



NSAI
Standards

Irish Standard
I.S. EN 50464-4:2007

Three-phase oil-immersed distribution transformers 50 Hz, from 50 kVA to 2 500 kVA with highest voltage for equipment not exceeding 36 kV -- Part 4: Requirements and tests concerning pressurised corrugated tanks

I.S. EN 50464-4:2007

Incorporating amendments/corrigenda issued since publication:

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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Three-phase oil-immersed distribution transformers 50 Hz, from 50 kVA to 2 500 kVA with highest voltage for equipment not exceeding 36 kV - Part 4: Requirements and tests concerning pressurised corrugated tanks

Transformateurs triphasés de distribution immergés dans l'huile, 50 Hz, de 50 kVA à 2 500 kVA, de tension la plus élevée pour le matériel ne dépassant pas 36 kV - Partie 4: Prescriptions et essais relatifs aux cuves sous pression

Ölgefüllte Drehstrom-Verteilungstransformatoren 50 Hz, 50 kVA bis 2 500 kVA mit einer höchsten Spannung für Betriebsmittel bis 36 kV - Teil 4: Anforderungen und Prüfungen für druckbeanspruchte Wellwandkessel

This amendment A1 modifies the European Standard EN 50464-4:2007; it was approved by CENELEC on 2011-10-10. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

This document (EN 50464-4:2007/A1:2011) has been prepared by the CLC/TC 14, "Power transformers".

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) 2012-10-10
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-10-10

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.

3 General conditions

3.1 Temperature variation

Add the the following paragraph:

“By agreement between manufacturer and purchaser the maximum temperature used for the endurance test shall be 40 °C plus 0,8 times the oil temperature rise determined by the temperature rise test.”

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English version

**Three-phase oil-immersed distribution transformers
50 Hz, from 50 kVA to 2 500 kVA with highest voltage
for equipment not exceeding 36 kV -
Part 4: Requirements and tests concerning
pressurised corrugated tanks**

Transformateurs triphasés de distribution
immergés dans l'huile,
50 Hz, de 50 kVA à 2 500 kVA,
de tension la plus élevée
pour le matériel ne dépassant pas 36 kV -
Partie 4: Prescriptions et essais relatifs
aux cuves sous pression

Ölgefüllte
Drehstrom-Verteilungstransformatoren
50 Hz, 50 kVA bis 2 500 kVA
mit einer höchsten Spannung
für Betriebsmittel bis 36 kV -
Teil 4: Anforderungen und Prüfungen
für druckbeanspruchte Wellwandkessel

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CENELEC

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

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Foreword

The text of the Harmonization Document HD 428.6 S1:2002, prepared by the Technical Committee CENELEC TC 14, Power transformers, was submitted to the formal vote for conversion into a European Standard and was approved by CENELEC as EN 50464-4 on 2006-12-01.

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at national level by publication of an identical
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The EN 50464 series consists of the following parts, under the general title “Three-phase oil-immersed distribution transformers 50 Hz, from 50 kVA to 2 500 kVA with highest voltage for equipment not exceeding 36 kV”:

- | | |
|----------|---|
| Part 1 | General requirements |
| Part 2-1 | Distribution transformers with cable boxes on the high-voltage and/or low-voltage side – General requirements |
| Part 2-2 | Distribution transformers with cable boxes on the high-voltage and/or low-voltage side – Cable boxes type 1 for use on distribution transformers meeting the requirements of EN 50464-2-1 |
| Part 2-3 | Distribution transformers with cable boxes on the high-voltage and/or low-voltage side – Cable boxes type 2 for use on distribution transformers meeting the requirements of EN 50464-2-1 |
| Part 3 | Determination of the power rating of a transformer loaded with non-sinusoidal currents |
| Part 4 | Requirements and tests concerning pressurised corrugated tanks |

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