

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Power transformers –

Part 22-8: Power transformer and reactor fittings – Devices suitable for use in communication networks

Transformateurs de puissance –

Partie 22-8: Accessoires pour transformateurs de puissance et bobines d'inductance – Dispositifs compatibles avec les réseaux de communication



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

POWER TRANSFORMERS –

**Part 22-8: Power transformer and reactor fittings –
Devices suitable for use in communication networks**

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IEC 60076-22-8 has been prepared by IEC technical committee 14: Power transformers. It is an International Standard.

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

CDV	Report on voting
14/1057/CDV	14/1062A/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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 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- withdrawn,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.

INTRODUCTION

Under the title "Power transformer and reactor fittings – Devices suitable for use in communication networks", IEC 60076-22-8 covers an exhaustive selection of devices that are currently used in communication networks.

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POWER TRANSFORMERS –

Part 22-8: Power transformer and reactor fittings – Devices suitable for use in communication networks

1 Scope

This part of IEC 60076-22 applies to a selection of accessories and fittings mounted on liquid immersed power transformers according to IEC 60076-1 and reactors according to IEC 60076-6 with or without conservator for indoor or outdoor installation.

It outlines the operation requirements specific to each device as well as the data made available to the communication network and the type and routine test to be performed.

The communication network is not part of the scope of this document.

2 Normative references

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.

IEC 60076-22-1:2019, *Power transformers – Part 22-1: Power transformer and reactor fittings – Protective devices*

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

IEC 61000-6-4, *Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments*

IEC 61000-6-5, *Electromagnetic compatibility (EMC) – Part 6-5: Generic standards – Immunity for equipment used in power station and substation environment*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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

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

3.1

communication network

collection of terminal nodes

Note 1 to entry: Links are connected to enable communication between the devices.

Note 2 to entry: Means of transmission of signals in one direction between two points.