



**NSAI**  
Standards

Irish Standard  
I.S. HD 428.1 S1:1992

Three-phase oil-immersed distribution transformers 50 Hz, from 50 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

## I.S. HD 428.1 S1:1992

*Incorporating amendments/corrigenda issued since publication:*

HD 428.1 S1:1992/A1:1995

HD 428.1 S1:1992/AC:2011

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

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

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

<i>This document replaces:</i>	<i>This document is based on:</i> HD 428.1 S1:1992	<i>Published:</i> 13 November, 1992
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Údarás um Chaighdeáin Náisiúnta na hÉireann		

**I.S. HD 428.1 S1:1992**



Corrigendum to HD 428.1 S1:1992

English version

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Following decision of BT 139, item 2.6.1, delete the Swiss A-deviation for HD 428.1 S1:1992.

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October 2011

**I.S. HD 428.1 S1:1992**

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I.S. HD 428.1 S1:1992

HARMONIZATION DOCUMENT

**HD 428.1 S1/A1**

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT

March 1995

UDC 621.314.212:621.3.025.3.026.645/.647  
ICS 29.180

Descriptors: Distribution transformers, electrical characteristics, dimensions, impedance voltage, losses, rollers, sound levels

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

Transformateurs triphasés de  
distribution immergés dans l'huile,  
50 Hz, de 50 à 2500 kVA, de 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

Drehstromverteilungstransformatoren  
der Energieversorgung, mit Ölfüllung,  
50 Hz, 50 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 428.1 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, based on a proposal by UNIPED in agreement with COTREL, 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 amendment A1 to HD 428.1 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
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### 1.2 Object

The subclause is reworded as follows:

The object of this document is to lay down requirements related to electrical characteristics, dimensions and design.

Other requirements (such as those concerning paint, insulating oil and tank pressurization) may be specified in National Standards, if any, or, if not specified in a National Standard, agreed between manufacturer and purchaser.

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