# SLOVENSKI STANDARD
# SIST EN 160201:2001

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**Blank Detail Specification: Microwave modular electronic units of assessed quality - Capability Approval**

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Vordruck für Bauartspezifikation: Elektronische Mikrowellenmodule mit bewerteter Quallität - Befähigungsanerkennung



**Ta slovenski standard je istoveten z:** **EN 160201:1997**

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**ICS:**

| | | |
|---|---|---|
| 31.190 | Sestavljeni elektronski elementi | Electronic component assemblies |

**SIST EN 160201:2001** **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

**EN 160201**

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Descriptors: Modular electronic units, capability approval, blank detail specification

English version

# Blank Detail Specification: Microwave modular electronic units of assessed quality Capability Approval

Vordruck für Bauartspezifikation:
Elektronische Mikrowellenmodule
mit bewerteter Quallität
Befähigungsanerkennung



This European Standard was approved by CENELEC on 1994-04-30. 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.

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**



Ref. No. EN 160201:1997 E

**Foreword**

This blank detail specification has been prepared by the United Kingdom under the single originator procedure for approval and publication of CECC specifications (see RP 11: Part V). It is to be used for the assessment of Microwave Modular Electronic Units (MMEU's) within the CECC capability approval scheme. The content is in accordance with the generic specification for Modular Electronic Units (MEU's); EN 160000, sectional specification EN 160200-1 and meets the requirements of CECC 00 114: Part III.

This blank detail specification is based, wherever possible, on the publications of the International Electrotechnical Commission.

The standard defines the requirements for a Blank Detail Specification (BDS) and includes, as examples, formats for Customer's Detail Specification (CDS) and Detail Specification for Standard Catalogue Items.

The use of this document is as follows:

a) A potential customer makes an enquiry to the manufacturer for a Microwave Modular Electronic Unit within the scope of his capability published in Qualified Products List CECC 00 200.



b) The customer either agrees to use a detail specification for a standard catalogue item, which is listed in CECC 00 200 in its own right and produced by the manufacturer, or a specification is negotiated between the manufactuer and the customer until an agreed customer's detail specification is finalised. Both types of specification shall be based on the requirements of this BDS and EN 160200-1.



c) The Microwave Modular Electronic Unit is inspected and released in accordance with the agreed specification.

The text of the draft based on document CECC(Secretariat)3354 was submitted to the formal vote; together with the voting report, circulated as document CECC(Secretariat)3516, it was approved as EN 160201 on 1994–04–30.

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) 1998-06-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1999-06-01

Identification of the detail specification and of the MMEU

Front page of the detail specifications (DS)

The numbers below in square brackets correspond to those given in the formats of the front page of the detail specification for standard catalogue items and customer detail specification (CDS) given on pages 6 and 7 respectively.

NOTE: MMEU is Microwave Modular Electronic Unit and should be used as an abbreviation in the Detail Specification where applicable.

Standard catalogue MMEU: front page of DS (see page 5)

[1] Each DS shall give the name and address of National Standards Organizations 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 of the CECC generic and sectional specification; 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.



[5] Manufacturer's type number and brief description of MMEU or range of MMEU's

[6] Details of typical construction of the MMEU and **caution warning** [e.g. These devices are Static Sensative or contain beryllium oxide].

[7] An illustration of the MMEU showing the overall dimensions shall be given as an aid to easy recognition and for comparison with others. This may be marked "For inspection drawing see annex *" and a suitable annex * added to the DS. Port and/or terminal connections shall be given as appropriate. The symbols used shall be in accordace with the relevant IEC publication.

[8] Level(s) of quality assessment (if applicable).

[9] Prime characteristics (not for inspection purposes).

List prime electrical performance characteristics and climatic category of the MMEU (see clause 4).

Additional reference data (e.g. range of options, recommended conditions of use; see clause 1.3) shall be inserted in subsequent pages of the DS.

NOTE: For [5] and [6] the text to be given in the DS should be suitable for an entry in CECC 00 200 (QPL) and CECC 00 300 (library list).

Customer detail MMEU: front page of CDS (see page 7)

[1] The number and issue of the CECC generic and sectional specification; also national reference if different.

[2] Manufacturer's type number and brief description of MMEU or range of MMEU's.

[3] Details of typical construction of the MMEU and **caution warning** [e.g. These devices are Static Sensative or contain beryllium oxide].

[4] An illustration of the MMEU showing the overall dimensions shall be given as an aid to easy recognition and for comparison with others. This may be marked "For inspection drawing see annex *" and a suitable annex * added to the DS. Port and/or terminal connections shall be given as appropriate. The symbols used shall be in accordace with the relevant IEC publication.



[5] Level(s) of quality assessment (if applicable).



[6] Prime characteristics (not for inspection purposes).

List prime electrical performance characteristics and climatic category of the MMEU (see clause 4). Information on application of component.

Recommended layout for first page of detail specifications for standard catalogue items.

<table>
<tr><td>Specification available from: [1]</td><td>CECC [2]</td></tr>
<tr><td>Electronic components of assessed quality<br>- Detail specification in accordance with [3]</td><td>[4]</td></tr>
<tr><td rowspan="3">Outline and dimensions [7]</td><td>[5]</td></tr>
<tr><td>[6]</td></tr>
<tr><td>[8]</td></tr>
<tr><td colspan="2">[9]</td></tr>
</table>



| |
|---|
| Information about manufacturers who have components qualified to this detail specification is available in the current CECC 00 200: Qualified Products List. |

Recommended layout for first page of customer detail specifications not intended for registration

<table>
<tr><td>Customer:</td><td rowspan="2">Specification reference<br>Issue Number<br>Date<br>Page 1 of</td></tr>
<tr><td>Manufacturer:</td></tr>
<tr><td>Electronic components of assessed quality using capability approval procedures in accordance with [1]</td><td>Manufacturer's type number</td></tr>
<tr><td rowspan="3">Outline and dimensions [4]<br>(first angle projection):<br><br>Dimensions in mm</td><td>[2]</td></tr>
<tr><td>[3]</td></tr>
<tr><td>[5]</td></tr>
<tr><td colspan="2">[6]</td></tr>
</table>

## 1 General data

This data is inserted immediately following the front page of the DS.

In addition to the facets detailed in the following clauses, any alternative methods of test, circuit diagrams, graphs and notes necessary to clarify any part of the DS and any constraints regarding incorporated components shall be included.

### 1.1 Recommended methods of handling and mounting

Advice on storage, use of test equipment, mounting of the MMEU and soldering should be given.

### 1.2 Functional description and range of options

This shall include brief description of MMEU, options covered by the DS, functional block diagram, truth table (if applicable) and pin/port assignments.

### 1.3 Recommended conditions of use (not for inspection purposes)



i) Maximum ratings (absolute limiting values)

The appropriate electrical, environmental and endurace performance characteristics including waveguide pressures (if applicable) and operating/storage/solder temperature range(s).



The format of the table is as follows:

| Symbol | Parameter | Min. | Max. | Unit |
|---|---|---|---|---|
| | | | | |
| | | | | |

NOTE 1: Where appropriate, a derating curve and any specific instructions regarding the installation of the MMEU should follow this table.

NOTE 2: The column in the table for symbol may be used to identify a MMEU product using an appropriate part number or identity.