

STN	Tyristorové spínače pre tyristorom riadené sériové kondenzátory (TCSC). Elektrické skúšanie.	STN EN 62823 35 1610
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Thyristor valves for thyristor controlled series capacitors (TCSC) - Electrical testing

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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November 2015

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**Thyristor valves for thyristor controlled series capacitors
(TCSC) - Electrical testing
(IEC 62823:2015)**

Valves à thyristors pour condensateurs série commandés
par thyristors (CSCT) - Essai électrique
(IEC 62823:2015)

Thyristorventile für thyristorgesteuerte
Reihencondensatoren (TCSC) - Elektrische Prüfung
(IEC 62823:2015)

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European foreword

The text of document 22F/342/CDV, future edition 1 of IEC 62823, prepared by SC 22F "Power electronics for electrical transmission and distribution systems", of IEC/TC 22 "Power electronic systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62823:2015.

The following dates are fixed:

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IEC 60068-1	NOTE	Harmonized as EN 60068-1.
IEC 60143-1	NOTE	Harmonized as EN 60143-1.
IEC 60721-1	NOTE	Harmonized as EN 60721-1.
IEC 61000-6-5	NOTE	Harmonized as EN 61000-6-5.
IEC 61954	NOTE	Harmonized as EN 61954.

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 1 When 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60060-1	2010	High-voltage test techniques - Part 1: General definitions and test requirements	EN 60060-1	2010
IEC 60071-1	-	Insulation co-ordination - Part 1: Definitions, principles and rules	EN 60071-1	-
IEC 60071-2	-	Insulation co-ordination - Part 2: Application guide	EN 60071-2	-
IEC 60270	-	High-voltage test techniques - Partial discharge measurements	EN 60270	-



INTERNATIONAL STANDARD

NORME INTERNATIONALE



Thyristor valves for thyristor controlled series capacitors (TCSC) – Electrical testing

Valves à thyristors pour condensateurs série commandés par thyristors (CSCT) – Essai électrique





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Thyristor valves for thyristor controlled series capacitors (TCSC) – Electrical testing

Valves à thyristors pour condensateurs série commandés par thyristors (CSCT) – Essai électrique

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**THYRISTOR VALVES FOR THYRISTOR CONTROLLED
SERIES CAPACITORS (TCSC) – ELECTRICAL TESTING**

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International Standard IEC 62823 has been prepared by subcommittee 22F: Power electronics for electrical transmission and distribution systems, of IEC technical committee 22: Power electronic systems and equipment.

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CDV	Report on voting
22F/342/CDV	22F/354A/RVC

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

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THYRISTOR VALVES FOR THYRISTOR CONTROLLED SERIES CAPACITORS (TCSC) – ELECTRICAL TESTING

1 Scope

This International Standard defines routine and type tests on thyristor valves used in thyristor controlled series capacitor (TCSC) installations for AC power transmission.

The tests specified in this International Standard are based on air insulated valves operating in capacitive boost mode or bypass mode. For other types of valve and for a valve operating in inductive boost mode, the test requirements and acceptance criteria are agreed between purchaser and supplier.

2 Normative references

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.

IEC 60060-1:2010, *High-voltage test techniques – Part 1: General definitions and test requirements*

IEC 60071-1, *Insulation co-ordination – Part 1: Definitions, principles and rules*

IEC 60071-2, *Insulation co-ordination – Part 2: Application guide*

IEC 60270, *High-voltage test techniques – Partial discharge*

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