



BSI Standards Publication

Switches for household and similar fixed electrical installations

Part 2-4: Particular requirements — Isolating switches

This is a preview of BS EN IEC 60669-2-4:2025. [Click here to purchase the full version from the ANSI store.](#)

National foreword

This British Standard is the UK implementation of EN IEC 60669-2-4:2025. It is identical to IEC 60669-2-4:2024. It supersedes BS EN 60669-2-4:2005, which will be withdrawn on 31 October 2028.

The UK participation in its preparation was entrusted to Technical Committee PEL/23, Electrical accessories.

A list of organizations represented on this committee can be obtained on request to its committee manager.

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

© The British Standards Institution 2025
Published by BSI Standards Limited 2025

ISBN 978 0 539 20198 7

ICS 29.120.40

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 November 2025.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

This is a preview of BS EN IEC 60669-2-4:2025. [Click here to purchase the full version from the ANSI store.](#)

EUROPÄISCHE NORM

October 2025

ICS 29.120.40

Supersedes EN 60669-2-4:2005

English Version

Switches for household and similar fixed electrical installations -
Part 2-4: Particular requirements - Isolating switches
(IEC 60669-2-4:2024)

Interrupteurs pour installations électriques fixes
domestiques et analogues - Partie 2-4: Exigences
particulières - Interrupteurs-sectionneurs
(IEC 60669-2-4:2024)

Schalter für Haushalt und ähnliche ortsfeste elektrische
Installationen - Teil 2-4: Besondere Anforderungen -
Trennschalter
(IEC 60669-2-4:2024)

This European Standard was approved by CENELEC on 2025-08-01. 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

This is a preview of BS EN IEC 60669-2-4:2025. [Click here to purchase the full version from the ANSI store.](#)

European foreword

The text of document 23B/1460/CDV, future edition 2 of IEC 60669-2-4, prepared by SC 23B "Plugs, socket-outlets and switches" of IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60669-2-4:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2026-10-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2028-10-31 document have to be withdrawn

This document supersedes EN 60669-2-4:2005 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 60669-1:2018.

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.

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 60669-2-4:2024 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60664-1:2020 NOTE Approved as EN IEC 60664-1:2020 (not modified)

This is a preview of BS EN IEC 60669-2-4:2025. Click here to purchase the full version from the ANSI store.

(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 60669-1:2018 is applicable except as follows.

Addition:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60669-1 (mod)	2017	Switches for household and similar fixed-electrical installations - Part 1: General requirements	EN 60669-1	2018
-	-		+ AC	2018-11
IEC 61180	2016	High-voltage test techniques for low-voltage equipment - Definitions, test and procedure requirements, test equipment	EN 61180	2016

This is a preview of BS EN IEC 60669-2-4:2025. [Click here to purchase the full version from the ANSI store.](#)

CONTENTS

FOREWORD	4
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 General requirements	7
5 General remarks on tests	7
6 Ratings	8
7 Classification	9
8 Marking	9
9 Checking of dimensions	10
10 Protection against electric shock	10
11 Provision for earthing	10
12 Terminals	10
13 Constructional requirements	12
14 Mechanism	13
15 Resistance to ageing, protection provided by enclosures of switches and resistance to humidity	13
16 Insulation resistance and electric strength	13
17 Temperature rise	14
18 Making and breaking capacity	15
19 Normal operation	19
20 Mechanical strength	19
21 Resistance to heat	19
22 Screws, current-carrying parts and connections	20
23 Creepage distances, clearances and distances through sealing compound	20
24 Resistance of insulating material to abnormal heat, to fire and to tracking	21
25 Resistance to rusting	21
26 EMC requirements	21
Annexes	28
Annex B (informative) Changes planned for the future in order to align IEC 60669-1 with the requirements of IEC 60998 (all parts), IEC 60999 (all parts) and IEC 60228	29
Annex AA (informative) Determination of short-circuit power factor	30
Annex BB (informative) SCPDs for short-circuit tests	32
Bibliography	34
Figure 101 – Test circuit for verification of the short-circuit withstand capability with an SCPD of one-pole isolating switch	23
Figure 102 – Test circuit for verification of the short-circuit withstand capability with an SCPD of a two-pole isolating switch	24
Figure 103 – Test circuit for verification of the short-circuit withstand capability with an SCPD of a three-pole isolating switch	25
Figure 104 – Test circuit for verification of the short-circuit withstand capability with an SCPD of a four-pole isolating switch	26