

<b>STN</b>	<b>Základné informácie na použitie kondenzátorov, rezistorov, induktorov a úplných filtrov na elektromagnetické odrušenie.</b>	<b>STN EN 60940</b>  35 8270
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Guidance information on the application of capacitors, resistors, inductors and complete filter units for electromagnetic interference suppression

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. 09/15

Obsahuje: EN 60940:2015, IEC 60940:2015

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Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2015  
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD

**EN 60940**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2015

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ICS 33.100

English Version

Guidance information on the application of capacitors, resistors,  
inductors and complete filter units for electromagnetic  
interference suppression  
(IEC 60940:2015)

Guide d'emploi des condensateurs, résistances,  
inductances et filtres complets d'antiparasitage  
(IEC 60940:2015)

Grundlagen für die Anwendung von Kondensatoren,  
Widerständen, Drosseln und vollständigen Filtereinheiten  
zur Unterdrückung elektromagnetischer Störungen  
(IEC 60940:2015)

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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## Foreword

The text of document 40/2337/FDIS, future edition 2 of IEC 60940, 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 60940:2015.

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) 2016-01-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-04-14

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

IEC 60068-2-78	NOTE	Harmonized as EN 60068-2-78.
IEC 60204-1	NOTE	Harmonized as EN 60204-1.
IEC 60384-14-1	NOTE	Harmonized as EN 60384-14-1.
IEC 60384-14-2	NOTE	Harmonized as EN 60384-14-2.
IEC 60384-14-3	NOTE	Harmonized as EN 60384-14-3.
IEC 60664-1	NOTE	Harmonized as EN 60664-1.
IEC 60938-1	NOTE	Harmonized as EN 60938-1.
IEC 60938-2	NOTE	Harmonized as EN 60938-2.
IEC 60938-2-1	NOTE	Harmonized as EN 60938-2-1.
IEC 60938-2-2	NOTE	Harmonized as EN 60938-2-2.
IEC 60939-1	NOTE	Harmonized as EN 60939-1.
IEC 60939-2	NOTE	Harmonized as EN 60939-2.
IEC 60939-2-1	NOTE	Harmonized as EN 60939-2-1.
IEC 60939-2-2	NOTE	Harmonized as EN 60939-2-2.
IEC 60950-1	NOTE	Harmonized as EN 60950-1.
IEC 62368-1	NOTE	Harmonized as EN 62368-1.
CISPR 11	NOTE	Harmonized as EN 55011.
CISPR 17	NOTE	Harmonized as EN 55017.

## **Annex ZA** (normative)

### **Normative references to international publications with their corresponding European publications**

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.

NOTE 1 When 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](http://www.cenelec.eu)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60335-1	-	Household and similar electrical appliances - Safety - Part 1: General requirements	EN 60335-1	-
IEC 60384-14	-	Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains	EN 60384-14	-



# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Guidance information on the application of capacitors, resistors, inductors and complete filter units for electromagnetic interference suppression**

**Guide d'emploi des condensateurs, résistances, inductances et filtres complets d'antiparasitage**





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IEC 60940

Edition 2.0 2015-03

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Guidance information on the application of capacitors, resistors, inductors and complete filter units for electromagnetic interference suppression**

**Guide d'emploi des condensateurs, résistances, inductances et filtres complets d'antiparasitage**

INTERNATIONAL  
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**GUIDANCE INFORMATION ON THE APPLICATION OF CAPACITORS,  
RESISTORS, INDUCTORS AND COMPLETE FILTER UNITS FOR  
ELECTROMAGNETIC INTERFERENCE SUPPRESSION**

## FOREWORD

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International Standard IEC 60940 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment.

This second edition cancels and replaces the first edition published in 1988. This second edition is a result of maintenance activities related to the previous edition. All changes that have been agreed upon can be categorized as minor revisions.

The text of this standard is based on the following documents:

FDIS	Report on voting
40/2337/FDIS	40/2362/RVD

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

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## **GUIDANCE INFORMATION ON THE APPLICATION OF CAPACITORS, RESISTORS, INDUCTORS AND COMPLETE FILTER UNITS FOR ELECTROMAGNETIC INTERFERENCE SUPPRESSION**

### **1 Scope**

This international standard provides guidance applicable to information on application of capacitors, resistors, inductors, and complete filter units for electromagnetic interference suppression.

### **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.

IEC 60335-1, *Household and similar electrical appliances – Safety – Part 1: General requirements*

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