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STANDARD

I.S. EN 50300:2004

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National Standards
Authority of Ireland
Dublin 9
Ireland

Tel: (01) 807 3800
Fax: (01) 807 3838

LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR ASSEMBLIES - GENERAL REQUIREMENTS FOR LOW-VOLTAGE SUBSTATION CABLE DISTRIBUTION BOARDS

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EUROPEAN STANDARD **EN 50300**

NORME EUROPÉENNE

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English version

Low-voltage switchgear and controlgear assemblies – General requirements for low-voltage substation cable distribution boards

Ensembles d'appareillage à basse tension - Règles générales pour les tableaux de poste basse tension

Niederspannungs-Schaltgerätekombinationen – Allgemeine Anforderungen an Niederspannungsverteilungen in Netzstationen

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 17D, Low-voltage switchgear and controlgear assemblies.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50300 on 2004-03-01.

This European Standard is to be used in conjunction with EN 60439-1:1999.

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)	2005-03-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2007-03-01

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Contents

Page

Introduction 4
1 General 4
2 Definitions 5
3 Classification of ASSEMBLIES 6
4 Electrical characteristics of ASSEMBLIES 7
5 Information to be given regarding the ASSEMBLY 7
6 Service conditions 7
7 Design and construction 8
8 Test specifications 11
Annex A (normative) Cross-sections of conductors 21

Figures

Figure 101 – Typical enclosure mounting arrangements for mechanical strength tests 22
Figure 102 – Testing arrangement for the verification of resistance to static load 22
Figure 103 – Sandbag for test to verify resistance to shock load 23
Figure 104 – Diagram of test to verify resistance to shock load 23
Figure 105 – Diagram of test to verify resistance to torsional stress 24
Figure 106 – Diagram of test to verify impact force withstand 24
Figure 107 – Diagram of test to verify mechanical strength of door 25
Figure 108 – Striker element for test of resistance to impact by sharp edged objects 25

Tables

Table 101 – List of additional verifications and tests 12
Table 102 – Axial load to be applied to the inserts 16
Table A.1 – Minimum and maximum cross-sections of copper and aluminium conductors suitable for connection (see 7.1.3.2) 21

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Introduction

The clauses of this standard supplement, modify or replace clauses in EN 60439-1:1999, Low-voltage switchgear and controlgear assemblies - Part 1: Type-tested and partially type-tested assemblies.

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

In view of the fact that this publication is to be read in conjunction with EN 60439-1, the numbering of its clauses and subclauses correspond with the latter.

Subclauses, figures and tables which are additional to those in EN 60439-1 are numbered starting from 101.

1 General

1.1 Scope and object

This standard gives supplementary requirements for low voltage switchgear and controlgear assemblies for public distribution transforming sub-stations. They are stationary, type tested assemblies (TTA) for installation in places where only authorised persons have access for their use, however, outdoor types may be installed in situations which may be accessible to the public.

They are connected to the low voltage terminals of distribution transformers by means of connecting bars, rods or cables and are for use in low voltage public three phase systems.

Individual components such as fuses and switching devices complying with other standards, shall also comply with the supplementary requirements of this standard.

The object of this standard is to state the definitions and to specify the service conditions, construction requirements, technical characteristics and tests for Substation Cable Distribution Boards. Network parameters may require type tests at higher performance levels.

NOTE Where local regulations and practices permit, a Substation Cable Distribution Board to this standard may be used in other than public networks as agreed between the manufacturer and the user.

1.2 Normative references

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.

EN 60068-2-11:1999	Environmental testing -- Part 2: Tests - Test Ka: Salt mist (IEC 60068-2-11:1981)
EN 60068-2-30:1999	Environmental testing -- Part 2: Tests - Test Db and guidance: Damp heat, cyclic (12 + 12 hour cycle) (IEC 60068-2-30:1980 + A1:1985)
EN 60238:1998	Edison screw lampholders (IEC 60238:1998)
EN 60269-1:1989	Low-voltage fuses -- Part 1: General requirements (IEC 60269-1:1986)
EN 60439-1:1999	Low-voltage switchgear and controlgear assemblies -- Part 1: Type-tested and partially type-tested assemblies (IEC 60439-1:1999)

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