SLOVENSKI STANDARD

SIST EN 61811-11:2003

september 2003

Electromechanical elementary relays of assessed quality - Part 11: Blank detail specification - Relays for industrial application

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Referenčna številka SIST EN 61811-11:2003(en)

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EUROPEAN STANDARD

EN 61811-11

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English version

Electromechanical elementary relays of assessed quality Part 11: Blank detail specification -Relays for industrial application

(IEC 61811-11:2002)

Relais élémentaires électromécaniques soumis au régime d'assurance de la qualité

Partie 11: Spécification particulière cadre -Relais pour applications industrielles

Elektromechanische Elementarrelais mit bewerteter Qualität Teil 11: Vordruck für Bauartspezifikation -Relais für industrielle Anwendungen (IEC 61811-11:2002)

(CEI 61811-11:2002) iTeh STANDARD PREVIEW (standards.iteh.ai)

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This European Standard was approved by CENELEC on 2003-02-01. 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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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

The text of document 94/168/FDIS, future edition 1 of IEC 61811-10, prepared by IEC TC 94, All-or-nothing electrical relays, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61811-10 on 2003-02-01.

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) 2003-11-01

 latest date by which the national standards conflicting with the EN have to be withdrawn

(dow) 2006-02-01

Annexes designated "normative" are part of the body of the standard. Annexes designated "informative" are given for information only. In this standard, annex ZA is normative and annexes A and B are informative. Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61811-10:2002 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 60062	1992	Marking codes for resistors and capacitors	EN 60062 A11	1993 2001
IEC 60068-1 + corr. October	1988 1988	Environmental testing Part 1: General and guidance	EN 00000 4	1001
+ A1	1992	eh STANDARD PREVIE	EN 60068-1	1994
IEC 60068-2-10	1988	Part 2: Tests - Test J and guidance: Mould growth dards.iteh.ai	HD 323.2.10 S3	1988
IEC 60068-2-21	1999 https://st	Part 2-21: Tests - Test U: Robustness of terminations and integral mounting and archaels rehadcatalog/standards/sist/23b65011-2e3c-4	EN 60068-2-21 7ba-92f0-	1999
IEC 60068-2-47	1999	Part 2-47: Test methods - Mounting of components, equipment and other articles for vibration, impact and similar dynamic tests	EN 60068-2-47 + corr. June	1999 2000
IEC 60255-23	1994	Electrical relays Part 23: Contact performance	EN 60255-23	1996
IEC 60695-2-11	- 1)	Fire hazard testing Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products	EN 60695-2-11	2001 2)
IEC 60695-2-12	_ 1)	Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability test method for materials	EN 60695-2-12	2001 2)
IEC 61810-1	1998	Electromechanical non-specified time all-or-nothing relays Part 1: General requirements	EN 61810-1	1998

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 61810-5	1998	Part 5: Insulation coordination	EN 61810-5	1998
IEC 61810-7	1997	Part 7: Test and measurement procedures	-	-
IEC 61811-1	1999	Electromechanical non-specified time all-or-nothing relays of assessed quality Part 1: Generic specification	EN 61811-1	1999
IEC 61811-10	2002	Part 10: Sectional specification - Relays for industrial application	EN 61811-10	2003
IEC QC 001002	_ 1)	Rules of procedure of the IEC Quality Assessment System for Electronic Components (IECQ)	-	-
IEC QC 001005	- 1)	Register of firms, products and services approved under the IECQ System, including ISO 9000	-	-

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INTERNATIONAL STANDARD

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Electromechanical elementary relays of assessed quality –

Part 11:

Blank detail specification – Relays for industrial application

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Spécification particulière cadre –
Relais pour applications industrielles

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PRICE CODE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTROMECHANICAL ELEMENTARY RELAYS OF ASSESSED QUALITY –

Part 11: Blank detail specification – Relays for industrial application

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports of guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum Sextent possible 2103 their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.

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- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61811-11 has been prepared by IEC technical committee 94: All-or-nothing electrical relays.

This standard cancels and replaces IEC 60255-19-1 (1983).

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

FDIS	Report on voting	
94/169/FDIS	94/173/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.

The QC number that appears on the front cover of this publication is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until 2006. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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ELECTROMECHANICAL ELEMENTARY RELAYS OF ASSESSED QUALITY –

Part 11: Blank detail specification – Relays for industrial application

1 General

1.1 Scope

This part of IEC 61811 is a blank detail specification applicable to electromechanical elementary (non-specified time all-or-nothing) relays of assessed quality for industrial application.

It is based on the generic specification IEC 61811-1 and the sectional specification IEC 61811-10 and selects from IEC 61810-7 the appropriate test and measurement procedures to be used in detail specifications derived from this specification. Moreover it contains a basic test schedule to be used in the preparation of such specifications.

1.2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60062:1992, Marking codes for resistors and capacitors

https://standards.iteh.ai/catalog/standards/sist/23b650f1-2e3c-47ba-92f0 IEC 60068-1:1988, Environmental testing Part 1: General and guidance Amendment 1 (1992)

IEC 60068-2-10:1988, Basic environmental testing procedures – Part 2: Tests – Test J and guidance: mould growth

IEC 60068-2-21:1999, Environmental testing – Part 2-21: Tests – Test U: Robustness of terminations and integral mounting devices

IEC 60068-2-47:1999, Environmental testing – Part 2-47: Test methods – Mounting of components, equipment and other articles for vibration, impact and similar dynamic tests

IEC 60255-23:1996, Electrical relays – Part 23: Contact performance

IEC 60695-2-11, Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products

IEC 60695-2-12, Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability test method for materials

IEC 61810-1:1998, Electromechanical non-specified time all-or-nothing relays – Part 1: General requirements

IEC 61810-5:1998, Electromechanical non-specified time all-or-nothing relays – Part 5: Insulation coordination

IEC 61810-7:1997, Electromechanical all-or-nothing relays – Part 7: Test and measurement procedures