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2-3: KESKMISE JÕUTRAFOD. TARVIKUD

Power transformers - Additional European
requirements - Part 2-3: Medium power transformer -
Accessories

EESTI STANDARDI EESSÕNA

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English Version

**Power transformers - Additional European requirements -
Part 2-3: Medium power transformer - Accessories**

Transformateurs de puissance - Exigences européennes
supplémentaires - Partie 2-3 : Transformateurs de moyenne
puissance - Accessoires

Leistungstransformatoren - Zusätzliche europäische
Anforderungen - Teil 2-3: Mittelleistungstransformatoren -
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European foreword

This document (EN 50708-2-3:2022) has been prepared by CLC/TC 14 "Power transformers".

The following dates are fixed:

- latest date by which this document has to be (dop) 2023-08-15
implemented at national level by publication of
an identical national standard or by
endorsement
- latest date by which the national standards (dow) 2025-08-15
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Introduction

This part of the EN 50708 series deals with the accessories.

For the purpose of this document, the requirements of the general EN 50708-1-1:2020 apply.

This document contains particular requirements for specific transformers or transformer applications, which are based on the requirements of the general EN 50708-1-1:2020.

This document should be considered in conjunction with the requirements of the general parts.

The particular requirements of the different sub parts of EN 50708 supplement, modify or replace certain requirements of the general parts of EN 50708-1 and/or EN 50708-1-X being valid at the time of publication of this document. The absence of references to the exclusion of a part or a clause of a general part means that the corresponding clauses of the general part are applicable (undated reference).

Requirements of other -X parts with X greater than 1 being eventually relevant for cases covered by this document also apply. This document could therefore also supplement, modify or replace certain of these requirements valid at the time of publication of this document.

The main clause numbering of each part follows the pattern and corresponding references of EN 50708-1-1:2020. The numbers following the particular number of this document are those of the corresponding parts, or clauses of the other parts of the EN 50708 series, valid at the time of publication of this document.

In the case where new or amended general parts with modified numbering were published after the sub part was issued, the clause numbers referring to a general part in sub parts might no longer align with the latest edition of the general part. Dated references should be observed.

1 Scope

This document describes the list of typical accessories used for liquid and dry type Medium Power Transformers ($\leq 3\,150$ kVA).

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50708 (all parts), *Power transformers — Additional European requirements*

EN 50708-2-1, *Power transformers - Additional European requirements: Part 2-1 Medium power transformer - General requirements*

EN 50180 (all parts), *Bushings above 1 kV up to 36 kV and from 250 A to 3,15 kA for liquid filled transformers*

EN 50336, *Bushings for transformers and reactor cable boxes not exceeding 36 kV*

EN 50386, *Bushings up to 1 kV and from 250 A to 5 kA, for liquid filled transformers*

EN 50387, *Busbar bushings up to 1 kV and from 1,25 kA to 5 kA, for liquid filled transformers*

EN IEC 60076-22-7:2020, *Power transformers - Part 22-7: Power transformer and reactor fittings - Accessories and fittings*

IEC/TR 60616, *Terminal and tapping markings for power transformers*

EN IEC 60076-11, *Power transformers — Part 11 : Dry type transformers*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 50708 (all parts) apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Service conditions

Refer to EN 60076-1.

5 Electrical characteristics

These shall comply with EN 50708-2-1.

6 Design requirements

6.1 Liquid immersed transformers

6.1.1 Type of liquid preservation system

The type of liquid preservation system shall be indicated in the enquiry and order.