IEC TS 60871-2

Edition 3.1 2022-03
CONSOLIDATED VERSION

INTERNATIONAL STANDARD

colour inside

Shunt capacitors for a.c. power systems having a rated voltage above 1 000 V – Part 2: Endurance testing

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 29.240.99; 31.060.70

ISBN 978-2-8322-1098-4

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CONSOLIDATED VERSION

REDLINE VERSION

colour inside

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IEC TS 60871-2:2014-11+AMD1:2022-03 CSV(en)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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SHUNT CAPACITORS FOR AC POWER SYSTEMS HAVING A RATED VOLTAGE ABOVE 1 000 V –

Part 2: Endurance testing

FOREWORD

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This consolidated version of the official IEC Standard and its amendment has been prepared for user convenience.

IEC TS 60871-2 edition 3.1 contains the third edition (2014-11) [documents 33/536/DTS and 33/565/RVC] and its amendment 1 (2022-03) [documents 33/668/DTS and 33/671/RVDTS].

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

The main task of IEC technical committees is to prepare International Standards. In exceptional circumstances, a technical committee may propose the publication of a technical specification when

- the required support cannot be obtained for the publication of an International Standard, despite repeated efforts, or
- the subject is still under technical development or where, for any other reason, there is the future but no immediate possibility of an agreement on an International Standard.

Technical specifications are subject to review within three years of publication to decide whether they can be transformed into International Standards.

IEC/TS 60871-2, which is a technical specification, has been prepared by IEC technical committee 33: Power capacitors and their applications.

This third edition constitutes a technical revision.

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

a) The overvoltage cycling test has been moved to IEC 60871-1:2014.

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

A list of all parts in the IEC 60871 series, published under the general title *Shunt capacitors for a.c. power systems having a rated voltage above 1 000 V*, can be found on the IEC website.

The committee has decided that the contents of the base publication and its amendment will remain unchanged until the stability date indicated on the IEC web site under webstore.iec.ch in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
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SHUNT CAPACITORS FOR AC POWER SYSTEMS HAVING A RATED VOLTAGE ABOVE 1 000 V –

Part 2: Endurance testing

1 Scope

This part of IEC 60871, which is a technical specification, applies to capacitors according to IEC 60871-1 and gives the requirements for ageing tests of these capacitors.

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 60871-1:2014, *Shunt capacitors for a.c. power systems having a rated voltage above 1 000 V – Part 1: General*

IEC TR 60996, *Method for verifying accuracy of tan delta measurements applicable to capacitors*

IEC TS 60871-2

Edition 3.1 2022-03
CONSOLIDATED VERSION

FINAL VERSION

Shunt capacitors for a.c. power systems having a rated voltage above 1 000 V – Part 2: Endurance testing



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