IEC 60512-8-3

Edition 2.0 2018-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Connectors for electrical and electronic equipment – Tests and measurements – Part 8-3: Static load tests (fixed connectors) – Test 8c: Robustness of actuating lever

Connecteurs pour équipements électriques et électroniques – Essais et mesures – Partie 8-3: Essais de charge statique (embases) – Essai 8c: Robustesse de l'ergot d'activation

IEC 60512-8-3:2018-01(en-fr)

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CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT – TESTS AND MEASUREMENTS –

Part 8-3: Static load tests (fixed connectors) – Test 8c: Robustness of actuating lever

FOREWORD

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International Standard IEC 60512-8-3 has been prepared by subcommittee 48B: Electrical connectors, of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment.

This second edition cancels and replaces the first edition published in 2011. This edition constitutes a technical revision.

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

a) This edition reflects IEC 60512-1-101, Blank detail specification.
b) Subclause 4.2 (Preparation of specimen) is improved.

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

FDIS	Report on voting
48B/2615/FDIS	48B/2622/RVD

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.

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

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- withdrawn,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.

CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT – TESTS AND MEASUREMENTS –

Part 8-3: Static load tests (fixed connectors) – Test 8c: Robustness of actuating lever

1 Scope

This part of IEC 60512, when required by the detail (product) specification, is used for testing connectors within the scope of IEC technical committee 48. It may also be used for similar devices, when specified in a detail (product) specification.

The object of this document is to detail a standard test method to assess the robustness of the actuating lever of a connector mating or release mechanism.

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.

IEC 60512-1, *Connectors for electrical and electronic equipment – Tests and measurements – Part 1: General*

IEC 60512-1-1, *Connectors for electrical and electronic equipment – Tests and measurements – Part 1-1: General Examination – Test 1a: Visual examination*

3 Terms and definitions

For the purposes of this document, the terms and definitions from IEC 60512-1 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

4 Preparations

4.1 Test equipment

A suitable test device and appropriate fixture shall be used.

4.2 Preparation of specimen

A specimen of connector or similar device shall be equipped with a mating/release mechanism (latching/unlatching) including an actuating lever.

The number of specimens to prepare shall be as specified in the detail (product) specification