



NSAI
Standards

Irish Standard
I.S. EN 50216-4:2015

Power transformer and reactor fittings - Part 4: Basic accessories (earthing terminal, drain and filling devices, thermometer pocket, wheel assembly)

I.S. EN 50216-4:2015

Incorporating amendments/corrigenda/National Annexes issued since publication:

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EUROPEAN STANDARD

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English Version

Power transformer and reactor fittings - Part 4: Basic accessories (earthing terminal, drain and filling devices, thermometer pocket, wheel assembly)

Accessoires pour transformateurs de puissance et bobines d'inductance - Partie 4: Accessoires de base (borne de terre, orifice de remplissage, vanne de vidange, doigt de gant, galets de roulement)

Zubehör für Transformatoren und Drosselspulen - Teil 4: Grundzubehör (Erdungsklemme, Ablass- und Füllleinrichtungen, Thermometertasche, Radbaugruppe)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

This document (EN 50216-4:2015) has been prepared by CLC/TC 14, "Power transformers".

The following dates are fixed:

- latest date by which this document has (dop) 2015-12-15
to be implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2017-12-15
standards conflicting with this
document have to be withdrawn

This document supersedes EN 50216-4:2002.

The main technical changes compared to the first edition are the following:

- Earth terminal Type B3 added;
- Figure 7 updated;
- Clause 8 completely new.

EN 50216-4 is to be read in conjunction with EN 50216-1.

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1 Scope

EN 50216-4 specifies basic accessories of transformers / reactors, such as

- Thermometer pockets, to be used for liquid immersed transformers,
- Earth terminals; to be used for liquid immersed and dry-type transformers,
- Draining plugs, to be used for liquid immersed distribution transformers,
- Filling openings, to be used for liquid immersed distribution transformers,
- Rollers, choice and distance to be used for liquid immersed and dry-type transformers.

After agreement between purchaser and manufacturer, this part of EN 50216 Series may still be applicable either as a whole or in part to large power transformers or special transformers.

2 Normative references

Addition to EN 50216-1:

EN 50464	Series	<i>Three-phase oil-immersed distribution transformers 50 Hz, from 50 kVA to 2 500 kVA with highest voltage for equipment not exceeding 36 kV</i>
EN 50522		<i>Earthing of power installations exceeding 1 kV a.c.</i>
EN 50541	Series	<i>Three-phase dry-type distribution transformers 50 Hz, from 100 kVA to 3 150 kVA, with highest voltage for equipment not exceeding 36 kV</i>
EN 60076	Series	<i>Power transformers (IEC 60076 Series)</i>

3 Terms and definitions

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

3.1

thermometer pocket

a device, generally mounted (may be welded) on the transformer or reactor cover, intended to house a thermometer to measure the insulating liquid temperature (marking A)

3.2

earth terminal

a terminal placed on the dry-type transformer structure or on the liquid immersed transformer/reactor tank, for connection to an earthing system (marking B)

3.3

draining plug

a device intended to sample or remove the insulating liquid from a transformer tank (marking C)

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