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INTERNATIONAL STANDARD

colour inside

Classification of environmental conditions – Part 2-4: Environmental conditions appearing in nature – Solar radiation and temperature

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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CLASSIFICATION OF ENVIRONMENTAL CONDITIONS –

Part 2-4: Environmental conditions appearing in nature – Solar radiation and temperature

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This redline version of the official IEC Standard allows the user to identify the changes made to the previous edition. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

International Standard IEC 60721-2-4 has been prepared by IEC technical committee 104: Environmental conditions, classification and methods of test.

This second edition cancels and replaces the first edition published in 1987 and Amendment 1:1988. This edition constitutes a technical revision.

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

a) Figures updated including the addition of global irradiation information,

b) Format updated.

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

FDIS	Report on voting
104/800/FDIS	104/803/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

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

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.

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CLASSIFICATION OF ENVIRONMENTAL CONDITIONS –

Part 2-4: Environmental conditions appearing in nature – Solar radiation and temperature

1 Scope

This part of IEC 60721 presents a broad division into types of solar radiation areas. It is intended to be used as part of the background material when selecting appropriate severities of solar radiation for product applications.

All types of geographical areas are covered, except areas with altitudes above 5 000 m.

~~When selecting severities of solar radiation for product applications, the values which are given in IEC 60721-1 should be applied.~~

~~2 Object~~

This document also serves to define limiting severities of solar radiation to which products are liable to be exposed during transportation, storage and use.

2 Normative references

There are no normative references in this document.

IEC 60721-2-4

Edition 2.0 2018-06

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Classification of environmental conditions – Part 2-4: Environmental conditions appearing in nature – Solar radiation and temperature

Classification des conditions d'environnement – Partie 2-4: Conditions d'environnement présentes dans la nature – Rayonnement solaire et température

IEC 60721-2-4:2018-06(en-fr)

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Part 2-4: Environmental conditions appearing in nature – Solar radiation and temperature

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COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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CLASSIFICATION DES CONDITIONS D'ENVIRONNEMENT –

Partie 2-4: Conditions d'environnement présentes dans la nature – Rayonnement solaire et température

AVANT-PROPOS

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La Norme internationale IEC 60721-2-4 a été établie par le comité d'études 104 de l'IEC: Conditions, classification et essais d'environnement.

Cette deuxième édition annule et remplace la première édition parue en 1987 et l'Amendement 1:1988. Cette édition constitue une révision technique.

Cette édition inclut les modifications techniques majeures suivantes par rapport à l'édition précédente:

a) Mise à jour des figures incluant l'ajout d'informations sur l'exposition énergétique globale,
b) Mise à jour du format.

Le texte de cette Norme internationale est issu des documents suivants:

FDIS	Rapport de vote
104/800/FDIS	104/803/RVD

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à l'approbation de cette Norme internationale.

Ce document a été rédigé selon les Directives ISO/IEC, Partie 2.

Une liste de toutes les parties de la série IEC 60721, publiées sous le titre général *Classification des conditions d'environnement*, peut être consultée sur le site web de l'IEC.

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CLASSIFICATION DES CONDITIONS D'ENVIRONNEMENT –

Partie 2-4: Conditions d'environnement présentes dans la nature – Rayonnement solaire et température

1 Domaine d'application

Cette partie de l'IEC 60721 présente une large division en types de zones de rayonnement solaire. Elle est destinée à faire partie de la documentation de base pour choisir des sévérités appropriées de rayonnement solaire pour l'application aux produits.

Tous les types de zones géographiques sont couverts, sauf les zones situées à plus de 5 000 m d'altitude.

Le présent document sert également à définir les sévérités limites du rayonnement solaire auquel les produits sont susceptibles d'être exposés durant le transport, le stockage et la mise en œuvre.

2 Références normatives

Le présent document ne contient aucune référence normative.