



National Standards Authority of Ireland
Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD

I.S. EN 61557-6:2007

ICS 17.220.20
29.080.01
29.240.01

**ELECTRICAL SAFETY IN LOW VOLTAGE
DISTRIBUTION SYSTEMS UP TO 1 000 V A.
C. AND 1 500 V D.C. - EQUIPMENT FOR
TESTING, MEASURING OR MONITORING
OF PROTECTIVE MEASURES -- PART 6:
EFFECTIVENESS OF RESIDUAL CURRENT
DEVICES (RCD) IN TT, TN AND IT SYSTEMS
(IEC 61557-6:2007 (EQV))**

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EUROPEAN STANDARD

EN 61557-6

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2007

ICS 17.220.20; 29.080.01; 29.240.01

Supersedes EN 61557-6:1998

English version

**Electrical safety in low voltage distribution systems
up to 1 000 V a.c. and 1 500 V d.c. -
Equipment for testing, measuring or monitoring of protective measures -
Part 6: Effectiveness of residual current devices (RCD)
in TT, TN and IT systems
(IEC 61557-6:2007)**

Sécurité électrique dans les réseaux
de distribution basse tension
de 1 000 V c.a. et 1 500 V c.c. -
Dispositifs de contrôle, de mesure
ou de surveillance de mesures
de protection -
Partie 6: Efficacité des dispositifs
à courant résiduel (DCR)
dans les réseaux TT, TN et IT
(CEI 61557-6:2007)

Elektrische Sicherheit
in Niederspannungsnetzen
bis AC 1 000 V und DC 1 500 V -
Geräte zum Prüfen, Messen oder
Überwachen von Schutzmaßnahmen -
Teil 6: Wirksamkeit von Fehlerstrom-
Schutzeinrichtungen (RCD)
in TT-, TN- und IT-Systemen
(IEC 61557-6:2007)

This European Standard was approved by CENELEC on 2007-10-01. 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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

I.S. EN 61557-6:2007

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Foreword

The text of document 85/279A/CDV, future edition 2 of IEC 61557-6, prepared by IEC TC 85, Measuring equipment for electrical and electromagnetic quantities, was submitted to the IEC-CENELEC parallel Unique Acceptance Procedure and was approved by CENELEC as EN 61557-6 on 2007-10-01.

This European Standard supersedes EN 61557-6:1998.

The following changes were made with respect to EN 61557-6:1998:

- title and scope complemented;
- definitions complemented;
- revision of requirements;
- "tripping tests" and "non-tripping tests" subclauses complemented;
- "operating instructions" subclause complemented;
- addition of Annex A.

This standard is to be used in conjunction with EN 61557-1.

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) | 2008-07-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2010-10-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61557-6:2007 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 standards indicated:

IEC 60359	NOTE Harmonized as EN 60359:2002 (not modified).
IEC 61008-1	NOTE Harmonized as EN 61008-1:2004 (modified).

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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/TR 60755	- ¹⁾	General requirements for residual current operated protective devices	-	-
IEC 60947-2	- ¹⁾	Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	EN 60947-2	2006 ²⁾
IEC 61008 (mod)	Series	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)	EN 61008	Series
IEC 61009 (mod)	Series	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	EN 61009	Series
IEC 61010-1	2001	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements	EN 61010-1 + corr. June	2001 2002
IEC 61557-1	2007	Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 1: General requirements	EN 61557-1	2007

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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