



SLOVENSKI STANDARD

SIST EN 125401:2002

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Blank detail specification: Adjusters used with magnetic oxide cores for use in inductors and tuned transformers

Blank Detail Specification: Adjusters used with magnetic oxide (ferrite) cores for use in inductors and tuned transformers

Vordruck für Bauartspezifikation: Abgleiche für Kerne aus magnetischen Oxiden (Ferriten) in Spulen und abgestimmten Übertragen

Spécification particulière cadre: Bâtonnets de réglage employés avec des noyaux en oxydes magnétiques (ferrites) destinés aux bobines d'inductance et transformateurs accordés

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Ta slovenski standard je istoveten z: EN 125401:1991

ICS:

29.100.10 Magnetne komponente Magnetic components

SIST EN 125401:2002

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 125401

December 1991

UDC:

Descriptors: Quality, electronic components, adjusters

English version

**Blank Detail Specification:
Adjusters used with magnetic oxide (ferrite) cores for
use in inductors and tuned transformers**

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Bâtonnets de réglage employés
avec des noyaux en oxydes
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Vordruck für Bauartspezifikation:
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magnetischen Oxiden (Ferriten)
in Spulen und abgestimmten Übertragern

STANDARD PREVIEW
(standards.iteh.ai)

This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 20 November 1991. The text of this standard consists of the text of CECC 25401 Issue 1 1982 of the corresponding CECC Specification. CENELEC members are bound to comply with 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 General Secretariat of the CECC 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 CECC General Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and United Kingdom. The membership of the CECC is identical, with the exception of the national electrotechnical committees of Greece, Iceland and Luxembourg.

CECC

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

The CENELEC Electronic Components Committee (CECC) is composed of those member countries of the European Committee for Electrotechnical Standardization (CENELEC) who wish to take part in a harmonized System for electronic components of assessed quality.

The object of the System is to facilitate international trade by the harmonization of specifications and quality assessment procedures for electronic components, and by the grant of an internationally recognized Mark, or Certificate, of Conformity. The components produced under the System are thereby accepted by all member countries without further testing.

This specification has been formally approved by the CECC, and has been prepared for those countries taking part in the System who wish to issue national harmonized specifications for ADJUSTERS USED WITH MAGNETIC OXIDE CORES FOR USE IN INDUCTORS AND TUNED TRANSFORMERS. It should be read in conjunction with document CECC 00100: Basic Rules (1974).

At the date of printing of this document, the member countries of the CECC are Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Norway, Sweden, Switzerland, and the United Kingdom.

Preface

This blank detail specification (BDS) was prepared by CECC Working Group 12: "Magnetic Components".

It is related to the generic specification printed as CECC 25000 and sectional specification printed as CECC 25400.

In accordance with the requirements of document CECC 00100, it is based, wherever possible, on the Recommendations of the International Electrotechnical Commission and in particular on IEC 367: *Cores for inductors and transformers for telecommunications*.

The text of this BDS was circulated to the CECC for voting in the document indicated below and was ratified by the President of the CECC for printing as a CECC specification:

Document	Voting Date	Report on the voting
CECC (Secretariat)968	June 1981	CECC (Secretariat)1079

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The following information shall be included in each detail specification (DS) together with the required values. Any grouping into families shall be based on the relevant core bore size and mechanical system and shall be stated in the DS.

The general data necessary to identify the DS and the component shall preferably be presented as shown in 7.

The numbers in brackets on page 3 indicate the following information which shall be given:

1 Identification of the DS

- (1) The name of the National Standards Organization under whose authority the DS is published and, if applicable, the organization from whom the DS is available
- (2) The CECC symbol and the number allotted to the DS by the CECC General Secretariat
- (3) The number and issue number of the CECC generic or sectional specification as relevant; also national reference if different
- (4) If different from the CECC number, the national number of the DS, date of issue and any further information required by the national system, together with any amendment numbers.

2 Identification of the adjuster

- (5) A brief description of the type of adjuster
- (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 document for outlines
- (8) Application or group of applications covered by the DS
- (9) Specify reference core.

For (5) and (6) the text to be given in the DS should be suitable for an entry in CECC 00200 and CECC 00300.

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3 Limiting conditions (not for inspection purposes)

- Operating conditions : Any mechanical or environmental conditions which shall not be exceeded shall be stated as absolute values
- Storage conditions : for example: – 10 °C to 70 °C, but a combination of high humidity and high temperature should be avoided.

4 Marking of component and package

4.1 Component

Colour coding if specified

4.2 Package

- Detail specification reference
- Manufacturer's component designation and name of manufacturer or ideogram
- Quantity

5 Additional information

Information on the reference core should be given.


6 Ordering information

6.1 Detail specification reference

6.2 Manufacturer's component designation

7 Format of the detail specification

Detail specifications for adjusters shall be in accordance with the format of this BDS.

(1) Specification available from:-	(2) CECC 25401-xxx 
(3) ELECTRONIC COMPONENTS OF ASSESSED QUALITY — DETAIL SPECIFICATION IN ACCORDANCE WITH	(4)
(7) Outline and dimensions:- (first angle projection)	(5) DETAIL SPECIFICATION FOR Magnetic adjusters intended for inductor and tuned transformer applications
	(6) <p style="text-align: center;">iTeh STANDARD PREVIEW (standards.iteh.ai)</p> <p style="text-align: center;">SIST EN 125401:2002 https://standards.iteh.ai/catalog/standards/sist/32553753-95b1-4a03-aadf-9cddea78c7e0/sist-en-125401-2002</p>
	(8)
	(9)

See the current Qualified Products List for the availability of components qualified to this detail specification

<p>3 Limiting conditions (not for inspection purposes)</p> <ul style="list-style-type: none"> — Operating conditions : temperature range specified — Storage conditions : temperature range specified. <p>4 Marking of component and package</p> <p>4.1 Component :</p> <ul style="list-style-type: none"> — for example: colour coding <p>4.2 Package :</p> <ul style="list-style-type: none"> — DS reference — Manufacturer's component designation and name of manufacturer or ideogram — Quantity. <p style="text-align: center;">iTeh STANDARD PREVIEW (standards.iteh.ai)</p> <p>6 Ordering information</p> <p>6.1 DS reference</p> <p>6.2 Manufacturer's component designation.</p>	<p>Values</p>
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Test schedule

CECC 25400 Clause Number and Test	Conditions of Test	IL	AQL	Performance Requirements
GROUP A INSPECTION				
To be conducted on a sampling basis, lot-by-lot				
Sub-Group A1 (Non destructive)				
3.1.2 to 3.1.4 Visual inspection		1	1,5 %	as in 3.1
Sub-Group A2 (Destructive)				
3.3 Adjustment range	\hat{B} f(kHz) U(mV)	S-2	4 %	$a_{max.}$ $b_{min.}$ $(\frac{\Delta L}{L}/turn)_{max.}$ in %

NOTE Inspection level (IL) and acceptable quality level (AQL) from CECC 00007 (IEC 410).

Test schedule

CECC 25400 Clause Number and Test	Conditions of Test	Sample size & criterion of acceptability			Performance Requirements
		P	n	c ^a	
GROUP C INSPECTION					
To be conducted on a sampling basis at the periodicity given in column "P"					
Sub-Group C1 (Destructive)					
Mechanical testing					
3.4.1 Adjusting torque		6	15	1	N.m upper limit lower limit without damage
3.4.2 End stop torque		6	15	1	
Sub-Group C2 (Destructive)					
3.5 Contribution of the adjusting device to the core instability	Clamping force test coil N: B f(KHz) U(mV) t ₁ , t	36	5		for information only
In this table: P = Periodicity (in months); n = sample size; c = acceptance criterion.					
^a The sample size should be increased if necessary to take account of each position of a multicavity die.					

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