

	DIN EN IEC 60076-22-7 (VDE 0532-76-22-7)	
	This standard - only the original German version - is also a VDE-Bestimmung according to VDE 0022. After completion of the approval procedure adopted by the VDE Supervisory Board it was included in the VDE Specifications Code of safety standards under the VDE number indicated above and announced in the "etz Elektrotechnik + Automation" magazine.	

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ICS 29.180

**Leistungstransformatoren –
Teil 22-7: Zubehörteile von Leistungstransformatoren und Drosselspulen –
Zubehörteile und Armaturen
(IEC 60076-22-7:2020);
Deutsche Fassung EN IEC 60076-22-7:2020**

Power transformers –
Part 22-7: Power transformer and reactor fittings –
Accessories and fittings
(IEC 60076-22-7:2020);
German version EN IEC 60076-22-7:2020

Transformateurs de puissance –
Partie 22-7: Transformateur de puissance et bobines d'inductance –
Accessoires et équipements
(IEC 60076-22-7:2020);
Version allemande EN IEC 60076-22-7:2020

Total number of pages 72 Pages

DKE Deutsche Kommission Elektrotechnik Elektronik Informationstechnik in DIN und VDE

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Beginning of validity


The beginning of validity of this DIN standard approved as a European Standard by CENELEC on 2020-06-11 is 2022-08-01.

National foreword

Previous draft standard: E DIN EN IEC 60076-22-7 (VDE 0532-76-22-7):2019-09.

The German committee responsible for this document is DKE/K 321 "Transformatoren" of the DKE German Commission for Electrical, Electronic & Information Technologies of DIN and VDE (www.dke.de).

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- amended.

National Annex NA (informative)

Relationship with European and international documents

In case of an undated reference in the normative text (reference to another document without indication of its date of publication, without indication of a specific clause, a table, a figure etc.) the reference is to the latest edition of the referenced document.

In case of a dated reference in the normative text the reference is always to the latest edition of the referenced document.

The following list contains information about the relationship between the referenced documents and the relevant German documents.

Table NA.1

European document	International document	German document	Classification in the VDE Specifications Code of safety standards
EN 60068-3-3:1993 withdrawn	IEC 60068-3-3:1991 withdrawn	DIN IEC 60068-3-3:1993 withdrawn	-
EN IEC 60068-3-3:2019	IEC 60068-3-3:2019	-	-
EN 60076-1	IEC 60076-1	DIN EN 60076-1 (VDE 0532-76-1)	VDE 0532-76-1
-	IEC 60076-7	DIN IEC 60076-7 (VDE 0532-76-7)	VDE 0532-76-7
EN 60255-27	IEC 60255-27	DIN EN 60255-27 (VDE 0435-327)	VDE 0435-327
EN 60296	IEC 60296	DIN EN 60296 (VDE 0370-1)	VDE 0370-1
EN 60529	IEC 60529	DIN EN 60529 (VDE 0470-1)	VDE 0470-1
EN IEC 60721-3-4	IEC 60721-3-4	DIN EN IEC 60721-3-4 (VDE 0468-721-3-4)	VDE 0468-721-3-4
-	ISO 3601-1	DIN ISO 3601-1	-
-	ISO 7005-1	-	-
EN ISO 12944-6	ISO 12944-6	DIN EN ISO 12944-6	-
EN 60076-5	IEC 60076-5	DIN EN 60076-5 (VDE 0532-76-5)	VDE 0532-76-5
EN 60076-6	IEC 60076-6	DIN EN 60076-6 (VDE 0532-76-6)	VDE 0532-76-6
-	ISO 5003:2016	-	-
EN 13674-1	-	DIN EN 13674-1	-

National Annex NB (informative)

Bibliography

DIN EN 13674-1, *Railway applications - Track - Rail - Part 1: Vignole railway rails 46 kg/m and above*

DIN EN 60076-1 (VDE 0532-76-1), *Power Transformers - Part 1: General*

DIN EN 60076-5 (VDE 0532-76-5), *Power transformers - Part 5: Ability to withstand short circuit*

DIN EN 60076-6 (VDE 0532-76-6), *Power transformers - Part 6: Reactors*

DIN EN 60255-27 (VDE 0435-327), *Measuring relays and protection equipment - Part 27: Product safety requirements*

DIN EN 60296 (VDE 0370-1), *Fluids for electrotechnical applications - Unused mineral insulating oils for transformers and switchgear*

DIN EN 60529 (VDE 0470-1), *Degrees of protection provided by enclosures (IP-Code)*

DIN EN IEC 60721-3-4 (VDE 0468-721-3-4), *Classification of environmental conditions - Part 3-4: Classification of groups of environmental parameters and their severities - Stationary use at non-weatherprotected locations*

DIN EN ISO 12944-6, *Paints and varnishes - Corrosion protection of steel structures by protective paint systems - Part 6: Laboratory performance test methods*

DIN IEC 60068-3-3:1993 (withdrawn), *Environmental testing; seismic test methods for equipments; guidance; identical with IEC 60068-3-3:1991*

DIN IEC 60076-7 (VDE 0532-76-7), *Power transformers - Part 7: Loading guide for mineral-oil-immersed power transformers*

DIN ISO 3601-1, *Fluid power systems - O-rings - Part 1: Inside diameters, cross-sections, tolerances and designation codes*

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English version

**Power transformers – Part 22-7: Power transformer
and reactor fittings – Accessories and fittings
(IEC 60076-22-7:2020)**

Transformateurs de puissance – Partie 22-7:
Transformateur de puissance et bobines
d'inductance – Accessoires et équipements
(IEC 60076-22-7:2020)

Leistungstransformatoren – Teil 22-7:
Zubehörteile von Leistungstransformatoren und
Drosselspulen – Zubehörteile und Armaturen
(IEC 60076-22-7:2020)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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

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Endorsement notice

The text of the International Standard IEC 60076-22-7:2020 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 60076-5	NOTE	Harmonized as EN 60076-5.
IEC 60076-6	NOTE	Harmonized as EN 60076-6.
IEC 60255-5:2000	NOTE	Harmonized as EN 60255-5:2001 (not modified).

Endorsement notice

The text of the Corrigendum IEC 60076-22-7:2020/COR1:2023 was approved by CENELEC as EN IEC 60076-22-7:2020/AC:2023-07 without any modification.

In Annex C, replace the line:

“ V [dm³] = volume of insulating liquid in the transformer”

with the following:

“ V [m³] = volume of insulating liquid in the transformer”

Additionally in Annex C, replace the line:

“Silica gel content = $(7,4 \times 10^{-4} \times 84\,000 \times 20 \times 6,88 \times 365) / 150 = 20,8$ kg”

with the following:

“Silica gel content = $(7,4 \times 10^{-4} \times 84 \times 20 \times 6,88 \times 365) / 150 = 20,8$ kg”.