



SLOVENSKI STANDARD

SIST EN 147101:2002

01-december-2002

Blank Detail Specification: Relay sockets of assessed quality

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Vordruck für Bauartspezifikationen: Gütebestätigte Relaisfassungen

Spécification particulière cadre: Supports de relais sous assurance de la qualité

Ta slovenski standard je istoveten z: EN 147101:1994

[SIST EN 147101:2002](https://standards.iteh.ai/catalog/standards/sist/96884d79-899a-4702-b25e-674b97ceb216/sist-en-147101-2002)

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ICS:

29.120.70 Releji

Relays

SIST EN 147101:2002

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 147 101

January 1994

UDC

Descriptors: Quality, electronic components, sockets

English version

Blank detail specification:

Relay sockets of assessed quality

Spécification particulière cadre:

Vordruck für Bauartspezifikationen:

Supports de relais sous assurance
de la qualité

Gütebestätigte Relaisfassungen

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This European Standard was approved by the CENELEC Electronic Components Committee (CECC) on 10 August 1992. 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

CENELEC Electronic Components Committee

Comité des Composants Electroniques du CENELEC

CENELEC- Komitee für Bauelemente der Elektronik

General Secretariat: Gartenstr. 179, 60596 Frankfurt am Main

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 the 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 acceptable in all member countries without further testing.


This specification was prepared by CECC WG 16 " Relays".

The text of the draft based on document CECC (Secretariat)2782 was submitted to the formal vote; together with the voting report, circulated as document CECC(Secretariat)3142, it was approved by CECC as EN 147 101 on 10 August 1992.

The following dates were fixed:

- | | | |
|---|-------|------------|
| - latest date of announcement of the EN at national level | (doa) | 1993-02-11 |
| - latest date of publication of an identical national standard | (dop) | 1993-08-11 |
| - latest date of declaration of national standards obsolescence | | 1993-08-11 |
| - latest date of withdrawal of conflicting national standards | (dow) | 2003-02-11 |

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| | | |
|--|--|---|
| (1) | CECC 147 101-xxx Issue: Pages 1 to | (2)  |
| Electronic components of assessed quality in accordance with EN 147 000 : 1993 EN 147 100 : 1993 | (3) | (4) |
| Detail specification for relay sockets of assessed quality | | |
| Type: | (5) | |
| Construction: | (6) | |
| (Outline drawing) | (7) | Application: (8) |
| <p style="text-align: center;">iTeh STANDARD PREVIEW (standards.iteh.ai)</p> <p style="text-align: center;">SIST EN 147101:2002 https://standards.iteh.ai/catalog/standards/sist/96884d79-899a-4702-b25e-674b97ceb216/sist-en-147101-2002</p> | | Test schedule: |
| Characteristics: | | (9) |
| | | (10) |
| Information about manufacturers who have components qualified to this detail specification is available in the current CECC 00 200 (Register of Approvals). | | |

Key for page 3

The first page of the detail specification should have the layout recommended on page 3. The numbers between brackets on page 3 correspond to the following indications which should be given:

Identification of the detail specification

- (1) The name of the National Standardization Organization under whose authority the detail specification is published and, if applicable, the organization from whom the detail specification is available.
- (2) The CECC-symbol and the number allocated to the completed detail specification by the CECC General Secretariat.
- (3) The number and year of availability of the EN generic specification and/or sectional specification, also national reference, if different.
- (4) If different from the CECC number, the national number of the detail specification, date of issue and any further informations required by the national system, together with any amendment numbers.

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Identification of the socket

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- (5) Type: type(s) of contacts, fixed or removable, number and arrangement, contact current and voltage.
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- (6) Construction: e.g. water proof or not, nature of available wiring (wire size), other characteristics.
<https://standards.iteh.ai/catalog/standards/sist/96884d79-899a-4702-b25e-440770120002>
- (7) Basic outline drawing and cut out; the detailed variants for terminals and mountings shall be given in annexes, if necessary.
- (8) Application and test schedule.
- (9) Summary of most important characteristics allowing comparison between different variants which may be used for a given or similar application.
- (10) Component climatic category and temperature range.

Note: Contents of (5) and (6) shall be suitable for an entry in CECC 00 200.

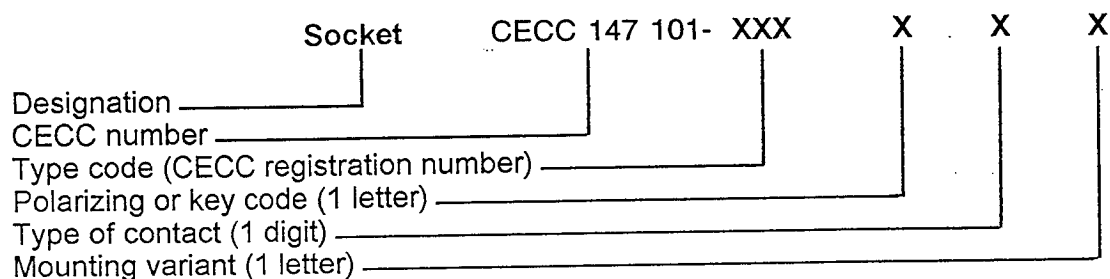
1. Related documents

| | |
|-----------------------|---|
| EN 147 000 : 1993 | Generic specification: Relay sockets of assessed quality |
| EN 147 100 : 1993 | Sectional specification: Relay sockets of assessed quality |
| CECC 00 114/II (1992) | Quality assessment procedures. Part II: Qualification approval of electronic components |

National authorized institutions will complete this section making reference to any documents or specifications directly referred to in their national equivalent of this document.

2. Characteristic values**2.1 General characteristics**

- Construction:
- Operating temperature range: °C
- Storage temperature range: °C
- Climatic category:
- Type and number of contacts:
- Mass:
- Finish of the terminals:

2.2 Construction of designation (ordering information)**2.3 Electrical characteristics**

- Contact current: A max.
- Contact resistance: initial mΩ max.
after test mΩ max.
- Insulation resistance: initial MΩ min.
after climatic sequence MΩ min.
- Dielectric withstand voltage: at nominal pressure V min.
at low atmospheric pressure V min.

2.4 Mechanical characteristics

- Shock: [acceleration, duration]
- Vibration: [sinusoidal and/or random, acceleration and frequency range]
- Bump: [acceleration, number of bumps]
- Mounting torque: Nm
- Insertion and withdrawal force / number of insertions: N /
- Contact retention into insulator body: N

3. Qualification approval procedures

- In accordance with CECC 00 114/II § 1.4 method 1 (fixed sampling).
- Sampling and test schedule are described in table 2.
- The tests specified and their order are mandatory.
- Additional samples are prescribed in some sampling groups to allow replacement of defective samples in the sampling groups. After the use of these sockets, no complementary replacement is allowed.

4. Quality conformance inspection

Quality conformance inspection contains the tests stated in table 1:

- Group A and B tests for inspection lot acceptance.
- Group C periodic tests.

Unless otherwise stated in this specification, all tests of table 1 are mandatory. Where a sub-group contains cumulative tests, the order of the tests is mandatory. Specimens subjected to tests denoted as destructive (D) shall not be released for delivery.

4.1 Formation of inspection lots

According to CECC 00 114/II clause 3.1.

4.2 Interval between group C tests

One year.

5. Marking

According to EN 147 100 : 1993 clause 5.

6. Annexes

Annexes may be added, for example :

- Annex 1 for polarizing or keying
- Annex 2 for type of contacts
- Annex 3 for mounting variants

7. Tests

7.1 Standard conditions for testing

All tests shall be performed according to conditions stated in EN 147 000 : 1993 clause 5.5.

7.2 Mounting of test items

The following requirements shall apply for mechanical tests e.g. shock, vibration, bump:

- The socket shall be mounted by its normal mounting methods to the test fixture.
- The test fixture shall be sufficiently rigid to minimize inherent resonances so as not to invalidate the test.

7.3. Wiring of test specimens

The detail specifications shall define the wiring method, as well as type and size of wire.

8. Ordering information

See clause 2.2.