



**National Standards Authority of Ireland**

**IRISH STANDARD**

**I.S. EN 60654-4:1999**

ICS 25.040.40

**OPERATING CONDITIONS FOR  
INDUSTRIAL-PROCESS MEASUREMENT AND  
CONTROL EQUIPMENT. PART 4: CORROSIVE  
AND EROSION INFLUENCES  
(IEC 60654-4:1987)**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60654-4**

August 1997

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ICS 25.040.40

Descriptors: Industrial process, measurement, control, operating conditions, corrosive and erosive influences

English version

**Operating conditions for industrial-process measurement and  
control equipment  
Part 4: Corrosive and erosive influences  
(IEC 60654-4:1987)**

Conditions de fonctionnement pour  
les matériels de mesure et commande  
dans les processus industriels  
Partie 4: Influences de la corrosion et  
de l'érosion  
(CEI 60654-4:1987)

Einsatzbedingungen für Meß-, Steuer-  
und Regeleinrichtungen in der  
industriellen Prozeßtechnik  
Teil 4: Korrosive und erosive Einflüsse  
(IEC 60654-4:1987)

This European Standard was approved by CENELEC on 1997-07-01. 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

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

### **Foreword**

The text of the International Standard IEC 60654-4:1987, prepared by SC 65A, System aspects, of IEC TC 65, Industrial-process measurement and control, was submitted to the formal vote and was approved by CENELEC as EN 60654-4 on 1997-07-01 without any modification.

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) 1998-06-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 1998-06-01

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### **Endorsement notice**

The text of the International Standard IEC 60654-4:1987 was approved by CENELEC as a European Standard without any modification.

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# NORME INTERNATIONALE INTERNATIONAL STANDARD

**CEI  
IEC  
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1987



Commission Electrotechnique Internationale

International Electrotechnical Commission

Международная Электротехническая Комиссия

## **Conditions de fonctionnement pour les matériels de mesure et commande dans les processus industriels**

**Quatrième partie: Influences de la corrosion et de l'érosion**

## **Operating conditions for industrial-process measurement and control equipment**

**Part 4: Corrosive and erosive influences**

## Révision de la présente publication

Le contenu technique des publications de la CEI est constamment revu par la Commission afin d'assurer qu'il reflète bien l'état actuel de la technique.

Les renseignements relatifs à ce travail de révision, à l'établissement des éditions révisées et aux mises à jour peuvent être obtenus auprès des Comités nationaux de la CEI et en consultant les documents ci-dessous:

- **Bulletin de la CEI**
- **Annuaire de la CEI**
- **Catalogue des publications de la CEI**  
Publié annuellement

## Terminologie

En ce qui concerne la terminologie générale, le lecteur se reportera à la Publication 50 de la CEI: Vocabulaire Electrotechnique International (VEI), qui est établie sous forme de chapitres séparés traitant chacun d'un sujet défini, l'Index général étant publié séparément. Des détails complets sur le VEI peuvent être obtenus sur demande.

Les termes et définitions figurant dans la présente publication ont été soit repris du VEI, soit spécifiquement approuvés aux fins de cette publication.

## Symboles graphiques et littéraires

Pour les symboles graphiques, symboles littéraires et signes d'usage général approuvés par la CEI, le lecteur consultera:

- la Publication 27 de la CEI: Symboles littéraires à utiliser en électrotechnique;
- la Publication 617 de la CEI: Symboles graphiques pour schémas.

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## Publications de la CEI établies par le même Comité d'Etudes

L'attention du lecteur est attirée sur le deuxième feuillet de la couverture, qui énumère les publications de la CEI préparées par le Comité d'Etudes qui a établi la présente publication.

## Revision of this publication

The technical content of IEC publications is kept under constant review by the IEC, thus ensuring that the content reflects current technology.

Information on the work of revision, the issue of revised editions and amendment sheets may be obtained from IEC National Committees and from the following IEC sources:

- **IEC Bulletin**
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- **Catalogue of IEC Publications**  
Published yearly

## Terminology

For general terminology, readers are referred to IEC Publication 50: International Electrotechnical Vocabulary (IEV), which is issued in the form of separate chapters each dealing with a specific field, the General Index being published as a separate booklet. Full details of the IEV will be supplied on request.

The terms and definitions contained in the present publication have either been taken from the IEV or have been specifically approved for the purpose of this publication.

## Graphical and letter symbols

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- IEC Publication 617: Graphical symbols for diagrams.

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