



**SLOVENSKI STANDARD**  
**SIST EN IEC 60721-3-9:2024**

**01-julij-2024**

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**Klasifikacija okoljskih pogojev - 3-9. del: Razvrščanje skupin okoljskih parametrov in njihove resnosti - Mikroklima v izdelkih (IEC 60721-3-9:2024)**

Classification of environmental conditions - Part 3-9: Classification of groups of environmental parameters and their severities - Microclimates inside products (IEC 60721-3-9:2024)

Klassifizierung von Umgebungsbedingungen - Teil 3-9: Klassen von Einflussgrößen und deren Grenzwerte - Mikroklimate innerhalb von Erzeugnissen (IEC 60721-3-9:2024)

Classification des conditions d'environnement - Partie 3-9: Classification des groupements des agents d'environnement et de leurs sévérités - Microclimats à l'intérieur des produits (IEC 60721-3-9:2024)

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**ICS:**

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                 okoljem

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EUROPEAN STANDARD  
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EUROPÄISCHE NORM

**EN IEC 60721-3-9**

May 2024

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Supersedes EN 60721-3-9:1993;  
EN 60721-3-9:1993/A1:1995

English Version

**Classification of environmental conditions - Part 3-9:  
Classification of groups of environmental parameters and their  
severities - Microclimates inside products  
(IEC 60721-3-9:2024)**

Classification des conditions d'environnement - Partie 3-9:  
Classification des groupements des agents  
d'environnement et de leurs sévérités - Microclimats à  
l'intérieur des produits  
(IEC 60721-3-9:2024)

Klassifizierung von Umgebungsbedingungen - Teil 3-9:  
Klassen von Einflussgrößen und deren Grenzwerte -  
Mikroklimata innerhalb von Erzeugnissen  
(IEC 60721-3-9:2024)

This European Standard was approved by CENELEC on 2024-05-16. 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.

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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 60721-3-9:2024 (E)

### European foreword

The text of document 104/1041/FDIS, future edition 2 of IEC 60721-3-9, prepared by IEC/TC 104 "Environmental conditions, classification and methods of test" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60721-3-9:2024.

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) 2025-02-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2027-05-16

This document supersedes EN 60721-3-9:1993 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.

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### Endorsement notice

The text of the International Standard IEC 60721-3-9:2024 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 60721-2-1:2013 NOTE Approved as EN 60721-2-1:2014 (not modified)

## 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](http://www.cencenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60721-1	-	Classification of environmental conditions - EN 60721-1 Part 1: Environmental parameters and their severities	-	-
IEC 60721-3-0	2020	Classification of environmental conditions - EN IEC 60721-3-0 Part 3-0: Classification of groups of environmental parameters and their severities - Introduction	2020	2020
IEC 60721-3-3	2019	Classification of environmental conditions - EN IEC 60721-3-3 Part 3-3: Classification of groups of environmental parameters and their severities - Stationary use at weatherprotected locations	2019	2019
IEC 60721-3-4	2019	Classification of environmental conditions - EN IEC 60721-3-4 Part 3-4: Classification of groups of environmental parameters and their severities - Stationary use at non-weatherprotected locations	2019	2019





IEC 60721-3-9

Edition 2.0 2024-04

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Classification of environmental conditions –  
Part 3-9: Classification of groups of environmental parameters and their  
severities – Microclimates inside products**

**Classification des conditions d'environnement –  
Partie 3-9: Classification des groupements des agents d'environnement et de  
leurs sévérités – Microclimats à l'intérieur des produits**

[SIST EN IEC 60721-3-9:2024](https://standards.iteh.ai)

<https://standards.iteh.ai/catalog/standards/sist/db3ea64e-8c19-4b30-9afd-6b7776d8c0e4/sist-en-iec-60721-3-9-2024>

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## CLASSIFICATION OF ENVIRONMENTAL CONDITIONS –

**Part 3-9: Classification of groups of environmental parameters  
and their severities – Microclimates inside products**

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IEC 60721-3-9 has been prepared by IEC technical committee 104: Environmental conditions, classification and methods of test. It is an International Standard.

This second edition cancels and replaces the first edition published in 1993, Amendment 1:1994 and Corrigendum 1:1995. This edition constitutes a technical revision.

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

- a) Clause 2 has been updated;
- b) Clause 4 has been re-edited and simplified;
- c) Annex A has been revised and updated;

- d) a new Annex B has been added and gives the origin of the constitutional diagram for humid air, which is the basis of drawing the climatogram for a microclimate.

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

Draft	Report on voting
104/1041/FDIS	104/1050/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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

A list of all parts in the IEC 60721 series, published under the general title *Classification of environmental conditions*, can be found on the IEC website.

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](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

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