

<b>STN</b>	<b>Klasifikácia podmienok prostredia Časť 3-5: Klasifikácia skupín parametrov prostredia a stupňov ich prísnosti Zariadenia pozemných vozidiel</b>	<b>STN EN IEC 60721-3-5</b>  03 8900
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Classification of environmental conditions - Part 3-5: Classification of groups of environmental parameters and their severities - Ground vehicle installations

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/26

Obsahuje: EN IEC 60721-3-5:2026, IEC 60721-3-5:2026

Oznámením tejto normy sa od 28.02.2029 ruší  
STN EN 60721-3-5 (03 8900) z apríla 2000

**142431**





EUROPEAN STANDARD

**EN IEC 60721-3-5**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2026

ICS 19.040

Supersedes EN 60721-3-5:1997

English Version

**Classification of environmental conditions - Part 3-5:  
Classification of groups of environmental parameters and their  
severities - Ground vehicle installations  
(IEC 60721-3-5:2026)**

Classification des conditions d'environnement - Partie 3-5:  
Classification des groupements des agents  
d'environnement et de leurs sévérités - Installations de  
véhicules terrestres  
(IEC 60721-3-5:2026)

Klassifizierung von Umgebungsbedingungen - Teil 3-5:  
Klassen von Einflussgrößen und deren Grenzwerte -  
Einsatz an und in Landfahrzeugen  
(IEC 60721-3-5:2026)

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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 60721-3-5:2026 (E)****European foreword**

The text of document 104/1138/FDIS, future edition 3 of IEC 60721-3-5, prepared by TC 104 "Environmental conditions, classification and methods of test" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60721-3-5:2026.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2027-02-28 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2029-02-28 document have to be withdrawn

This document supersedes EN 60721-3-5:1997 and all of its amendments and corrigenda (if any).

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In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 60068-2-74	NOTE	Approved as EN 60068-2-74
IEC 60721-2-1	NOTE	Approved as EN 60721-2-1
IEC 60721-2-2	NOTE	Approved as EN IEC 60721-2-2
IEC 60721-2-3	NOTE	Approved as EN 60721-2-3
IEC 60721-2-4	NOTE	Approved as EN IEC 60721-2-4
IEC 60721-2-5	NOTE	Approved as HD 478.2.5 S1
IEC 60721-3 (series)	NOTE	Approved as EN IEC 60721-3 (series)
IEC 60721-3-0	NOTE	Approved as EN IEC 60721-3-0
IEC 60721-3-1	NOTE	Approved as EN IEC 60721-3-1
IEC 60721-3-2	NOTE	Approved as EN IEC 60721-3-2
IEC 60721-3-5:1997	NOTE	Approved as EN 60721-3-5:1997 (not modified)
ISO 9223	NOTE	Approved as EN ISO 9223

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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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 - Part 1: Environmental parameters and their severities	EN 60721-1	-



IEC 60721-3-5

Edition 3.0 2026-01

# INTERNATIONAL STANDARD

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**Classification of environmental conditions -  
Part 3-5: Classification of groups of environmental parameters and their  
severities - Ground vehicle installations**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**Classification of environmental conditions -  
Part 3-5: Classification of groups of environmental parameters  
and their severities - Ground vehicle installations****FOREWORD**

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IEC 60721-3-5 has been prepared by IEC technical committee 104: Environmental conditions, classification and methods of test. It is an International Standard.

This third edition cancels and replaces the second edition, published in 1997. This edition constitutes a technical revision.

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

- a) most classes have been replaced by completely new classes based on the use of additional information obtained from referenced Technical Reports;
- b) Table 1 through to Table 7 have been reviewed and updated;
- c) the content of Annex A and Annex B has either been incorporated into the main body of the document or deleted.

## IEC 60721-3-5:2026 © IEC 2026

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

Draft	Report on voting
104/1138/FDIS	104/1146/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

- reconfirmed,
- withdrawn, or
- revised.

## IEC 60721-3-5:2026 © IEC 2026

## 1 Scope

This part of IEC 60721 classifies the groups of environmental parameters and their severities to which a product, not forming part of the vehicle, is subjected when installed on or in a ground vehicle. Such products are for example radios, communication systems, fare meters, flow meters for liquids transported by the vehicle, for example milk, petroleum products, etc. Vehicles where products can be permanently or temporarily installed include

- road vehicles: passenger cars, commercial vehicles, special vehicles, towing vehicles, trailers, mopeds, motorcycles,
- rail vehicles: trains, trams,
- tracked vehicles: excavators, cranes, rubber tracked vehicles,
- overland vehicles: four-wheel drive cars, tractors, snow scooters,
- handling and storage vehicles: fork-lift trucks (manual and robot), luggage transporters, and
- self-propelled machinery: diggers, harvesters.

Although this document is not intended for products forming part of the vehicles, the environmental condition classification can also be used for some exchangeable parts, installed in a similar way and in the same locations of the vehicle as products which do not form part of the vehicle. Only severe conditions which can be harmful to products are included.

Conditions of storage, transportation and handling are given in IEC 60721-3-1 and IEC 60721-3-2. Classification of storage and transportation environmental conditions are given in other subparts of the IEC 60721-3 series.

Accidental incidents are not included, but it can be important to take their occurrence into account for products vital to the safety of the ground vehicle.

## 2 Normative references

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.

IEC 60721-1, *Classification of environmental conditions - Part 1: Environmental parameters and their severities*

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