



**Irish Standard**  
**I.S. EN IEC 61439-7:2023**

**Version 2.00**

**Low-voltage switchgear and controlgear assemblies - Part 7:  
Assemblies for specific applications such as marinas,  
camping sites, market squares, electric vehicle charging  
stations**

## I.S. EN IEC 61439-7:2023 V2.00

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## **National Foreword**

I.S. EN IEC 61439-7:2023 V2.00 is the version of the NSAI adopted European document EN IEC 61439-7:2023, *Low-voltage switchgear and controlgear assemblies - Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicle charging stations*, including any Corrections, Amendments etc. to EN IEC 61439-7:2023.

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN IEC 61439-7**

September 2023

ICS 29.130.20

Supersedes EN IEC 61439-7:2020

English Version

**Low-voltage switchgear and controlgear assemblies - Part 7:  
Assemblies for specific applications such as marinas, camping  
sites, market squares, electric vehicle charging stations  
(IEC 61439-7:2022)**

Ensembles d'appareillage à basse tension - Partie 7:  
Ensembles pour les applications spécifiques comme les  
marinas, les terrains de camping, les marchés et pour les  
bornes de charge de véhicules électriques  
(IEC 61439-7:2022)

Niederspannungs-Schaltgerätekombinationen - Teil 7:  
Schaltgerätekombinationen für bestimmte Anwendungen  
wie Marinas, Campingplätze, Marktplätze, Ladestationen für  
Elektrofahrzeuge  
(IEC 61439-7:2022)

This European Standard was approved by CENELEC on 2023-09-06. 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.

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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

## European foreword

The text of document 121B/138/CDV, future edition 2 of IEC 61439-7, prepared by SC 121B "Low-voltage switchgear and controlgear assemblies" of IEC/TC 121 "Switchgear and controlgear and their assemblies for low voltage" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61439-7:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2024-06-06 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2026-09-06 document have to be withdrawn

This document supersedes EN IEC 61439-7:2020 and all of its amendments and corrigenda (if any).

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This document has been prepared under a Standardization Request addressed to CENELEC by the European Commission.

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## Endorsement notice

The text of the International Standard IEC 61439-7:2022 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 standard indicated:

IEC 60364-7-708:2017 NOTE Approved as HD 60364-7-708:2017 (not modified)

IEC 60364-7-709:2007 NOTE Approved as HD 60364-7-709:2009 (not modified)

IEC 60364-7-722:2018 NOTE Approved as HD 60364-7-722:2018 (modified)

IEC 60364-7-740:2000 NOTE Approved as HD 60364-7-740:2006

IEC 60670-24 NOTE Approved as EN 60670-24

IEC 61439-3 NOTE Approved as EN 61439-3

IEC 61643 (series) NOTE Approved as EN IEC 61643 (series)

IEC 61851-1:2017 NOTE Approved as EN IEC 61851-1:2019 (not modified)

IEC 61851-23 NOTE Approved as EN 61851-23

ISO 17409:2020 NOTE Approved as EN ISO 17409:2020 (not modified)

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

The Annex ZA of EN IEC 61439-1:2021 applies with the following changes:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
<i>Add the following references:</i>				
IEC 60068-2-27	-	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock	EN 60068-2-27	-
IEC 60068-2-75	-	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	-
IEC 61439-1	2020	Low-voltage switchgear and controlgear assemblies - Part 1: General rules	EN IEC 61439-1	2021
IEC 62262	2002	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	EN 62262	2002
+ AMD	2021		+ A1	2021

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Edition 2.0 2022-07

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Low-voltage switchgear and controlgear assemblies –  
Part 7: Assemblies for specific applications such as marinas, camping sites,  
market squares, electric vehicle charging stations**

**Ensembles d'appareillage à basse tension –  
Partie 7: Ensembles pour les applications spécifiques comme les marinas, les  
terrains de camping, les marchés et pour les bornes de charge de véhicules  
électriques**



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IEC 61439-7

Edition 2.0 2022-07

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



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**Low-voltage switchgear and controlgear assemblies –  
Part 7: Assemblies for specific applications such as marinas, camping sites,  
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terrains de camping, les marchés et pour les bornes de charge de véhicules  
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## CONTENTS

FOREWORD .....	3
1 Scope .....	5
2 Normative references .....	6
3 Terms and definitions .....	6
4 Symbols and abbreviations .....	9
5 Interface characteristics .....	9
6 Information .....	10
7 Service conditions .....	11
8 Constructional requirements .....	11
9 Performance requirements .....	13
10 Design verification .....	13
11 Routine verification .....	21
Annexes .....	23
Annex AA (informative) User information template .....	24
Annex BB (informative) Design verification .....	28
Annex CC (normative) Endurance of the individual switching device .....	29
Annex DD (informative) Examples of assemblies in accordance with 5.701.1.1 .....	33
Annex EE (informative) Verification of resistance to mechanical shock impacts induced by sharp edged objects .....	34
Annex FF (informative) List of notes concerning certain countries .....	35
Bibliography .....	37
 Figure 701 – Diagram of test to verify the resistance to static load .....	15
Figure 702 – Diagram of test to verify the mechanical strength of doors .....	16
Figure 703 – Sandbag for test to verify the resistance to shock load .....	17
Figure 704 – Diagram of test to verify resistance to shock load .....	18
Figure 705 – Diagram of test to verify resistance to torsional stress .....	20
Figure CC.1 – Test circuit for endurance of the individual switching device test .....	31
Figure CC.2 – Informative wave shape of inrush current for tests in accordance with Annex CC .....	32
Figure DD.1 – Examples of assemblies according to 5.701.1.1 .....	33
Figure EE.1 – Striker element for test of resistance to mechanical shock impacts induced by sharp-edged objects .....	34
 Table 701 – Values of assumed loading .....	21
Table 702 – Mechanical tests .....	22
Table AA.1 – User information template .....	24
Table BB.1 – List of design verifications to be performed .....	28

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR ASSEMBLIES –****Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicle charging stations**

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IEC 61439-7 has been prepared by subcommittee 121B: Low-voltage switchgear and controlgear assemblies, of IEC technical committee 121: Switchgear and controlgear and their assemblies for low voltage.

This second edition cancels and replaces the first edition published in 2018. It constitutes a technical revision.

This edition includes the following changes with respect to the previous technical specification:

- a) a general editorial review and a technical revision.

The text of this document is based on the following documents:

Draft	Report on voting
121B/138/CDV	121B/150/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document is to be read in conjunction with IEC 61439-1:2020. The provisions of the general rules dealt with in IEC 61439-1:2020 are applicable to this document where they are specifically cited. When this document states "addition", "modification" or "replacement", the relevant text in IEC 61439-1:2020 is to be adapted accordingly.

Subclauses that are numbered with a 701 (702, 703, etc.) suffix are additional to the same subclause in IEC 61439-1:2020.

Tables and figures in this document that are new are numbered starting with 701.

New annexes in this document are lettered AA, BB, etc.

In this document, the term assembly is defined in 3.1.1 of IEC 61439-1:2020.

The reader's attention is drawn to the fact that Annex FF lists all of the "in-some-country" clauses on differing practices of a less permanent nature relating to the subject of this document.

A list of all parts of the IEC 61439 series, under the general title *Low-voltage switchgear and controlgear assemblies*, can be found on the IEC website.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

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## LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR ASSEMBLIES –

### Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicle charging stations

#### 1 Scope

Clause 1 of IEC 61439-1:2020 is applicable except as follows.

##### *Replacement:*

This part of IEC 61439 defines the specific requirements for assemblies for the following applications: marinas, camping sites, market squares and electric vehicle charging stations as follows:

- assemblies for which the rated voltage does not exceed 1 000 V AC or 1 500 V DC;
- assemblies intended for use in connection with the generation, transmission, distribution and conversion of electric energy, and for the control of electric energy consuming equipment;
- assemblies operated by ordinary persons (e.g. to plug and unplug of electrical equipment);
- assemblies intended to be installed and used in market squares, marinas, camping sites and other similar sites accessible to the public including temporary installations;
- assemblies intended for charging stations for electric vehicles (AEVCS) for Mode 3 and Mode 4. They are designed to integrate the functionality and additional requirements for electric vehicle conductive charging systems according to IEC 61851-1:2017.

NOTE 1 Throughout this document, the terms AMHS (see 3.1.701), ACCS (see 3.1.702), AMPS (see 3.1.703), AEVCS (see 3.1.704) are used for low-voltage switchgear and controlgear assemblies intended for use respectively in marinas and similar locations (AMHS), camping sites and similar locations (ACCS), market squares and other similar external public sites (AMPS) and charging stations (AEVCS). The term assemblies is used for indicating all these boards.

This document is not applicable to assemblies intended to be installed on board of ships, houseboats, pleasure crafts and similar vessels.

For the correct selection of the switching devices and components, the following standards apply:

- IEC 60364-7-709 (AMHS) or
- IEC 60364-7-708 (ACCS) or
- IEC 60364-7-740 (AMPS) or
- IEC 60364-7-722 (AEVCS).

This document applies to all assemblies whether they are designed, manufactured and verified on a one-off basis or fully standardised and manufactured in quantity.

The manufacturing and/or assembling can be carried out other than by the original manufacturer (see 3.10.1 of IEC 61439-1:2020).

This document does not apply to individual devices and self-contained components such as circuit breakers, fuse switches, electronic equipment, which comply with their relevant product standards.

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