

STN	Sériovo zapojené kondenzátory pre výkonové elektrické siete. Časť 3: Vnútorne poistky.	STN EN 60143-3 35 8203
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Series capacitors for power systems - Part 3: Internal fuses

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/16

Obsahuje: EN 60143-3:2015, IEC 60143-3:2015

Oznámením tejto normy sa od 14.07.2018 ruší
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EUROPEAN STANDARD

EN 60143-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2015

ICS 31.060.70

Supersedes EN 60143-3:1998

English Version

**Series capacitors for power systems - Part 3: Internal fuses
(IEC 60143-3:2015)**

Condensateurs série destinés à être installés sur des
réseaux - Partie 3: Fusibles internes
(IEC 60143-3:2015)

Reihenkondensatoren für Starkstromanlagen - Teil 3:
Eingebaute Sicherungen
(IEC 60143-3:2015)

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

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European foreword

The text of document 33/577/FDIS, future edition 2 of IEC 60143-3, prepared by IEC/TC 33 "Power capacitors and their applications" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60143-3:2015.

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) 2016-04-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-07-14

This document supersedes EN 60143-3:1998.

EN 60143-3:2015 includes the following significant technical changes with respect to EN 60143-3:1998:

The test procedure has been largely simplified

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The text of the International Standard IEC 60143-3:2015 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 standards indicated:

IEC 60549:2013	NOTE	Harmonized as EN 60549:2013.
IEC 60871-4:2014	NOTE	Harmonized as EN 60871-4:2014.
IEC 60931-3:1996	NOTE	Harmonized as EN 60931-3:1996.

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 60143-1	2004	Series capacitors for power systems -- Part 1: General	EN 60143-1	2004
IEC 60143-2	2012	Series capacitors for power systems -- Part 2: Protective equipment for series capacitor banks	EN 60143-2	2013



INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Series capacitors for power systems –
Part 3: Internal fuses**

**Condensateurs série destinés à être installés sur des réseaux –
Partie 3: Fusibles internes**





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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Series capacitors for power systems –
Part 3: Internal fuses**

**Condensateurs série destinés à être installés sur des réseaux –
Partie 3: Fusibles internes**

INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SERIES CAPACITORS FOR POWER SYSTEMS –**Part 3: Internal fuses****FOREWORD**

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International Standard IEC 60143-3 has been prepared by IEC technical committee 33: Power capacitors and their applications.

This second edition cancels and replaces the first edition published in 1998. This edition constitutes a technical revision.

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

The test procedure has been largely simplified.

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

FDIS	Report on voting
33/577/FDIS	33/579/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60143 series, published under the general title *Series capacitors for power systems*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

SERIES CAPACITORS FOR POWER SYSTEMS –

Part 3: Internal fuses

1 Scope

This part of IEC 60143 applies to internal fuses designed to isolate faulty capacitor elements, to allow operation of the remaining parts of that capacitor unit and the bank in which the capacitor unit is connected. Such fuses are not a substitute for a switching device such as a circuit-breaker, or for external protection of the capacitor bank, or any part thereof.

The object of this part of IEC 60143 is:

- to formulate requirements regarding performance and testing;
- to provide a guide for coordination of fuse and bank protection.

NOTE External fuses for series capacitors are treated in IEC 60143-1:2004, Annex A: "Test requirements and application guide for external fuses and units to be externally fused".

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 60143-1:2004, *Series capacitors for power systems – Part 1: General*

IEC 60143-2:2012, *Series capacitors for power systems – Part 2: Protective equipment for series capacitor banks*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN