

Irish Standard I.S. EN 60512-20-1:2010

Connectors for electronic equipment -Tests and measurements -- Part 20-1: Fire hazard tests - Test 20a: Flammability, needle-flame (IEC 60512 -20-1:2010 (EQV))

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# EUROPEAN STANDARD

# EN 60512-20-1

# NORME EUROPÉENNE EUROPÄISCHE NORM

July 2010

ICS 31.220.01

English version

## Connectors for electronic equipment -Tests and measurements -Part 20-1: Fire hazard tests -Test 20a: Flammability, needle-flame (IEC 60512-20-1:2010)

Connecteurs pour équipements électroniques -Essais et mesures -Partie 20-1: Essais relatifs aux risques du feu -Essai 20a: Inflammabilité, brûleur-aiguille (CEI 60512-20-1:2010) Steckverbinder für elektronische Einrichtungen -Mess- und Prüfverfahren -Teil 20-1: Prüfungen auf Feuersicherheit -Prüfung 20a: Brennbarkeit, Nadelflamme (IEC 60512-20-1:2010)

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# CENELEC

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

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#### Foreword

The text of document 48B/2160/FDIS, future edition 1 of IEC 60512-20-1, prepared by SC 48B, Connectors, of IEC TC 48, Electromechanical components and mechanical structures for electronic equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60512-20-1 on 2010-07-01.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

<ul> <li>latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement</li> </ul>	(dop)	2011-04-01
<ul> <li>latest date by which the national standards conflicting with the EN have to be withdrawn</li> </ul>	(dow)	2013-07-01
Annex ZA has been added by CENELEC.		

**Endorsement notice** 

The text of the International Standard IEC 60512-20-1:2010 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

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.

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

Publication	Year	<u>Title</u>	<u>EN/HD</u>	Year
IEC 60695-11-5	-	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	-

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#### INTERNATIONAL ELECTROTECHNICAL COMMISSION

### CONNECTORS FOR ELECTRONIC EQUIPMENT – TESTS AND MEASUREMENTS –

## Part 20-1: Fire hazard tests – Test 20a: Flammability, needle-flame

### 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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International Standard IEC 60512-20-1 has been prepared by subcommittee 48B: Connectors, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

This standard cancels and replaces Test 20a of IEC 60512-9, issued in 1992. The structure of IEC 60512 series is explained in IEC 60512-1-100.

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

FDIS	Report on voting	
48B/2160/FDIS	48B/2195/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.

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

A list of all parts of the IEC 60512 series, under the general title *Connectors for electronic equipment – Tests and measurements*, can be found on the IEC website.

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

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