

**Transformatorer –  
Torrisolerade distributionstransformatorer –  
Del 2: Tilläggsfordringar på transformatorer för högst 36 kV**

*Three-phase dry-type distribution transformers 50 Hz, from 100 to 2500 kVA,  
with highest voltage for equipment not exceeding 36 kV –  
Part 2: 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 538.2 S1, 1995.

Standarden skall användas tillsammans med SS 427 02 08-1.



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ICS 29.180

Descriptors: Transformer, low power transformer, three-phase transformer, design, electrical characteristic, dimension

English version

**Three-phase dry-type distribution transformers 50 Hz,  
from 100 to 2500 kVA, with highest voltage for  
equipment not exceeding 36 kV  
Part 2: Supplementary requirements for transformers  
with highest voltage for equipment equal to 36 kV**

Transformateurs triphasés du type sec à  
50 Hz, à partir de 100 à 2500 kVA,  
avec la tension la plus élevée pour le  
matériel non supérieur à 36 kV  
Partie 2: Prescriptions supplémentaires  
pour transformateurs avec la tension  
la plus élevée pour le matériel égale  
à 36 kV

Drehstrom-Trocken-Verteilungs-  
transformatoren 50 Hz, 100 bis  
2500 kVA, mit einer höchsten  
Spannung für Betriebsmittel  $\leq$  36 kV  
Teil 2: Ergänzende Festlegungen für  
Transformatoren mit einer höchsten  
Spannung für Betriebsmittel von 36 kV

This Harmonization Document was approved by CENELEC on 1994-12-06. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning such 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).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CENELEC**

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

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### Foreword

This Harmonization Document was prepared by the Technical Committee CENELEC TC 14, Power transformers.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as HD 538.2 S1 on 1994-12-06.

The following dates were fixed:

- latest date by which the existence of the HD  
has to be announced at national level (doa) 1995-06-01
- latest date by which the amendment has to be implemented  
at national level by publication of a harmonized  
national standard or by endorsement (dop) 1995-12-01
- latest date by which the national standards conflicting  
with the HD have to be withdrawn (dow) 1995-12-01

Annexes designated "normative" are part of the body of the standard.  
In this standard, annexes A (special national conditions) and B (normative references) are normative.

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## 1 **General**

### 1.1 *Scope*

This Harmonization Document covers transformers from 100 kVA to 2 500 kVA intended for operation in three-phase distribution networks. It applies to three-phase dry-type transformers for continuous service, 50 Hz, natural cooling, with two windings:

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

### 1.2 *Object*

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