

Plug-in type bushings above 1 kV up to 36 kV and from 250 A to 1,25 kA for equipment other than liquid filled transformers

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 50181:2002 sisaldab Euroopa standardi EN 50181:1997 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.12.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 50181:2002 consists of the English text of the European standard EN 50181:1997.</p> <p>This document is endorsed on 18.12.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This standard is applicable to insulated bushings for rated voltages above 1 kV up to 36 kV, rated currents from 250 A up to 1250 A and frequencies from 15 Hz up to 60 Hz for equipment other than liquid filled transformers.</p>	<p>Scope:</p> <p>This standard is applicable to insulated bushings for rated voltages above 1 kV up to 36 kV, rated currents from 250 A up to 1250 A and frequencies from 15 Hz up to 60 Hz for equipment other than liquid filled transformers.</p>
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ICS 29.180

Võtmesõnad: dimensions, plug-in type bushing

**Plug-in type bushings above 1 kV up to 36 kV and from 250 A to 1,25 kA
for equipment other than liquid filled transformers**

Traversées embrochables de tensions supérieures à 1 kV jusqu'à 36 kV et de 250 A à 1,25 kA pour équipements autres que transformateurs à remplissage de liquide

Steckbare Durchführungen über 1 kV bis 36 kV und von 250 A bis 1,25 kA für Anlagen anders als flüssigkeitsgefüllte Transformatoren

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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 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 50181 on 1996-10-01.

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
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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 to 1 250 A for equipment other than insulating liquid filled transformers.

1 Scope

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

This standard establishes essential dimensions, 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.

EN 60137:1996 Bushings for alternating voltages above 1 000 V

3 Definitions

For the purposes of this standard, the following definitions apply :

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| 3.1 Plug-in type bushing | A bushing one end of which is designed to receive a separable insulated cable connector, without which the bushing cannot function and the other end of which has customized dimensions according to insulation requirements for the specific application |
| 3.2 Separable connector : | A fully insulated termination permitting the connection and disconnection of the cable to and from the mating plug-in type bushing. |
| 3.3 Interface type : | Bushing dimensions that insure mechanical and electrical interchangeability of bushing and separable connector of similar rating and type.
Each interface type is designed by a letter or a number. |
| 3.4 Bail holder : | A fixture which facilitates anchoring of an externally mounted device (called the bail) designed to prevent undesirable separation of a separable connector and a bushing. A bail holder may or may not be an integral part of a bushing and is an optional feature. |