
Three-phase dry-type distribution transformers 50 Hz, from 100 to 2500 kVA, with highest voltage for equipment not exceeding 36 kV - Part 1: General requirements and requirements for transformers with highest voltage for equipment not exceeding 24 kV - Amendment A1

Three-phase dry-type distribution transformers 50 Hz, from 100 to 2500 kVA, with highest voltage for equipment not exceeding 36 kV -- Part 1: General requirements and requirements for transformers with highest voltage for equipment not exceeding 24 kV

Drehstrom-Trocken-Verteilungstransformatoren, 50 Hz, 100 bis 2500 kVA, mit einer höchsten Spannung für Betriebsmittel kleiner oder gleich 36 kV -- Teil 1: Allgemeine Anforderungen und Anforderungen für Transformatoren mit einer höchsten Spannung für Betriebsmittel kleiner oder gleich 24 kV

Transformateurs triphasés de distribution de type sec, 50 Hz, de 100 à 2500 kVA, avec une tension la plus élevée pour le matériel ne dépassant pas 36 kV -- Partie 1: Prescriptions générales et prescriptions pour les transformateurs avec une tension la plus élevée pour le matériel ne dépassant pas 24 kV

Ta slovenski standard je istoveten z: HD 538.1 S1:1992/A1:1995

ICS:

29.180 Transformatorji. Dušilke Transformers. Reactors

SIST HD 538.1 S1:1997/A1:1997 en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST HD 538.1 S1:1997/A1:1997](https://standards.iteh.ai/catalog/standards/sist/586ec6c4-feaa-4a1f-ac1c-baba87cccd04/sist-hd-538-1-s1-1997-a1-1997)

<https://standards.iteh.ai/catalog/standards/sist/586ec6c4-feaa-4a1f-ac1c-baba87cccd04/sist-hd-538-1-s1-1997-a1-1997>

HARMONIZATION DOCUMENT
DOCUMENT D'HARMONISATION
HARMONISIERUNGSDOKUMENT

HD 538.1 S1/A1

March 1995

UDC 621.314.211.027.624.025.3
ICS 29.180

Descriptors: Power transformer, three-phase transformer, electrical characteristic, design requirement, dimension, accessory

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 1: General requirements and requirements for
transformers with highest voltage for equipment
not exceeding 24 kV**

Transformateurs triphasés de
distribution de type sec, 50 Hz, de
100 à 2500 kVA, avec une tension la
plus élevée pour le matériel ne
dépassant pas 36 kV
Partie 1: Prescriptions générales et
prescriptions pour les transformateurs
avec une tension la plus élevée pour le
matériel ne dépassant pas 24 kV

Drehstrom-Trocken-
Verteilungstransformatoren, 50 Hz,
100 bis 2500 kVA, mit einer höchsten
Spannung für Betriebsmittel \leq 36 kV
Teil 1: Allgemeine Anforderungen und
Anforderungen für Transformatoren mit
einer höchsten Spannung für
Betriebsmittel \leq 24 kV

This amendment A1 modifies the Harmonization Document HD 538.1 S1:1992; it 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 amendment 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 amendment 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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

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

A draft text, based on a proposal by UNIPEDE in agreement with COTREL, was submitted to the unique acceptance procedure as prAB in January 1994. Another draft was submitted to the formal vote as prAA in May 1994. The two drafts were combined and approved by CENELEC as amendment A1 to HD 538.1 S1:1992 on 1994-12-06.

The following dates were fixed:

- latest date by which the existence of the amendment 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 amendment have to be withdrawn (dow) 1995-12-01

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST HD 538.1 S1:1997/A1:1997](https://standards.iteh.ai/catalog/standards/sist/586ec6c4-feaa-4a1f-ac1c-baba87cccd04/sist-hd-538-1-s1-1997-a1-1997)

<https://standards.iteh.ai/catalog/standards/sist/586ec6c4-feaa-4a1f-ac1c-baba87cccd04/sist-hd-538-1-s1-1997-a1-1997>

3 Design requirements

3.3 Terminals

Replace by:

There is no fixed location of HV- or LV-terminals on the transformer. Terminals do not have to comply with standards of bushings. Dimensions and location of terminals may be specified in National Standards, if any, or, if not specified in a National Standard, agreed between purchaser and manufacturer.

3.4 Enclosures

Replace by:

When the transformer is to be delivered with an enclosure, this shall be specified in the enquiry and the tender with details about the requirements of degree of protection, according to the relevant standard for protective enclosures.

Overall dimensions may be specified in National Standards, if any, or, if not specified in a National Standard, agreed between purchaser and manufacturer.

NOTE 1: The loadability of transformers complying with this document may be reduced when the transformer is installed in an enclosure.

NOTE 2: Should a transformer be subsequently installed in an enclosure, it is recommended that the transformer manufacturer is consulted due the above-mentioned reduction of the loadability which may be necessary.

4 Dimensional characteristics

4.1 Dimensions and rollers

Add after table III:

NOTE: Installation requirements may necessitate alternative dimensions to be specified by the purchaser for units with or without an enclosure.
