



SLOVENSKI STANDARD
SIST EN 133201:2002
01-september-2002

Blank detail specification: Passive filter units for electromagnetic interference suppression - Filters for which safety tests are required

Blank Detail Specification: Passive filter units for electromagnetic interference suppression - Filters for which safety tests are required

Vordruck für Bauartspezifikation: Passive Filter zur Unterdrückung elektromagnetischer Störungen - Filter, für die Sicherheitsprüfungen vorgeschrieben sind

Spécification particulière cadre: Filtres passifs d'antiparasitage - Filtres pour lesquels des essais de sécurité sont exigés

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Ta slovenski standard je istoveten z: EN 133201:1998

ICS:

31.160	Električni filtri	Electric filters
33.100.10	Emisija	Emission

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 133201

August 1998

ICS 31.160; 33.100

Descriptors: Quality, electronic components, capacitors

English version

**Blank Detail Specification:
Passive filter units for electromagnetic interference suppression
Filters for which safety tests are required**

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Filtres passifs d'antiparasitage
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sécurité sont exigés

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Passive Filter zur Unterdrückung
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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This European Standard was prepared by the the Technical Committee CENELEC TC 40XA, Capacitors.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 133201 on 1998-08-01.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 1999-08-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1999-08-01

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Identification of the detail specification and of the component

The first page of the DS should have the layout recommended on page 4. The numbers in square brackets correspond to the following indications which should be given:

- [1] Manufacturer's name.
- [2] The CECC symbol and the number allotted to the DS.
- [3] The number and issue of the EN generic and sectional specifications as relevant.
- [4] Manufacturer's style designation.
- [5] A brief description of the component or range of components.
- [6] Information on typical construction.
- [7] Outline drawing with main dimensions which are of importance for interchangeability and/or reference to the appropriate national or international documents for outlines. Alternatively, this drawing may be given in an appendix to the detail specification, but [7] should always contain an illustration of the general outer appearance of the component.
- [8] The level(s) of quality assessment covered by the detail specification.
- [9] Reference data giving information on the most important properties of the component which allow comparison between the various component types intended for the same, or for similar applications.

[1]	[2] EN 133 201-.... CECC-Symbol
[3] ELECTRONIC COMPONENTS OF ASSESSED QUALITY - DETAIL SPECIFICATION IN ACCORDANCE WITH: EN 133000 EN 133200	[4]
[7] Outline and dimensions: (... angle projection)	[5] PASSIVE FILTERS FOR ELECTROMAGNETIC INTERFERENCE SUPPRESSION AND FOR CONNECTION TO THE SUPPLY MAINS - FILTERS FOR WHICH SAFETY TESTS ARE REQUIRED
	[6] TYPICAL CONSTRUCTION: cylindrical/rectangular non-metallic/metallic case insulated/non-insulated axial/radial/screwed terminations contains capacitors of sub-classes X? and Y?
	[8] Assessment level D

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REFERENCE DATA: Rated voltages, current range, climatic category,
frequency range, insertion loss range, functional circuit diagram.

[9]

1 - GENERAL DATA

1.1 Method of mounting for vibration, bump and shock tests

See 1.3.2 of EN 133200.

1.2 Dimensions

TABLE 1

Case size reference	Dimensions (in mm)							
	L	W	H

NOTES

1 - When there is no case size reference, Table 1 may be omitted and the dimensions shall be given in Table 2, which then becomes Table 1.

2 - The dimensions shall be given as maximum dimensions or as nominal dimensions with a tolerance.

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1.3 Ratings and characteristics

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Rated voltages	(see Table 2A)
Category voltage (if applicable)	(see Table 2A)
Rated current	(see Table 2B)
D.C. line resistance or d.c. voltage drop at rated current	
Maximum current at upper category temperature and derating curve (if applicable)	
Maximum internal and external temperatures for temperature rise test (if applicable)	
Climatic category	
Rated temperature	
Insertion loss, no load/room temperature	(see Table 2A)
Insertion loss, load/temperature	(see Table 2B)
Insulation resistance	
Shunt resistance (if applicable)	
Category of passive flammability (if applicable)	

TABLE 2A
Insertion loss at no load

Case size or type designation	Rated voltage	Category voltage	Minimum insertion loss (dB)						
			kHz	kHz	MHz	MHz	MHz	GHz	GHz

TABLE 2B
Insertion loss at specified current and temperature

Case size or type designation	Rated current	Test current	Test temp. °C	Minimum insertion loss (dB)						
				kHz	kHz	MHz	MHz	MHz	GHz	GHz

1.4 Related documents

Generic specification: EN 133000

Sectional specification: EN 133200

1.5 Marking

The marking of the filter, if any, and the packing shall be in accordance with 1.5 of EN 133200.

NOTE - The details of the marking of the filter and the packing shall be given in full in the detail specification.

1.6 Ordering information

Orders for filters covered by this specification shall contain, in clear or in coded form, the following information:

- (1) Type designation
- (2) Rated voltage
- (3) Number and issue reference of this detail specification

1.7 Certified test records

Required/not required.

1.8 Additional information (not for inspection purposes)**1.9 Additional or increased severities or requirements to those specified in the generic and/or sectional specification**

NOTE - Additional or increased requirements should be specified only when essential.

TABLE 3
Other characteristics

<p>This table is to be used for defining characteristics which are additional to or more severe than those given in the sectional specification.</p>
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2 - INSPECTION REQUIREMENTS

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2.1 Procedures

2.1.1 For Qualification Approval the procedures shall be in accordance with 3.4.2 of EN 133200.

2.1.2 For Quality Conformance inspection the test schedule (Table 4) includes sampling, periodicity, severities and requirements. The formation of inspection lots is covered by clause 3.5.1 of EN 133200.