

Power transformers - Part 22-5: Power transformer  
and reactor fittings - Electric pumps for transformers

## ESTI STANDARDI EESSÕNA

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN IEC 60076-22-5

March 2021

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English Version

Power transformers - Part 22-5: Power transformer and reactor  
fittings - Electric pumps for transformers  
(IEC 60076-22-5:2021)

Transformateurs de puissance - Partie 22-5 : Accessoires  
pour transformateurs de puissance et bobines d'inductance  
- Electropompes pour transformateurs  
(IEC 60076-22-5:2021)

Leistungstransformatoren - Teil 22-5: Zubehörteile von  
Leistungstransformatoren und Drosselspulen - Pumpen  
(IEC 60076-22-5:2021)

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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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## European foreword

The text of document 14/1021/CDV, future edition 1 of IEC 60076-22-5, prepared by IEC/TC 14 "Power transformers" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60076-22-5:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-11-22
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-02-22

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IEC 60076-6 NOTE Harmonized as EN 60076-6

## Annex ZA (normative)

### **Normative references to international publications with their corresponding European publications**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60034-1	2017	Rotating electrical machines - Part 1: Rating and performance	-	-
IEC 60034-5	-	Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification	EN IEC 60034-5	-
IEC 60034-9	-	Rotating electrical machines - Part 9: Noise limits	EN IEC 60034-9 <sup>1</sup>	-
IEC 60076-1	2011	Power transformers - Part 1: General	EN 60076-1	2011
IEC 60076-7	-	Power transformers - Part 7: Loading guide for oil-immersed power transformers	-	-
IEC 60085	-	Electrical insulation - Thermal evaluation and designation	EN 60085	-
IEC 60296	-	Fluids for electrotechnical applications - Mineral insulating oils for electrical equipment	EN IEC 60296	-
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	-	-
ISO 179-1	2010	Plastics - Determination of Charpy impact properties - Part 1: Non-instrumented impact test	EN ISO 179-1	2010
ISO 185	-	Grey cast irons - Classification	-	-

<sup>1</sup> To be published. Stage at the time of publication: prEN IEC 60034-9:2021.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 281	-	Rolling bearings - Dynamic load ratings and rating life	-	-
ISO 3522	-	Aluminium and aluminium alloys - Castings - Chemical composition and mechanical properties	-	-
ISO 4406	-	Hydraulic fluid power - Fluids - Method for coding the level of contamination by solid particles	-	-
ISO 7005-2	-	Metallic flanges; part 2: cast iron flanges	-	-
ISO 9906	-	Rotodynamic pumps - Hydraulic performance acceptance tests - Grades 1, 2 and 3	EN ISO 9906	-
ISO 12944	series	Paints and varnishes - Corrosion protection of steel structures by protective paint systems	-	-

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Power transformers –**

**Part 22-5: Power transformer and reactor fittings – Electric pumps for  
transformers**

**Transformateurs de puissance –**

**Partie 22-5: Accessoires pour transformateurs de puissance et bobines  
d'inductance – Électropompes pour transformateurs**





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# NORME INTERNATIONALE

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Part 22-5: Power transformer and reactor fittings – Electric pumps for  
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Full information on the voting for its approval can be found in the report on voting indicated in the above table.

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