



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60439-5:2006

ICS 29.130.20
29.240.99

**LOW-VOLTAGE SWITCHGEAR AND
CONTROLGEAR ASSEMBLIES -- PART 5:
PARTICULAR REQUIREMENTS FOR
ASSEMBLIES FOR POWER DISTRIBUTION
IN PUBLIC NETWORKS (IEC 60439-5:2006
(EQV))**

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Údarás um Chaighdeán Náisiúnta na hÉireann

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60439-5

October 2006

ICS 29.130.20; 29.240.99

Supersedes EN 60439-5:1996 + A1:1998 and EN 50300:2004

English version

**Low-voltage switchgear and controlgear assemblies
Part 5: Particular requirements for assemblies
for power distribution in public networks
(IEC 60439-5:2006)**

Ensembles d'appareillage
à basse tension
Partie 5: Règles particulières
pour les ensembles pour réseaux
de distribution publics
(CEI 60439-5:2006)

Niederspannungs-
Schaltgerätekombinationen
Teil 5: Besondere Anforderungen
für Schaltgerätekombinationen
in Energieverteilungsnetzen
(IEC 60439-5:2006)

This European Standard was approved by CENELEC on 2006-09-01. 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, 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

Foreword

The text of document 17D/334/FDIS, future edition 2 of IEC 60439-5, prepared by SC 17D, Low-voltage switchgear and controlgear assemblies, of IEC TC 17, Switchgear and controlgear, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60439-5 on 2006-09-01.

This European Standard supersedes EN 60439-5:1996 + A1:1998 and EN 50300:2004.

The main change with respect to EN 60439-5:1996 is the inclusion of substation cable distribution boards (SCDBs). The title has therefore been amended.

In view of the fact that this publication should be read in conjunction with EN 60439-1:1999, the numbering of its clauses and subclauses correspond with the latter. The clauses of this standard supplement, modify or replace clauses in EN 60439-1.

Where there is no corresponding clause or subclause in this standard, the clause or subclause of the main document applies without modification.

Clauses, subclauses, figures and tables which are additional to those in Part 1 are numbered starting from 101.

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) | 2007-06-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2009-09-01 |

Annexes ZA and ZB have been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60439-5:2006 was approved by CENELEC as a European Standard without any modification.

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 60068-2-11 | 1981 | Environmental testing Part 2: Tests - Test Ka: Salt mist | EN 60068-2-11 | 1999 |
| IEC 60068-2-30 | 2005 | Environmental testing Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle) | EN 60068-2-30 | 2005 |
| IEC 60238 | 2004 | Edison screw lampholders | EN 60238 + corr. January | 2004 2005 |
| IEC 60269-1 | 1998 | Low-voltage fuses Part 1: General requirements | EN 60269-1 | 1998 |
| IEC 60439-1 A1 | 1999 2004 | Low-voltage switchgear and controlgear assemblies Part 1: Type-tested and partially type-tested assemblies | EN 60439-1 A1 | 1999 2004 |
| IEC 60446 | 1999 | Basic and safety principles for man-machine interface, marking and identification - Identification of conductors by colours or numerals | EN 60446 | 1999 |
| IEC 60529 A1 | 1989 1999 | Degrees of protection provided by enclosures (IP Code) | EN 60529 + corr. May A1 | 1991 1993 2000 |
| IEC 60695-11-10 | 1999 | Fire hazard testing Part 11-10: Test flames - 50 W horizontal and vertical flame test methods | EN 60695-11-10 | 1999 |
| ISO 3231 | 1993 | Paints and varnishes - Determination of resistance to humid atmospheres containing sulphur dioxide | EN ISO 3231 | 1997 |
| ISO 4628-3 | 2003 | Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance Part 3: Assessment of degree of rusting | EN ISO 4628-3 | 2003 |
| ISO 4892-2 | 1994 | Plastics - Methods of exposure to laboratory light sources Part 2: Xenon arc sources | EN ISO 4892-2 | 1999 |
| ISO 6506-1 | 2005 | Metallic materials - Brinell hardness test Part 1: Test method | EN ISO 6506-1 | 2005 |

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| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|--|--------------|-------------|
| ISO 9223 | 1992 | Corrosion of metals and alloys - Corrosivity of - atmosphere - Classification | | - |

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