



BSI Standards Publication

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

National foreword

This British Standard is the UK implementation of EN 60831-2:2014. It is identical to IEC 60831-2:2014. It supersedes BS EN 60831-2:1996 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PEL/33, Power capacitors.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60831-2

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ICS 29.120.99; 31.060.70

Supersedes EN 60831-2:1996

English Version

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
(IEC 60831-2:2014)

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
(CEI 60831-2:2014)

Selbstheilende Leistungs-Parallelkondensatoren für
Wechselstromanlagen mit einer Bemessungsspannung bis
1 000 V - Teil 2: Alterungsprüfung, Selbstheilungsprüfung
und Zerstörungsprüfung
(IEC 60831-2:2014)

This European Standard was approved by CENELEC on 2014-03-19. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 33/544/FDIS, future edition 3 of IEC 60831-2, prepared by IEC/TC 33, "Power capacitors and their applications" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60831-2:2014.

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) 2014-12-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-03-19

This document supersedes EN 60831-2:1996.

EN 60831-2:2014 includes the following significant technical changes with respect to EN 60831-2:1996:

- 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice

The text of the International Standard IEC 60831-2:2014 was approved by CENELEC as a European Standard without any modification.

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 60831-1	2014	Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1000 V - Part 1: General - Performance, testing and rating - Safety requirements - Guide for installation and operation	EN 60831-1	2014