



**SLOVENSKI STANDARD**  
**SIST EN IEC 60076-22-3:2019**

**01-november-2019**

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**Hladilna oprema za močnostne transformatorje in dušilke – 22-3. del: Toplotni izmenjevalniki izolacijska tekočina-zrak (olje-zrak)**

Power transformer and reactor cooling equipment - Part 22-3: Insulating liquid to air heat exchangers

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**Ta slovenski standard je istoveten z: EN IEC 60076-22-3:2019**

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**ICS:**

29.180      Transformatorji. Dušilke      Transformers. Reactors

**SIST EN IEC 60076-22-3:2019**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN IEC 60076-22-3**

April 2019

ICS 29.180

English Version

**Power transformers - Part 22-3: Power transformer and reactor fittings - Insulating liquid to air heat exchangers (IEC 60076-22-3:2019)**

Transformateurs de puissance - Partie 22-3: Accessoires pour transformateurs de puissance et bobines d'inductance - Aéroréfrigérants  
(IEC 60076-22-3:2019)

Leistungstransformatoren und Drosselspulen  
Kühlungseinrichtung - Teil 22-3: Isolierte Flüssigkeit-Luft-Wärmetauscher  
(IEC 60076-22-3:2019)

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[SIST EN IEC 60076-22-3:2019](#)

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN IEC 60076-22-3:2019 (E)****European foreword**

The text of document 14/995/FDIS, future edition 1 of IEC 60076-22-3, prepared by IEC/TC 14 "Power transformers" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60076-22-3:2019.

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) 2020-01-12
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-04-12

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The text of the International Standard IEC 60076-22-3:2019 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60076-6	NOTE	Harmonized as EN 60076-6
ISO 3506-1	NOTE	Harmonized as EN ISO 3506-1
ISO 9001	NOTE	Harmonized as EN ISO 9001

## 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 60076-1	-	Power transformers - Part 1: General	EN 60076-1	-
IEC 60076-7	-	Power transformers - Part 7: Loading guide for oil-immersed power transformers	-	-
IEC 60296	-	Fluids for electrotechnical applications - Unused mineral insulating oils for transformers and switchgear	-	-
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	-	-
ISO 3746	-	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Survey method using an enveloping measurement surface over a reflecting plane	EN ISO 3746	-
ISO 4406	-	Hydraulic fluid power - Fluids - Method for coding the level of contamination by solid particles	-	-
ISO 7005	series	Pipe flanges	-	series
ISO 9614-2	-	Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 2: Measurement by scanning	EN ISO 9614-2	-
ISO 12944	series	Paints and varnishes - Corrosion protection of steel structures by protective paint systems	EN ISO 12944	series

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IEC 60076-22-3

Edition 1.0 2019-03

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Power transformers –  
Part 22-3: Power transformer and reactor fittings – Insulating liquid to air heat  
exchangers**

**Transformateurs de puissance –  
Partie 22-3: Accessoires pour transformateurs de puissance et bobines  
d'inductance – Aéroréfrigérants**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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ELECTROTECHNIQUE  
INTERNATIONALE

ICS 29.180

ISBN 978-2-8322-6634-2

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## POWER TRANSFORMERS –

**Part 22-3: Power transformer and reactor fittings –  
Insulating liquid to air heat exchangers**

## FOREWORD

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International Standard IEC 60076-22-3 has been prepared by IEC technical committee 14: Power transformers.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
14/995/FDIS	14/1003/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60076 series, published under the general title *Power transformers*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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