

**Transformatorer –
Oljeisolerade distributionstransformatorer –
Del 3: Tilläggsfordringar på transformatorer för högst 36 kV**

*Three-phase oil-immersed distribution transformers 50 Hz, from 50 to 2500 kVA,
with highest voltage for equipment not exceeding 36 kV –*

Part 3: Supplementary requirements for transformers with highest voltage for equipment equal to 36 kV

Denna svenska standard innehåller den engelska språkversionen av CENELECs harmoniseringsbeslut redovisat i HD 428.3 S1, 1994.

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Descriptors: Electrical transformer, power transformer, three phase transformer, immersed transformer, electrical rating, dimension, design

ENGLISH VERSION

Three phase oil-immersed distribution transformers
50 Hz, from 50 to 2500 kVA with highest voltage
for equipment not exceeding 36 kV
Part 3: Supplementary requirements for
transformers with highest voltage for equipment
equal to 36 kV

Transformateurs triphasés de
distribution immergés dans
l'huile, 50 Hz, de 50 à
2500 kVA, avec une tension
la plus élevée pour le matériel
ne dépassant pas 36 kV
Partie 3: Prescriptions
complémentaires pour les
transformateurs avec une tension
la plus élevée pour le matériel
égale à 36 kV

Drehstrom-Öl-Verteilungs-
transformatoren 50 Hz von 50 bis
2500 kVA, mit einer höchsten
Spannung für Betriebsmittel
bis 36 kV
Teil 3: Ergänzende
Festlegungen für
Transformatoren mit einer
höchsten Spannung für
Betriebsmittel von 36 kV

This Harmonization Document was approved by CENELEC on 1993-09-22.
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which stipulate the conditions for implementation of this Harmonization Document
on a national level.

Up-to-date lists and bibliographical references concerning national implementation
may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French,
German).

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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

This Part 3 of HD 428 was prepared by WG 3 of Technical Committee CENELEC TC 14, Power transformers.

The document was submitted to the Unique Acceptance Procedure (UAP) and was approved by CENELEC as HD 428.3 S1 on 1993-09-22.

The following dates were fixed:

- latest date of announcement
of the HD at national level (doa) 1994-03-01
- latest date of publication of
a harmonized national standard (dop) 1994-09-01
- latest date of withdrawal of
conflicting national standards (dow) 1994-09-01

1 General

1.1 *Scope*

This Harmonization Document covers transformers from 50 to 2 500 kVA intended for operation in three-phase distribution networks, for indoor or outdoor continuous service, 50 Hz, immersed in mineral-oil, natural cooling, with two windings:

- a primary (high-voltage) winding with a highest voltage for equipment equal to 36 kV;
- a secondary (low-voltage) winding with a highest voltage for equipment not exceeding 1,1 kV.

NOTE 1: This document may be applied, either as a whole or in part, to transformers immersed in a synthetic insulating liquid.

NOTE 2: This document may be applied, either as a whole or in part, to transformers having windings with more than one rated voltage. In this case the rated power for each rated voltage shall be specified by the purchaser.

1.2 *Object*

The object of this document is to lay down requirements related to electrical characteristics, dimensions and design. Other requirements may be specified in a national standard.

1.3 *Compliance with current Harmonization Documents*

Transformers shall be in accordance with Harmonization Documents of the HD 398 series.

Unless herein otherwise indicated the requirements specified in HD 428.1 S1 apply also to this document.

