



BSI Standards Publication

Ferrite cores — Guidelines on dimensions and the limits of surface irregularities

Part 3: Half pot-cores made of ferrite for inductive proximity switches

National foreword

This British Standard is the UK implementation of EN IEC 63093-3:2020. It is identical to IEC 63093-3:2020. It supersedes BS EN 62323:2005, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EPL/51, Transformers, inductors, magnetic components and ferrite materials.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2020

Published by BSI Standards Limited 2020

ISBN 978 0 539 02392 3

ICS 29.100.10

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 May 2020.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

English Version

Ferrite cores - Guidelines on dimensions and the limits of
surface irregularities - Part 3: Half pot-cores made of ferrite for
inductive proximity switches
(IEC 63093-3:2020)

Noyaux ferrites - Lignes directrices relatives aux
dimensions et limites des irrégularités de surface - Partie 3:
Demi-circuits magnétiques en pots en ferrite pour des
commutateurs inductifs de proximité
(IEC 63093-3:2020)

Ferritkerne - Richtlinien zu Maßen und Grenzen von
Oberflächenschädigungen - Teil 3: Ferritschalenkernhälften
für induktive Näherungsschalter
(IEC 63093-3:2020)

This European Standard was approved by CENELEC on 2020-05-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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

European foreword

The text of document 51/1300/CDV, future edition 1 of IEC 63093-3, prepared by IEC/TC 51 "Magnetic components, ferrite and magnetic powder materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63093-3:2020.

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) 2021-02-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-05-01

This document supersedes EN 62323:2005 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 63093-3:2020 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 61332	NOTE	Harmonized as EN 61332
IEC 62044-1	NOTE	Harmonized as EN 62044-1
IEC 62044-2	NOTE	Harmonized as EN 62044-2
IEC 62044-3	NOTE	Harmonized as EN 62044-3
IEC 62317-1	NOTE	Harmonized as EN 62317-1
IEC 62317-2	NOTE	Harmonized as EN 62317-2

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60401-1	-	Terms and nomenclature for cores made of magnetically soft ferrites - Part 1: Terms used for physical irregularities and reference of dimensions	-	-
IEC 60424-1	2015	Ferrite cores - Guidelines on the limits of surface irregularities - Part 1: General specification	EN 60424-1	2016

This page deliberately left blank