

BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

Thermal-Links – Requirements and Application Guide

(ICS 29.120.50)

Fuses Sectional Committee, ETD 39

Last date for Comments : 22 Jan 2024

NATIONAL FOREWORD (Formal clauses will be added later)

This Indian Standard which is identical with IEC 60691:2023 ‘Thermal-Links – Requirements and Application Guide’ issued by the International Electrotechnical Commission (IEC) is proposed to be adopted by the Bureau of Indian Standards on the recommendation of the Fuses Sectional Committee and approval of the Electrotechnical Division Council.

This standard was initially published in 1993 and subsequently revised based on IEC 60691:2015. The second revision of this standard has been undertaken to align it with the latest version of IEC.

The text of the IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appears referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to International Standards for which Indian Standards also exists. The corresponding Indian Standards, which are to be substituted, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
IEC 60065:2014, Audio, video and similar electronic apparatus – Safety requirements	IS 616 : 2017, Audio, video and similar electronic apparatus - Safety requirements	Identical
IEC 60112:2020, Method for the determination of the proof and the comparative tracking indices of solid insulating materials	IS 2824: 2007 Method for the determination of the proof and the comparative tracking indices of solid insulating materials	Identical With IEC 60112 : 2003
IEC 60127-2:2014, Miniature fuses – Part 2: Cartridge fuse-links	Doc ETD 39 (24475) , Miniature Fuses – Part 2: Cartridge Fuse-Links	Identical with IEC 60127-2:2014+AMD1:2020
IEC 60216-5:2008, Electrical	IS 8504 (Part 6) : 2012 Electrical	Identical with IEC 60216-5 :

insulating materials – Thermal endurance properties – Part 5: Determination of relative thermal endurance index (RTE) of an insulating material	insulating materials - Thermal endurance properties: Part 6 determination of relative thermal endurance index (RTE) of an insulating material	2008
IEC 60664-1:2020, Insulation coordination for equipment within low-voltage supply systems – Part 1: Principles, requirements and tests	IS 15382 (Part 1) : 2022, Insulation Coordination for Equipment Within Low-Voltage Systems – Part 1: Principles, Requirements and Tests	Identical with IEC 60664-1 : 2020
IEC 60695-2-12:2021, Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials	IS/IEC 60695-2-12 : 2021, Fire Hazard Testing Part 2: Glowing/hot-wire based test methods Section 12: Glow-wire flammability index GWFI Test method for materials	Identical
IEC 60695-2-13:2021, Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials	IS/IEC 60695-2-13 : 2021, Fire Hazard Testing Part 2 GlowingHot wire based test methods Section 13 Glow-wire ignition temperature GWIT test method for materials	Identical
IEC 60695-10-2:2014, Fire hazard testing – Part 10-2: Abnormal heat – Ball pressure test method	IS/IEC 60695-10-2: 2014 - Fire Hazard Testing Part 10 Abnormal Heat Section 2 Ball pressure test method	Identical
IEC 60695-11-10:2013, Fire hazard testing – Part 11-10: Test flames – 50 W horizontal and vertical flame test methods	IS/IEC 60695 (Part 11/Sec 10) 2013, Fire hazard testing: Part 11 test flames : Sec 10 50 w horizontal and vertical flame test methods	Identical
IEC 60730-1:2013, Automatic electrical controls – Part 1: General requirements IEC 60730-1:2013/AMD1:2015 IEC 60730-1:2013/AMD2:2020	IS/IEC 60730-1 : 1999 - Automatic electrical controls for household and similar use : part 1 General Requirements	Identical with IEC 60730-1 : 1999

The technical committee has reviewed the provisions of the following international standards referred in this adopted standard and decided that they are acceptable for use in conjunction with this standard.

<i>International Standard</i>	<i>Title</i>
IEC 61210:2010	Connecting devices – Flat quick-connect terminations for electrical copper conductors – Safety requirements

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test, shall be rounded off in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*Second Revision*)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Note: The technical content of their document has not been enclosed as there are identical with the corresponding IEC standards for details, please refer the corresponding IEC 60691:2023 or kindly contact:

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