



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 61248-4:1998**

ICS 29.100.10  
29.180

**TRANSFORMERS AND INDUCTORS FOR USE  
IN ELECTRONIC AND TELECOMMUNICATION  
EQUIPMENT. PART 4: SECTIONAL  
SPECIFICATION FOR POWER  
TRANSFORMERS FOR SWITCHED MODE  
POWER SUPPLIES (SMPS) ON THE BASIS OF  
THE CAPABILITY APPROVAL PROCEDURE  
(IEC 61248-4:1996)**

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Údarás um Chaighdeáin Náisiúnta na hÉireann



## **DECLARATION**

**OF**

**SPECIFICATION**

**ENTITLED**

**TRANSFORMERS AND INDUCTORS FOR USE IN ELECTRONIC AND  
TELECOMMUNICATION EQUIPMENT. PART 4: SECTIONAL SPECIFICATION FOR  
POWER TRANSFORMERS FOR SWITCHED MODE POWER SUPPLIES (SMPS) ON  
THE BASIS OF THE CAPABILITY APPROVAL PROCEDURE (IEC 61248-4:1996)**

**AS**

**THE IRISH STANDARD SPECIFICATION FOR**

**TRANSFORMERS AND INDUCTORS FOR USE IN ELECTRONIC AND  
TELECOMMUNICATION EQUIPMENT. PART 4: SECTIONAL SPECIFICATION FOR  
POWER TRANSFORMERS FOR SWITCHED MODE POWER SUPPLIES (SMPS) ON  
THE BASIS OF THE CAPABILITY APPROVAL PROCEDURE (IEC 61248-4:1996)**

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NSAI in exercise of the power conferred by section 16 (3) of the National Standards Authority of Ireland Act, 1966 (No. 28 of 1996) and with the consent of the Minister for Enterprise, Trade and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Transformers and inductors for use in electronic and telecommunication equipment. Part 4: Sectional specification for power transformers for switched mode power supplies (SMPS) on the basis of the capability approval procedure (IEC 61248-4:1996)) Declaration, 1998.

2. (1) The Specification set forth in the schedule to this declaration is hereby declared to be the standard specification for Transformers and inductors for use in electronic and telecommunication equipment. Part 4: Sectional specification for power transformers for switched mode power supplies (SMPS) on the basis of the capability approval procedure (IEC 61248-4:1996). The Schedule comprises the text of EN 61248-4:1997.

(2) The said standard specification may be cited as Irish Standard EN 61248-4:1998 or as I.S. EN 61248-4:1998.



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61248-4**

August 1997

ICS 29.180

Descriptors: Power transformers for switched mode power supplies (SMPS), sectional specification, capability approval, preparation of the detail specification, inspection requirements, detail specification

English version

**Transformers and inductors for use in electronic and  
telecommunication equipment  
Part 4: Sectional specification for power transformers for  
switched mode power supplies (SMPS) on the basis of  
the capability approval procedure  
(IEC 61248-4:1996)**

Transformateurs et inductances  
destinés aux équipements électroniques  
et de télécommunications  
Partie 4: Spécification intermédiaire  
pour les transformateurs de puissance  
pour alimentations à découpage (SMPS)  
sur la base de la procédure de  
l'agrément de savoir-faire  
(CEI 61248-4:1996)

Transformatoren und Drosseln für  
elektronische und nachrichtentechnische  
Einrichtungen  
Teil 4: Rahmenspezifikation für  
Leistungstransformatoren für  
Schaltnetzteile (SMPS) mit  
Befähigungsanerkennung  
(IEC 61248-4:1996)

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 61248-4:1996, prepared by IEC TC 51, Magnetic components and ferrite materials, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 61248-4 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

Annexes designated "normative" are part of the body of the standard.  
In this standard, annexes A and ZA are normative.  
Annex ZA has been added by CENELEC.

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### **Endorsement notice**

The text of the International Standard IEC 61248-4:1996 was approved by CENELEC as a European Standard without any modification.

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