

SLOVENSKI STANDARD

SIST EN 60439-4:1995

01-december-1995

Sestavi nizkonapetostnih stikalnih in krmilnih naprav – 4. del: Posebne zahteve za na gradbiščih (ACS)

Low-voltage switchgear and controlgear assemblies -- Part 4: Particular requirements for assemblies for construction sites (ACS)

Niederspannung-Schaltgerätekombinationen -- Teil 4: Besondere Anforderungen an Baustromverteiler (BV)

Ensembles d'appareillage à basse tension -- Partie 4: Règles particulières pour ensembles de chantier (EC)

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Ta slovenski standard je istoveten z: EN 60439-4:1991

ICS:

29.130.20	Nizkonapetostne stikalne in krmilne naprave	Low voltage switchgear and controlgear
91.200	Gradbena tehnologija	Construction technology

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en

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EUROPEAN STANDARD

EN 60439-4

NORME EUROPEENNE

EUROPÄISCHE NORM

April 1991

UDC 621.316.54:621.316.344:621.3.027.2:69:620.1

Descriptors: Low-voltage switchgear, assemblies for construction site (ACS)

ENGLISH VERSION

LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR ASSEMBLIES
 PART 4: PARTICULAR REQUIREMENTS FOR ASSEMBLIES FOR
 CONSTRUCTION SITES (ACS)
 (IEC 439-4:1990)

Ensembles d'appareillage à
 basse tension
 Quatrième partie: Règles particulières
 pour ensembles de chantier (EC)
 (CEI 439-4:1990)

Niederspannung-Schaltgeräte-
 kombinationen
 Teil 4: Besondere Anforderungen
 an Baustromverteiler (BV)
 (IEC 439-4:1990)

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This European Standard was approved by CENELEC on 1990-12-10.
 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,
 Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg,
 Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and 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

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Ref. No. EN 60439-4:1991 E

1991-10-21

FOREWORD

Following the decision taken by CENELEC Technical Committee TC 17D at their Brussels meeting in October 1989, the International Standard IEC 439-4:1990 was submitted to the CENELEC Unique Acceptance Procedure (UAP) in April 1990 for acceptance as a European Standard.

The text of the reference document was approved by CENELEC as EN 60439-4 on 10 December 1990.

The following dates were fixed:

- latest date of publication of
an identical national standard (dop) 1991-12-01
- latest date of withdrawal of
conflicting national standards (dow) 1991-12-01

For products which have complied with the relevant national standard before 1991-12-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1996-12-01.

Annexes designated "normative" are part of the body of the standard. Annexes designated "informative" are given only for information. In this standard, annex ZA is normative and annex ZB is informative.

The foreword of the reference document contains the following important information:

- Assemblies for construction sites (ACS) shall comply with all requirements of EN 60439-1:1990, Low-voltage switchgear and controlgear assemblies, Part 1: Requirements for 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 EN 60439-1.

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

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

ENDORSEMENT NOTICE

The text of the International Standard IEC 439-4:1990 was approved by CENELEC as a European Standard without any modification.

ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

When the international publication has been modified by CENELEC common modifications, indicated by (mod), the relevant EN/HD applies.

IEC Publication	Date	Title	EN/HD	Date
38, mod	1983	IEC standard voltages	HD 472 S1	1989
68-2-27	1987	Environmental testing Part 2: Tests - Test Ea and guidance: Shock	HD 323.2.27 S2	1988
68-2-42	1982	Environmental testing Part 2: Tests - Test Kc: Sulphur dioxide test for contacts and connections	-	-
76, mod	Series	Power transformers	HD 398	Series
309	Series	Plugs, socket-outlets and couplers for industrial purposes	HD 196 S1*	1978
364-4-41	1982	Electrical installations of buildings - Part 4: Protection for safety - Chapter 41: Protec- tion against electric shock	-	-
364-7-704	1989	Electrical installations of buildings - Part 7: Require- ments for special installations or locations - Section 704: Construction and demolition site installations	-	-
439-1, mod	1985	Low-voltage switchgear and controlgear assemblies Part 1: Requirements for type-tested and partially type-tested assemblies	EN 60439-1	1990

* HD 196 S1:1978 endorses IEC 309:1969 + IEC 309A:1973; will be superseded by the EN 60309 series.

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IEC				
<u>Publication</u>	<u>Date</u>	<u>Title</u>	<u>EN/HD</u>	<u>Date</u>
529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
742, mod	1983	Isolating transformers and safety isolating transformers - Requirements	EN 60742	1989
755	1983	General requirements for residual current operated protective devices	-	-

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ANNEX ZB (informative)

National A-deviations

A-deviation: National deviation due to regulations, the alteration of which is for the time being outside the competence of the CENELEC member.

This European Standard falls under Directive 73/23/EEC.

A-deviations in an EFTA-country are valid instead of the relevant provisions of the European Standard in that country until they have been removed.

Clause	National Deviation
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The following deviations are valid for AUSTRIA and are based on the Austrian legal regulations BGBl. - No. 104 of 21-02-1989 "Elektrotechnikverordnung 1989 - ETV 1989" and BGBl. - No. 352 of 29-06-1990 "Elektrotechnikverordnung 1990 - ETV 1990".

- 9.1.3 d Add:
Switching devices with a rated current up to 100 A must be also switching off the neutral conductor.
- 9.3.3 Add: <http://standards.iteh.ai/catalog/standards/sist/c5629576-b19b-4152-be43-12910b1e1191>
Outgoing cables, being connected to terminals or to socket outlets, must be protected with residual-current devices. The residual-current device must operate with a rated residual operating current not exceeding
- 30 mA for socket outlets with a rated current up to 16 A (single phase),
 - 300 mA in all other cases up to 160 A rated current,
 - 500 mA in all other cases more than 160 A rated current.
- 9.5.2 Add:
Outgoing cables, being connected to terminals or to socket outlets, must be protected with residual-current devices. The residual-current device must operate with a rated residual operating current not exceeding
- 30 mA for socket outlets with a rated current up to 16 A (single phase),
 - 300 mA in all other cases up to 160 A rated current,
 - 500 mA in all other cases more than 160 A rated current.

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD 28

CEI
IEC
439-4

Première édition
First edition
1990-12

Ensembles d'appareillage à basse tension

Quatrième partie:
Règles particulières pour ensembles
de chantier (EO)

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SIST EN 60439-4:1995
Low-voltage switchgear and controlgear
assemblies

Part 4:
Particular requirements for assemblies
for construction sites (ACS)



Numéro de référence
Reference number
CEI/IEC 439-4: 1990

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR ASSEMBLIES

Part 4: Particular requirements for assemblies
for construction sites (ACS)

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.
- 4) The IEC has not laid down any procedure concerning marking as an indication of approval and has no responsibility when an item of equipment is declared to comply with one of its recommendations.

STANDARD PREVIEW
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This standard has been prepared by Sub-Committee 17D: Low-voltage switchgear and controlgear assemblies, of IEC Technical Committee No. 17: Switchgear and controlgear.

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

Six Months' Rule	Report on Voting
17D(CO)38	17D(CO)42

Full information on the voting for the approval of this standard can be found in the Voting Report indicated in the above table.

Assemblies for construction sites (ACS) shall comply with all requirements of IEC 439-1 (1985): Low-voltage switchgear and controlgear assemblies, Part 1: Requirements for 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 439-1 (1985).

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

In view of the fact that this publication should be read in conjunction with IEC 439-1, the numbering of its clauses and sub-clauses correspond to the latter.

The following IEC publications are quoted in this standard:

Publications Nos. 38 (1983): IEC standard voltages.

68-2-27 (1987): Environmental testing, Part 2: Tests - Test Ea and guidance: Shock.

68-2-42 (1982): Environmental testing, Part 2: Tests - Test Kc: Sulphur dioxide test for contacts and connections.

76: Power transformers.

309: Plugs, socket-outlets and couplers for industrial purposes.

364-4-41 (1982): Electrical installations of buildings, Part 4: Protection for safety - Chapter 41: Protection against electric shock.

364-7-704 (1989): Electrical installations of buildings, Part 7: Requirements for special installations or locations - Section 704: Construction and demolition site installations.

529 (1989): Degrees of protection provided by enclosures (IP Code).

742 (1983): Isolating transformers and safety isolating transformers - Requirements.

755 (1983): General requirements for residual current operated protective devices.