



Transformatorer –

Oljeisolerade distributionstransformatorer –

Del 4: Bestämning av märkbelastning vid icke-sinusformade strömmar

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

Part 4: Determination of the power rating of a transformer loaded with no-sinusoidal currents

Denna svenska standard innehåller den engelska språkversionen av CENELECs harmoniseringsbeslut redovisat i HD 428.4 S1, 1994.

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Descriptors: Electrical transformer, power transformer, three phase transformer, immersed transformer, determination, rating, electrical power

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 4: Determination of the power rating of a
transformer loaded with non-sinusoidal currents

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 4: Détermination de la
caractéristique de puissance
d'un transformateur avec des
courants de charge non
sinusoïdaux

Drehstrom-Öl-Verteilungs-
transformatoren 50 Hz von 50 bis
2500 kVA, mit einer höchsten
Spannung für Betriebsmittel
bis 36 kV
Teil 4: Bestimmung der
Bemessungsleistung eines
Transformators bei
nichtsinusförmigen
Lastströmen

This Harmonization Document was approved by CENELEC on 1993-09-22.
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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 4 of HD 428 was prepared by WG 7, Harmonics, of Technical Committee CENELEC TC 14, Power transformers.

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- latest date of publication of
a harmonized national standard (dop) 1994-09-01
- latest date of withdrawal of
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1 Scope

This document gives to the user guidance to determine the loadability of an oil-immersed distribution transformer, as defined in and covered by HD 428, in the case of load current with harmonic factors exceeding the maximum values allowed.

NOTE: In general this document is also applicable to dry-type distribution transformers as defined in and covered by HD 538.

