ISBN 978-0-626-32277-9

SANS 60439-3:2007
Edition 1.2

IEC 60439-3:2001
Edition 1.2

SOUTH AFRICAN NATIONAL STANDARD

Low-voltage switchgear and controlgear assemblies

Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use — Distribution boards

This national standard is the identical implementation of IEC 60439-3:2001, and is adopted with the permission of the International Electrotechnical Commission.

WARNING — Can only be used in conjunction with SANS 60439-1.

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Table of changes

Change No.	Date	Scope
IEC amdt 1	1993	Amended to add requirements for the verification of impact strength, resistance to humidity, mechanical strength of fastening means of enclosures, to add and replace tables, and to replace type tests.
IEC amdt 2	2001	Amended to delete requirements for marking, to add a requirement for pollution degree, to change requirements for protection against electrical shock, to change clause numbers and to replace tables 7 and 7a.

National foreword

This South African standard was approved by National Committee SABS/TC 067/SC 02, *Electricity distribution systems and components – Low-voltage switchgear*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This SANS document was published in November 2007.

This SANS document supersedes SABS IEC 60439-3:1990 (first edition).

Reaffirmed and reprinted in July 2015.
This document will be reviewed every five years
and be reaffirmed, amended, revised or withdrawn.

NORME INTERNATIONALE

INTERNATIONAL STANDARD

CEI
IEC
60439-3

Edition 1.2

2001-05

Edition 1:1990 consolidée par les amendements 1:1993 et 2:2001
Edition 1:1990 consolidated with amendments 1:1993 and 2:2001

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR ASSEMBLIES –

Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use – Distribution boards

FOREWORD

1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60439-3 has been prepared by subcommittee 17D: Low-voltage switchgear and controlgear assemblies, of IEC technical committee 17: Switchgear and controlgear.

This consolidated version of IEC 60439-3 is based on the first edition (1990) [documents 17D(CO)36 and 17D(CO)40], its amendment 1 (1993) [documents 17D(CO)53 and 17D(CO)58] and its amendment 2 (2001) [documents 17D/239/FDIS and 17D/243/RVD].

It bears the edition number 1.2.

A vertical line in the margin shows where the base publication has been modified by amendments 1 and 2.

Distribution boards shall comply with all requirements of IEC 60439-1 (1999): *Low-voltage switchgear and controlgear assemblies, Part 1: Type-tested and partially type-tested assemblies*, if not otherwise indicated hereinafter and shall also comply with the particular requirements contained in this publication.

The clauses of this standard supplement, modify or replace clauses in IEC 60439-1 (1999).