



SLOVENSKI STANDARD

SIST EN 62090:2018

01-marec-2018

Nadomešča:
SIST EN 62090:2003

Označbe za pakiranje elektronskih komponent s črtnimi kodami in dvodimenzionalnimi simboli

Product package labels for electronic components using bar code and two-dimensional symbologies

Etiketten für Verpackungen elektronischer Bauelemente unter Anwendung von Strichcodierung und zweidimensionaler Symbologien

Etiquettes d'emballage de produits pour composants électroniques, utilisant un code à barres et une symbologie bidimensionnelle

Ta slovenski standard je istoveten z: EN 62090:2017

ICS:

31.190	Sestavljeni elektronski elementi	Electronic component assemblies
35.040.50	Tehnike za samodejno razpoznavanje in zajem podatkov	Automatic identification and data capture techniques

SIST EN 62090:2018 en

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EUROPEAN STANDARD

EN 62090

NORME EUROPÉENNE

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July 2017

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Supersedes EN 62090:2003

English Version

Product package labels for electronic components using bar
code and two- dimensional symbologies
(IEC 62090:2017)

Étiquettes d'emballage de produits pour composants
électroniques, utilisant un code à barres et une symbologie
bidimensionnelle
(IEC 62090:2017)

Etiketten für Verpackungen elektronischer Bauelemente
unter Anwendung von Strichcodierung und
zweidimensionaler Symbologien
(IEC 62090:2017)

This European Standard was approved by CENELEC on 2017-05-16. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 62090:2017**European foreword**

The text of document 91/1394/CDV, future edition 2 of IEC 62090, prepared by IEC/TC 91 "Electronics assembly technology" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62090:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-02-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-05-16

This document supersedes EN 62090:2003.

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Endorsement notice

The text of the International Standard IEC 62090:2017 was approved by CENELEC as a European Standard without any modification.

IEC 60194	NOTE	Harmonized as EN 60194.
IEC 60286-1	NOTE	Harmonized as EN 60286-1.
IEC 60286-2	NOTE	Harmonized as EN 60286-2.
IEC 60286-3	NOTE	Harmonized as EN 60286-3.
IEC 60286-4	NOTE	Harmonized as EN 60286-4.
IEC 60286-5	NOTE	Harmonized as EN 60286-5.
IEC 60286-6	NOTE	Harmonized as EN 60286-6.
IEC 61760-4	NOTE	Harmonized as EN 61760-4.
ISO/IEC 15416	NOTE	Harmonized as EN ISO/IEC 15416.
ISO/IEC 15438	NOTE	Harmonized as EN ISO/IEC 15438.
ISO 3166-1	NOTE	Harmonized as EN ISO 3166-1.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 8601	-	Data elements and interchange formats - Information interchange - Representation of dates and times	-	-
ISO/IEC 15417	-	Information technology - Automatic identification and data capture techniques - Code 128 bar code symbology specification	-	-
ISO/IEC 15418	-	Information technology - Automatic identification and data capture techniques - GS1 Application Identifiers and ASC MH10 Data Identifiers and maintenance	-	-
ISO/IEC 15434	-	Information technology - Automatic identification and data capture techniques - Syntax for high-capacity ADC media	-	-
ISO/IEC 15459	series	Information technology - Automatic identification and data capture techniques - Unique identification	-	series
ISO/IEC 16022	-	Information technology - Automatic identification and data capture techniques - Data Matrix bar code symbology specification	-	-
ISO/IEC 16388	-	Information technology - Automatic identification and data capture techniques - Code 39 bar code symbology specification	-	-
ISO/IEC 18004	-	Information technology - Automatic identification and data capture techniques - QR Code bar code symbology specification	-	-
ISO/IEC 19762	-	Information technology - Automatic identification and data capture (AIDC) techniques - Harmonized vocabulary	-	-
ANSI MH 10.8.2	-	Data Identifier and Application Identifier Standard	-	-

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INTERNATIONAL STANDARD



Product package labels for electronic components using bar code and two-dimensional symbologies **(standards.iteh.ai)**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**PRODUCT PACKAGE LABELS FOR ELECTRONIC COMPONENTS
USING BAR CODE AND TWO-DIMENSIONAL SYMBOLOGIES**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 62090 has been prepared by IEC technical committee 91: Electronics assembly technology.

This second edition cancels and replaces the first edition published in 2002. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) Applicable data elements have been added. Data identifiers of those data elements are "10D", "14D", "2P", "25L", "18V", "V", "J", "3S", "13E", "33L" and "34L".
- b) The following new informative annexes have been added:
 - Annex C, *URL*;
 - Annex D, *Examples of data element short titles*;
 - Annex E, *Package levels for component package labels*.

The text of this International Standard is based on the following documents:

CDV	Report on voting
91/1394/CDV	91/1430/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

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

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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

A bilingual version of this publication may be issued at a later date.

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PRODUCT PACKAGE LABELS FOR ELECTRONIC COMPONENTS USING BAR CODE AND TWO-DIMENSIONAL SYMBOLOGIES

1 Scope

This document applies to labels on the packaging of electronic components for automatic handling in B2B processes. These labels use linear bar code and two-dimensional (2D) symbols. Labels for direct product marking and shipping labels are excluded. Labels required on the packaging of electronic components that are intended for the retail channel of distribution in B2C processes are also excluded from this document.

Bar code and 2D symbol markings are used, in general, for automatic identification and automatic handling of components in electronics assembly lines. Intended applications include systems that automate the control of component packages during production, inventory and distribution.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO/IEC 15417, *Information technology – Automatic identification and data capture techniques – Code 128 bar code symbology specification*

ISO/IEC 15418, *Information technology – Automatic identification and data capture techniques – GS1 Application Identifiers and ASC MH 10 Data Identifiers and maintenance*

ISO/IEC 15434, *Information technology – Automatic identification and data capture techniques – Syntax for high-capacity ADC media*

ISO/IEC 15459 (all parts), *Information technology – Automatic identification and data capture techniques – Unique identification*

ISO/IEC 16022, *Information technology – Automatic identification and data capture techniques – Data Matrix bar code symbology specification*

ISO/IEC 16388, *Information technology – Automatic identification and data capture techniques – Code 39 bar code symbology specification*

ISO/IEC 18004, *Information technology – Automatic identification and data capture techniques – QR Code bar code symbology specification*

ISO/IEC 19762, *Information technology – Automatic Identification and data capture (AIDC) techniques – Harmonized vocabulary*

ISO 8601, *Data elements and interchange formats – Information interchange – Representation of dates and times*

ANSI MH10.8.2, *Data Identifier and Application Identifier Standard*