

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1 000 V –

Part 2: Ageing test, self-healing test and destruction test

Condensateurs shunt de puissance autorégénérateurs pour réseaux à courant alternatif de tension assignée inférieure ou égale à 1 000 V –

Partie 2: Essais de vieillissement, d'autorégénération et de destruction



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SHUNT POWER CAPACITORS OF THE SELF-HEALING TYPE
FOR A.C. SYSTEMS HAVING A RATED VOLTAGE UP TO
AND INCLUDING 1 000 V –****Part 2: Ageing test, self-healing test and destruction test**

FOREWORD

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International Standard IEC 60831-2 has been prepared by IEC technical committee 33: Power capacitors and their applications.

This third edition cancels and replaces the second edition published in 1995. This edition constitutes a technical revision.

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

- a) Updating of the normative references;
- b) Discharge cycles before ageing test carried out at ambient temperature;
- c) Alternative Self-healing test at d.c. voltage;
- d) Modified acceptance conditions after Self-healing test;
- e) Modifications to Destruction test.

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

FDIS	Report on voting
33/544/FDIS	33/551/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 the parts in the IEC 60831 series, published under the general title *Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1 000 V*, 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 web site 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- withdrawn,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.

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Part 2: Ageing test, self-healing test and destruction test

1 Scope

This part of IEC 60831 applies to capacitors according to IEC 60831-1 and gives the requirements for the ageing test, self-healing test and destruction test for these capacitors.

NOTE The numbering of the clauses and subclauses in this standard corresponds to that of IEC 60831-1.

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 60831-1:2014, *Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1 000 V – Part 1: General – Performance, testing and rating – Safety requirements – Guide for installation and operation*