



Isolatorer –

Genomföringar för vätskefyllda transformatorer för spänningar mellan 1 kV och 36 kV och för strömmar mellan 250 A och 3,15 kA

Bushings above 1 kV up to 36 kV and from 250 A to 3,15 kA for liquid filled transformers

Som svensk standard gäller europastandarden EN 50180:1997. Den svenska standarden innehåller den officiella engelska språkversionen av EN 50180:1997.

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Descriptors: Bushing, liquid-filled transformer, dimensions

English version

**Bushings above 1 kV up to 36 kV and from 250 A to 3,15 kA for
liquid filled transformers**

Traversées de tensions supérieures
à 1 kV jusqu'à 36 kV et de 250 A à
3,15 kA pour transformateurs à
remplissage de liquide

Durchführungen über 1 kV bis 36 kV
und von 250 A bis 3,15 kA für
flüssigkeitsgefüllte Transformatoren

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CENELEC

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Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 36A, Insulated bushings.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50180 on 1996-10-01.

This European Standard supersedes HD 506 S1:1989 and its A1:1992.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 1997-12-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1997-12-01

Introduction

The object of this standard is to specify the requirements to ensure interchangeability of bushings for rated voltages above 1 kV up to 36 kV and rated currents from 250 A up to 3150 A for insulating liquid filled transformers.

1 Scope

This standard is applicable to ceramic and resin insulated bushings for rated voltages above 1 kV up to 36 kV, rated currents from 250 A up to 3150 A and frequencies from 15 Hz up to 60 Hz for insulating liquid filled transformers.

This standard establishes essential dimensions, to ensure interchangeability of bushings and to ensure adequate mounting and interchangeability of mating plug-in separable connectors of equivalent ratings.

2 Normative references

This European standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

HD 329 S1: 1977	Tests on hollow insulators for use in electrical equipment (endorsing IEC 233: 1974)
HD 426.3 S1: 1987	Specification for ceramic and glass insulating materials; Part 3: individual materials (endorsing IEC 672-3: 1984)
EN 60137: 1996	Bushings for alternating voltages above 1000 V
IEC 815: 1986	Guide for the selection of insulators in respect of polluted conditions