BS EN IEC 60730-2-14:2019+A1:2022



BSI Standards Publication

Automatic electrical controls

Part 2-14: Particular requirements for electric actuators

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National foreword

This British Standard is the UK implementation of EN IEC 60730-2-14:2019+A1:2022. It is identical to IEC 60730-2-14:2017 incorporating amendment A1:2019 and A2:2021. It supersedes BS EN IEC 60730-2-14:2019+A2:2021, which will be withdrawn 17 May 2025.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee CPL/72, Electrical control devices for household equipment and appliances.

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

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 28 February 2019.

Amendments/corrigenda issued since publication

Date	Text affected
31 March 2022	Implementation of IEC amendment A1:2019: collated at end of document
31 March 2022	Implementation of CENELEC amendment A2:2021 incorporating IEC amendment A2:2021: collated at end of document

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Date	Text affected
30 November 2022	Implementation of CENELEC amendment A1:2022 incorporating IEC amendments A1:2019 and A2:2021

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 60730-2-14:2019+A1

May 2022

ICS 29.120.01; 97.120

Supersedes EN 60730-2-14:1997

English Version

Automatic electrical controls - Part 2-14: Particular requirements for electric actuators (IEC 60730-2-14:2017)

Dispositifs de commande électrique automatiques - Partie 2-14: Exigences particulières pour les actionneurs électriques (IEC 60730-2-14:2017)

Automatische elektrische Regel- und Steuergeräte für den Hausgebrauch und ähnliche Anwendungen - Teil 2-14: Besondere Anforderungen an elektrische Stellantriebe (IEC 60730-2-14:2017)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

The text of document 72/1079/FDIS, future edition 2 of IEC 60730-2-14, prepared by IEC/TC 72 "Automatic electrical controls" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60730-2-14:2019.

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) 2019-10-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-01-16

This document supersedes EN 60730-2-14:1997.

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Endorsement notice

The text of the International Standard IEC 60730-2-14:2017 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 standards indicated :

IEC 60034 (series)	NOTE	Harmonized in EN 60034 series.
IEC 60730-2-8:2000 + A1:2002	NOTE	Harmonized in EN 60730-2-8:2002 (modified) + A1:2003 (modified).

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European foreword to amendment A1

This document (EN IEC 60730-2-14:2019/A1:2022) consists of the text of IEC 60730-2-14:2017/AMD1:2019 prepared by IEC/TC 72 “Automatic electrical controls”.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-05-17
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2025-05-17

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The text of the International Standard IEC 60730-2-14:2017/AMD1:2019 was approved by CENELEC as a European Standard without any modification.

European foreword to amendment A2

The text of document 72/1284/FDIS, future IEC 60730-2-14/AMD2, prepared by IEC/TC 72 “Automatic electrical controls” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60730-2-14:2019/A2:2021.

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) 2022–08–26
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024–11–26

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

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The text of the International Standard IEC 60730-2-14:2017/AMD2:2021 was approved by CENELEC as a European Standard without any modification.

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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.

Annex ZA of EN 60730-1:2016 applies with the following change:

Add the following reference:

Publication	Year	Title	EN/HD	Year
IEC 61058-1-1	-	Switches for appliances – Part 1–1: Requirements for mechanical switches	EN 61058-1-1	-

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AUTOMATIC ELECTRICAL CONTROLS –

Part 2-14: Particular requirements for electric actuators

FOREWORD

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International Standard IEC 60730-2-14 has been prepared by IEC technical committee 72: Automatic electrical controls.

This second edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:

- adapting it to the 5th Ed of IEC 60730-1,
- addition of checking electric actuators with action 1.AB or 2AB, and
- modification of tests under abnormal condition.

This part 2-14 is intended to be used in conjunction with IEC 60730-1. It was established on the basis of the fifth edition of that standard (2013) including its amendment 1 (2015) and amendment 2 (2021). Consideration may be given to future editions of, or amendments to, IEC 60730-1.

This part 2-14 supplements or modifies the corresponding clauses in IEC 60730-1, so as to convert that publication into the IEC standard: Particular requirements for electric actuators.

Where this part 2-14 states "addition", "modification" or "replacement", the relevant requirement, test specification or explanatory matter in part 1 should be adapted accordingly.

Where no change is necessary part 2-14 indicates that the relevant clause or subclause applies.

In the development of a fully international standard it has been necessary to take into consideration the differing requirements resulting from practical experience in various parts of the world and to recognize the variation in national electrical systems and wiring rules.

The reader's attention is drawn to the fact that Annex AA and Annex BB list all of the "in-some-country" clauses on differing practices of a less permanent nature relating to the subject of this document.

In this publication:

1) The following print types are used:
   - requirements proper: in roman type;
   - *test specifications: in italic type;*
   - explanatory matter: in smaller roman type.
   - Defined terms: **bold type**.
2) Subclauses, notes or items which are additional to those in Part 1 are numbered starting from 101, additional annexes are lettered AA, BB, etc.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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