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Miljöklassificering – Del 3-2: Grupper av miljöfaktorer och deras strängheter – Transport

*Classification of environmental conditions –
Part 3: Classification of groups of environmental parameters and their severities –
Section 2: Transportation*

Som svensk standard gäller europastandarden EN 60721-3-2:1997. Den svenska standarden innehåller den officiella engelska språkversionen av EN 60721-3-2:1997.

Nationellt förord

Europastandarden EN 60721-3-2:1997^{*)}

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 60721-3-2, Second edition, 1997 - Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 2: Transportation**

utarbetad inom International Electrotechnical Commission, IEC.

Tidigare fastställd svensk standard SS-EN 60721, utgåva 3, 1997 och SS-EN 60721 T1, utgåva 1, 1998, gäller ej fr o m 2001-12-19.

^{*)} EN 60721-3-2:1997 ikraftsattes 2001-12-19 som SS-EN 60721-3-2 genom offentliggörande, d v s utan utgivning av något svenskt dokument.

Standarder underlättar utvecklingen och höjer elsäkerheten

Det finns många fördelar med att ha gemensamma tekniska regler för bl a säkerhet, prestanda, dokumentation, utförande och skötsel av elprodukter, elanläggningar och metoder. Genom att utforma sådana standarder blir säkerhetskraven tydliga och utvecklingskostnaderna rimliga samtidigt som marknadens acceptans för produkten eller tjänsten ökar.

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English version

Classification of environmental conditions
Part 3: Classification of groups of environmental
parameters and their severities

Section 2: Transportation

(IEC 60721-3-2:1997)

Classification des conditions
d'environnement
Partie 3: Classification des groupements
des agents d'environnement et de leurs
sévérités
Section 2: Transport
(CEI 60721-3-2:1997)

Klassifizierung von Umweltbedingungen
Teil 3: Klassen von
Umwelteinflußgrößen und deren
Grenzwerte
Hauptabschnitt 2: Transport
(IEC 60721-3-2:1997)

This European Standard was approved by CENELEC on 1996-12-09. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

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Foreword

The text of document 75/278/FDIS, future edition 2 of IEC 60721-3-2, prepared by IEC TC 75, Classification of environmental conditions, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60721-3-2 on 1996-12-09.

This European Standard supersedes EN 60721-3-2:1993 and its amendment A2:1994.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 1997-12-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1997-12-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annex ZA is normative and annexes A, B and C are informative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60721-3-2:1997 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

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

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE: When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 721-1	1990	Classification of environmental conditions Part 1: Environmental parameters and their severities		
+ A1	1992		EN 60721-1	1995
A2	1995		A2	1995
IEC 721-2-1	1982	Part 2: Environmental conditions appearing in nature - Temperature and humidity		
+ A1	1987		HD 478.2.1 S1	1989
IEC 721-3-0	1984	Part 3: Classification of groups of environmental parameters and their severities -- Introduction		
+ A1	1987		EN 60721-3-0	1993

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**CLASSIFICATION OF ENVIRONMENTAL CONDITIONS –
Part 3: Classification of groups of environmental parameters
and their severities –
Section 2: Transportation**

1 Scope and object

This section of IEC 60721-3 classifies the groups of environmental parameters and their severities to which a product is subjected while being transported from one place to another after being made ready for dispatch from the manufacturing factory.

The most commonly used methods of transportation have been taken into account, including the following:

- *road transport*: cars, lorries, trucks, animals, conveyors;
- *rail transport*: trains, trams, conveyors;
- *water transport, inland and maritime*: ships, hovercraft, conveyors;
- *air transport*: aircraft, conveyors;
- *vertical transport*: cranes, transport lifts, cableways.

The environmental conditions specified in this section are those met by the product being transported. If the product is packed, the environmental conditions apply to the package containing the product. Only severe conditions, which may be harmful to products, are included.

Conditions for storage and use are given in other sections of IEC 721-3.

The object of this standard is to classify groups of environmental parameters and their severities to which a product will be exposed when being transported on ground, water and in air, including loading and unloading.

A limited number of classes of environmental conditions are given, covering a broad field of application. The user of this standard should select the lowest classes necessary covering each of the conditions of the intended transportation. Some guidance for this is given in annex A.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this section of IEC 721-3. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this section of IEC 721-3 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 721-1: 1990, *Classification of environmental conditions – Part 1: Environmental parameters and their severities*
Amendment 1 (1992)
Amendment 2 (1995)

IEC 721-2-1: 1982, *Classification of environmental conditions – Part 2: Environmental conditions appearing in nature – Temperature and humidity*
Amendment 1 (1987)

IEC 721-3-0: 1984, *Classification of environmental conditions – Part 3: Classification of groups of environmental parameters and their severities – Introduction*
Amendment 1 (1987)