2020, *Low-voltage switchgear and controlgear – Part 1: General rules*

IEC 60947-3, *Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units*

IEC 60947-4-1, *Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters*

IEC 60947-5-1, *Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices*