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## Miljötolighetsprovning – Del 3-1: Bakgrundsinformation – Kyla och värme

*Environmental testing –  
Part 3-1: Supporting documentation and guidance –  
Cold and dry heat tests*

Som svensk standard gäller europastandarden EN IEC 60068-3-1:2023. Den svenska standarden innehåller den officiella engelska språkversionen av EN IEC 60068-3-1:2023.

### Nationellt förord

Europastandarden EN IEC 60068-3-1:2023

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 60068-3-1, Third edition, 2023 - Environmental testing – Part 3-1: Supporting documentation and guidance – Cold and dry heat tests**

utarbetad inom International Electrotechnical Commission, IEC.

Tidigare fastställd svensk standard SS-EN 60068-3-1, utg 2:2012 med eventuella tillägg, ändringar och rättelser gäller ej fr o m 2026-08-03.

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Det finns många fördelar med att ha gemensamma tekniska regler för bl a mätning, säkerhet och provning och för utförande, skötsel och dokumentation av elprodukter och elanläggningar.

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English Version

**Environmental testing - Part 3-1: Supporting documentation and  
guidance - Cold and dry heat tests  
(IEC 60068-3-1:2023)**

Essais d'environnement - Partie 3-1: Documentation  
d'accompagnement et recommandations - Essais de froid  
et de chaleur sèche  
(IEC 60068-3-1:2023)

Umgebungseinflüsse - Teil 3-1: Unterstützende  
Dokumentation und Leitfaden - Prüfungen Kälte und  
Trockene Wärme  
(IEC 60068-3-1:2023)

This European Standard was approved by CENELEC on 2023-08-03. 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**

## **European foreword**

The text of document 104/986/FDIS, future edition 3 of IEC 60068-3-1, 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 60068-3-1:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2024-05-03 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2026-08-03 document have to be withdrawn

This document supersedes EN 60068-3-1:2011 and all of its amendments and corrigenda (if any).

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Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

### **Endorsement notice**

The text of the International Standard IEC 60068-3-1:2023 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 standard indicated:

IEC 60068-1:2013	NOTE	Approved as EN 60068-1:2014 (not modified)
IEC 60068-2-1	NOTE	Approved as EN 60068-2-1
IEC 60068-2-2	NOTE	Approved as EN 60068-2-2
IEC 60068-2-14	NOTE	Approved as EN 60068-2-14
IEC 60068-3-11	NOTE	Approved as EN 60068-3-11



# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Environmental testing –  
Part 3-1: Supporting documentation and guidance – Cold and dry heat tests**

**Essais d'environnement –  
Partie 3-1: Documentation d'accompagnement et recommandations – Essais de  
froid et de chaleur sèche**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**ENVIRONMENTAL TESTING –****Part 3-1: Supporting documentation and guidance –  
Cold and dry heat tests****FOREWORD**

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IEC 60068-3-1 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 2011. This edition constitutes a technical revision.

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

- a) information relating to specimen temperatures has been revised;
- b) information relating to tests of multiple specimens has been revised;
- c) the effect of air density has been added;
- d) a recommendation for corrective actions regarding IR radiation has been added;
- e) the requirements for the mounting and supports of the specimen have been revised.

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

Draft	Report on voting
104/986/FDIS	104/1002/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 60068 series, published under the general title *Environmental testing*, 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,
- replaced by a revised edition, or
- amended.

## **ENVIRONMENTAL TESTING –**

### **Part 3-1: Supporting documentation and guidance – Cold and dry heat tests**

#### **1 Scope**

This part of IEC 60068 provides guidance regarding the performance of cold and dry heat tests.

#### **2 Normative references**

There are no normative references in this document.