



BSI Standards Publication

Low-voltage switchgear and controlgear assemblies

Part 3: Distribution boards intended to be operated by ordinary persons (DBO)

National foreword

This British Standard is the UK implementation of EN 61439-3:2012. It is identical to IEC 61439-3:2012, incorporating corrigenda September 2013 and March 2019. It supersedes BS EN 60439-3:1991+A2:2001, which is withdrawn.

Text altered by IEC corrigendum March 2019 is indicated in the text by AC AC.

Attention is drawn to the UK Deviation listed in Annex ZB. CENELEC has acknowledged that Table ZB.3 contains errors but has not issued a corrigendum. A corrected version of Table ZB.3 is reproduced below:

Table ZB.3 – Cross sections of copper conductors on load side of protective device under test

Device Rating A		Conductor mm ²
	≤ 6	1,0
> 6	≤ 10	1,5
> 10	≤ 20	2,5
> 20	≤ 32	6,0
> 32	≤ 40	10,0

The UK participation in its preparation was entrusted to Technical Committee PEL/121/2, Low voltage switchgear and controlgear assemblies.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

Date	Text affected
30 September 2013	Implementation of IEC corrigendum September 2013: Clause 11 modified
31 December 2015	Correction to Table ZB.3
31 March 2019	Implementation of IEC corrigendum March 2019

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61439-3

April 2012

ICS 29.130.20

Supersedes EN 60439-3:1991 + A1:1994 + A2:2001

English version

**Low-voltage switchgear and controlgear assemblies -
Part 3: Distribution boards intended to be operated by ordinary persons
(DBO)
(IEC 61439-3:2012)**

Ensembles d'appareillage à basse tension -
Partie 3: Tableaux de répartition destinés à
être utilisés par des personnes ordinaires
(DBO)
(CEI 61439-3:2012)

Niederspannungs-
Schaltgerätekombinationen -
Teil 3: Installationsverteiler für die
Bedienung durch Laien (IVL)
(IEC 61439-3:2012)

This European Standard was approved by CENELEC on 2012-03-22. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, 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, Turkey and the United Kingdom.

CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 17D/448/FDIS, future edition 1 of IEC 61439-3, 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 approved by CENELEC as EN 61439-3:2012.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-12-22
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-03-22

This document supersedes EN 60439-3:1991 + A1:1994 + A2:2001 + corrigendum November 2009.

EN 61439-3:2012 includes the following significant technical changes with respect to EN 60439-3:1991:

– alignment with EN 61439-1:2011.

This standard is to be read in conjunction with EN 61439-1. The provisions of the general rules dealt with in EN 61439-1 (hereinafter referred to as Part 1) are applicable to this standard where they are specifically cited. When this standard states "addition" "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC)

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

Endorsement notice

The text of the International Standard IEC 61439-3:2012 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60947-2

NOTE Harmonized as EN 60947-2.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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>
Addition to Annex ZA of EN 61439-1:2011:				
IEC 60068-2-75	-	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	-
IEC 60269-3	-	Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household or similar applications) - Examples of standardized systems of fuses A to F	HD 60269-3	-
IEC 60898-1 (mod)	2002	Electrical accessories - Circuit breakers for overcurrent protection for household and similar installations - Part 1: Circuit-breakers for a.c. operation	EN 60898-1 + corr. February + A11 + A12	2003 2004 2005 2008
IEC 61008	Series	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's)	EN 61008	Series
IEC 61009	Series	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs)	EN 61009	Series
IEC 61439-1	2011	Low-voltage switchgear and controlgear assemblies - Part 1: General rules	EN 61439-1	2011
IEC 62423 (mod) + corr. December	2009 2011	Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses	FprEN 62423	201X ¹⁾

¹⁾ At draft stage.