SIS - Standardiseringskommissionen i Sverige

SVENSKA ELEKTROTEKNISKA NORMER, SEN
SVENSK STANDARD SS-IEC 265-2

Handläggande organ	Fastställd	Utgåva	Ingår i
SEK, SVENSKA ELEKTRISKA KOMMISSIONEN	1991-09-11	1	SEK Översikt 17A

Registrering
Reg 428 03 15

Kopplingsapparater för spänning över 1 kV — Del 2: Högspänningslastbrytare för 52 kV och däröver

High-voltage switches — Part 2: High-voltage switches for rated voltages of 52 kV and above

SIS TRYCKERI, STOCKHOLM
Prisgrupp S

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Handläggande organ
SEK, SVENSKA ELEKTRISKA KOMMISSIONEN

SVENSKA ELEKTROTEKNISKA NORMER, SEN
SVENSK STANDARD SS-IEC 265-2

Fastställd	Utgåva	Sida	Ingår i
1991-09-11	1	1 (52)	SEK Översikt 17A

Registrering
Reg 428 03 15

Kopplingsapparater för spänning över 1 kV – Del 2: Högspänningslastbrytare för 52 kV och däröver

High-voltage switches –
Part 2: High-voltage switches for rated voltages of 52 kV and above

Denna svenska standard överensstämmer med CENELECs harmoniseringsbeslut redovisat i HD 355.2 S2, vilket ikraftsätter nedan angiven del av den inom International Electrotechnical Commission, IEC, utarbetade internationella standarden:

IEC 265 **High-voltage switches**

IEC 265-2, First edition, 1988 **Part 2: High-voltage switches for rated voltages of 52 kV and above**

jämte

Corrigendum, February 1990

I den svenska standarden återges den engelskspråkiga versionen av HD 355.2 S2 och IEC 265-2.

UDK 621.316.542.027.667

Standarder kan beställas hos SIS som även lämnar allmänna upplysningar om svensk och utländsk standard.
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Prisgrupp S

Tryckt i november 1991

HARMONIZATION DOCUMENT HD 355.2 S2

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT February 1991

UDC 621.316.542.027.667

Descriptors: Switches, high-voltage, tests, characteristics

ENGLISH VERSION

HIGH-VOLTAGE SWITCHES
PART 2: HIGH-VOLTAGE SWITCHES FOR RATED VOLTAGES OF 52 kV AND ABOVE
(IEC 265-2:1988 + corrigendum 1990)

Interrupteurs à haute tension
Deuxième partie : Interrupteurs à haute tension de tension assignée égale ou supérieure à 52 kV
(CEI 265-2:1988 + corrigendum 1990)

Hochspannungs-Lastschalter
Teil 2: Hochspannungs-Lastschalter für Nennspannungen ab 52 kV und darüber
(IEC 265-2:1988 + Corrigendum 1990)

This Harmonization Document was approved by CENELEC on 1990-09-11. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning national implementation may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

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

Ref. No. HD 355.2 S2:1991 E

FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 265-2:1988, as corrected by corrigendum February 1990 could be accepted without textual changes, has shown that no CENELEC common modifications were necessary for the acceptance as Harmonization Document.
The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as HD 355.2 S2 on 11 September 1990.

The following dates were fixed:

- latest date of announcement of the HD at national level	(doa)	1991-03-15
- latest date of publication of a harmonized national standard	(dop)	1991-09-15
- latest date of withdrawal of conflicting national standards	(dow)	1991-09-15

For products which have complied with HD 355.2 S1 before 1991-09-15, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1996-09-15.

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.

ENDORSEMENT NOTICE

The text of the International Standard IEC 265-2:1988 with its corrigendum February 1990 were approved by CENELEC as a Harmonization Document without any modification.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HIGH-VOLTAGE SWITCHES

Part 2:
High-voltage switches for rated voltages of 52 kV and above

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.

PREFACE

This standard has been prepared by IEC Sub-Committee 17A: High-voltage switchgear and controlgear, of IEC Technical Committee No. 17: Switchgear and controlgear.

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

Six Months' Rule	Report on Voting
17A(CO)197 I, II	17A(CO)203

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

The following IEC publications are quoted in this standard:

Publications Nos. 50(441)(1984): International Electrotechnical Vocabulary (IEV), Chapter 441: Switchgear, controlgear and fuses.
56(1987): High-voltage alternating-current circuit breakers.
59(1938): IEC standard current ratings.
71-1(1976): Insulation co-ordination, Part 1: Terms, definitions, principles and rules.
129(1984): Alternating current disconnectors (isolators) and earthing switches.
137(1984): Bushings for alternating voltages above 1000 V.
270(1981): Partial discharge measurements.
694(1980): Common clauses for high-voltage switchgear and controlgear standards.

HIGH-VOLTAGE SWITCHES

Part 2:
High-voltage switches for rated voltages of 52 kV and above

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1. **Scope**

This standard is applicable to three-phase alternating-current switches, having making and breaking current ratings, for indoor and outdoor installations, for rated voltages 52 kV and above; and for rated frequencies up to and including 60 Hz.

This standard is also applicable to the operating devices of these switches and to their auxiliary equipment.

Notes 1. – Switches for gas insulated switchgear are covered by this standard.

2. – Switches having a disconnecting function and called switch-disconnectors are also covered by IEC Publication 129.

3. – Earthing switches are not covered by this standard. Earthing switches forming an integral part of a switch are covered by IEC Publication 129.

1.101 *Object*

The main object of this standard is to establish requirements for switches used in transmission and distribution systems. General-purpose switches for this application shall comply with the following service applications:

- carrying rated normal current continuously;
- carrying short-circuit currents for a specified time;
- switching of mainly active loads;
- switching of no-load transformers;
- switching of the charging current of unloaded cables, overhead lines or busbars;
- switching of closed-loop circuits;
- making short-circuit currents.

A further object of this standard is to establish requirements for limited-purpose and special-purpose switches used in transmission and distribution systems.

Limited-purpose switches shall comply with one or more of the service applications indicated above.

Special-purpose switches may comply with one or more of the service applications indicated above and, in addition, shall be suitable for one or more of the following applications:

- switching single capacitor banks;
- switching back-to-back capacitor banks;
- switching shunt reactors including secondary or tertiary reactors switched from the primary side of the transformer;
- applications requiring an increased number of operating cycles;
- switching under earth fault conditions in systems with isolated neutral or in resonant earthed systems.