

STN	Tlmivky pre elektromagnetické odrušenie Časť 2-1: Predtlač podrobnej špecifikácie Tlmivky, pre ktoré sú požadované bezpečnostné skúšky	STN EN IEC 60938-2-1 35 8271
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Fixed inductors for electromagnetic interference suppression - Part 2-1: Blank detail specification - Inductors for which safety tests are required

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/24

Obsahuje: EN IEC 60938-2-1:2024, IEC 60938-2-1:2023

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 60938-2-1

January 2024

ICS 29.100.10; 31.020

Supersedes EN 60938-2-1:1999

English Version

**Fixed inductors for electromagnetic interference suppression -
Part 2-1: Blank detail specification - Inductors for which safety
tests are required
(IEC 60938-2-1:2023)**

Inductances fixes d'antiparasitage - Partie 2-1: Spécification
particulière-cadre - Inductances exigeant des essais de
sécurité
(IEC 60938-2-1:2023)

Ortsfeste Induktivitäten zur elektromagnetischen
Störunterdrückung - Teil 2-1: Blank-Detailspezifikation -
Induktivitäten, für die Sicherheitsprüfungen erforderlich sind
- Bewertungsstufe D
(IEC 60938-2-1:2023)

This European Standard was approved by CENELEC on 2024-01-10. 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.

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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

EN IEC 60938-2-1:2024 (E)**European foreword**

The text of document 40/3084/FDIS, future edition 2 of IEC 60938-2-1, prepared by IEC/TC 40 "Capacitors and resistors for electronic equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60938-2-1:2024.

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) 2024-10-10
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2027-01-10

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In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 60938-2-2:1999 NOTE Approved as EN 60938-2-2:1999 (not modified)

IEC 61193-2 NOTE Approved as EN 61193-2

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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60938-2	2021	Fixed inductors for electromagnetic interference suppression - Part 2: Sectional specification on power line chokes	EN IEC 60938-2	2021



IEC 60938-2-1

Edition 2.0 2023-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Fixed inductors for electromagnetic interference suppression –
Part 2-1: Blank detail specification – Inductors for which safety tests are
required**

**Inductances fixes d'antiparasitage –
Partie 2-1: Spécification particulière-cadre – Inductances exigeant des essais de
sécurité**



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IEC 60938-2-1

Edition 2.0 2023-12

INTERNATIONAL STANDARD

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**Fixed inductors for electromagnetic interference suppression –
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CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	7
2 Normative references	7
3 Terms and definitions	7
4 General information	7
4.1 Methods of mounting.....	7
4.2 Dimensions	8
4.3 Ratings and characteristics	8
4.4 Marking.....	8
4.5 Ordering information	8
4.6 Certified records of released lots	9
4.7 Additional information (not for inspection purposes).....	9
4.8 Additional or increased severities or requirements to those specified in the generic or sectional specification	9
5 Inspection requirements	9
5.1 Procedures	9
5.2 Test schedules.....	9
5.2.1 Initial approval.....	9
5.2.2 Conformance tests.....	9
5.2.3 Quality conformance inspection	10
Annex A (normative) Declaration of design	11
Annex B (informative) Quality conformance inspection.....	12
Bibliography.....	17
Table 1 – Dimensions related to case size	8
Table 2 – Type designation related to values of inductance, rated current and DC resistance	8
Table 3 – Other characteristics	9
Table 4 – Conformance tests (lot by lot).....	9
Table B.1 – Test schedule for quality conformance inspection	12
Table B.2 – Test schedule for quality conformance inspection – periodical tests	13

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIXED INDUCTORS FOR ELECTROMAGNETIC
INTERFERENCE SUPPRESSION –****Part 2-1: Blank detail specification –
Inductors for which safety tests are required**

FOREWORD

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IEC 60938-2-1 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment. It is an International Standard.

This second edition cancels and replaces the first edition published in 1999. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) it combines IEC 60938-2-1:1999 and IEC 60938-2-2:1999 into one Blank detail specification (BDS);
- b) test schedule for quality conformance inspection is moved to an informative annex (Annex B).

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

Draft	Report on voting
40/3084/FDIS	40/3103/RVD

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 60938 series, published under the general title *Fixed inductors for electromagnetic interference suppression*, 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, or
- revised.

INTRODUCTION

Blank detail specification

A blank detail specification is a supplementary document to the sectional specification and contains requirements for style, layout and minimum content of detail specifications. Detail specifications not complying with these requirements shall not be considered as being in accordance with IEC specifications nor shall they so be described.

In the preparation of detail specifications, the content of 4.3 of the sectional specification shall be taken into account.

The numbers between square brackets on the first page of the detail specification correspond to the following information which shall be inserted in the position indicated.

Identification of the detail specification

- [1] The "International Electrotechnical Commission" or the National Standards Organization under whose authority the detail specification is drafted.
- [2] The IEC or National Standards number of the detail specification, date of issue and any further information required by the national system.
- [3] The number and issue number of the IEC or national generic specification.
- [4] The IEC number of the blank detail specification.

Identification of the inductor

- [5] A short description of the type of inductor.
- [6] Information on typical construction (when applicable).
- [7] Outline drawing with main dimensions which are of importance for interchangeability and/or reference to the national or international documents for outlines. Alternatively, this drawing may be given in an annex to the detail specification.
- [8] Application or group of applications covered and/or assessment level.
- [9] Reference data on the most important properties, to allow comparison between the various inductor types.

[1]	IEC 60938-2-1XX QC XXXXXXXXXXXXX	[2]
ELECTRONIC COMPONENTS OF ASSESSED QUALITY IN ACCORDANCE WITH:	IEC 60938-2-1 QC XXXXXX	[4]
[3]	FIXED INDUCTORS FOR ELECTROMAGNETIC INTERFERENCE SUPPRESSION FOR WHICH SAFETY TESTS ARE REQUIRED	[5]
Outline drawing: (see Table 1) (... angle projection)		
[7] (Other shapes are permitted within the dimensions given)		[6]
		[8]
NOTES [1] to [9] see page 4.		

[9]

Information on the availability of components qualified to this detail specification is given in the Register of Approvals.

FIXED INDUCTORS FOR ELECTROMAGNETIC INTERFERENCE SUPPRESSION –

Part 2-1: Blank detail specification – Inductors for which safety tests are required

1 Scope

This part of IEC 60938-2 is applicable to the drafting of detail specifications for fixed inductors for which safety tests are required for use in electronic equipment.

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 60938-2:2021, *Fixed inductors for electromagnetic interference suppression – Part 2: Sectional specification on power line chokes*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN