

BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

Miniature Fuses – Part 6: Fuse-Holders for Miniature Fuse-Links

(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 60127-6:2023 ‘Miniature Fuses – Part 6: Fuse-Holders for Miniature Fuse-Links’ 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.

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 60050-441, International Electrotechnical Vocabulary (IEV) – Part 441: Switchgear, controlgear and fuses	IS 1885 (Part 17) : 1979, Electrotechnical vocabulary: Part 17 switchgear and control gear	Identical with IEC 60050-441 : 1974
IEC 60068-1:2013, Environmental testing – Part 1: General and guidance	IS/IEC 60068-1 : 2013, Environmental Testing Part 1 General and Guidance	Identical
IEC 60068-2-6:2007, Environmental testing – Part 2-6: Tests – Test Fc: Vibration (sinusoidal)	IS/IEC 60068-2-6 : 2007, Environmental Testing Part 2 Tests Section 6 Test Fc: Vibration sinusoidal	Identical
IEC 60068-2-20:2021, Environmental testing – Part 2-20: Tests – Tests Ta and Tb: Test	IS/IEC 60068-2-20 : 2021, Environmental testing Part 2 Tests Section 20 Tests Ta and Tb: Test	Identical

methods for solderability and resistance to soldering heat of devices with leads	methods for solderability and resistance to soldering heat of devices with leads	
IEC 60068-2-21, Environmental testing – Part 2-21: Tests – Test U: Robustness of terminations and integral mounting devices	IS 9000 (Part 19 / Sec 1 to 5) : 1986, Basic Environmental Testing Procedures for Electronic and Electrical Items Part 19 Test U : Robustness of Terminations and Integral Mounting Devices	Identical with IEC 60068-2-21:1983
IEC 60068-2-27:2008, Environmental testing – Part 2-27: Tests – Test Ea and guidance: Shock	IS 9000 (Part 7/Sec 1) : 2018 Basic Environmental Testing Procedures for Electronic and Electrical Items Part 7 Impact Test Section 1 Shock (Test Ea)	Identical with IEC 60068-2-27 : 2008
IEC 60068-2-45, Basic environmental testing procedures – Part 2-45: Tests – Test XA and guidance: Immersion in cleaning solvents	IS/IEC 60068-2-45 : 1980, Basic environmental testing procedures Part 2 Tests Test XA and guidance Sec 45 Immersion in cleaning solvents	Identical
IEC 60068-2-47, Environmental testing – Part 2-47: Test – Mounting of specimens for vibration, impact and similar dynamic tests	IS/IEC 60068-2-47 : 2005, Environmental Testing Part 2 Tests Section 47 Mounting of specimens for vibration impact and similar dynamic tests	Identical
IEC 60068-2-75, Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests	IS 9000 (Part 7/Sec 7): 2020 - Environmental Testing Part 7 Tests Section 7 Test Eh: Hammer tests (First Revision)	Identical with IEC 60068-2-75: 2014
IEC 60127-1:2006, Miniature fuses – Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links IEC 60127-1:2006/AMD1:2011 IEC 60127-1:2006/AMD2:2015	ETD 39 (24474) , Miniature fuses: Part 6 fuse holders for miniature cartridge fuse links	Identical with IEC 60127-6:2023
IEC 60127-2, Miniature fuses – Part 2: Cartridge fuse-links	IS/IEC 60127-2 : 2003, Miniature fuses: Part 2 cartridge fuse. - Links	Identical
IEC 60127-3:2015, Miniature fuses – Part 3: Sub-miniature fuse-links	ETD 39 (24476) , Miniature fuses – Part 3: Sub-miniature fuse-links	Identical with IEC 60127-3:2015+AMD1:2020
IEC 60216-1, Electrical insulating materials – Thermal endurance properties – Part 1: Ageing procedures and evaluation of test results	IS 8504 (Part 1) : 2012, Electrical insulating materials - Thermal endurance properties: Part 1 ageing procedures and evaluation of test results	Identical with IEC 60216-1:2001
IEC 60529:1989, Degrees of protection provided by enclosures (IP Code)	IS/IEC 60529 : 2001 Degrees of protection provided by enclosures (IP Code)	Identical with IEC 60529 : 1989 + Amd-1:1999
IEC 60664-1:2020, Insulation coordination for equipment within low-voltage supply systems – Part 1:	IS 15382 (Part 1) : 2022, Insulation Coordination for Equipment Within Low-Voltage Systems – Part 1:	Identical with IEC 60664-1 : 2020

Principles, requirements and tests	Principles, Requirements and Tests	
IEC 60695-4:2012, Fire hazard testing – Part 4: Terminology concerning fire tests for electrotechnical products	IS 1885 (Part 84) : 2022, Electrotechnical Vocabulary Part 84 Terminology Concerning Fire Tests for Electrotechnical Products	Identical with IEC 60695-4:2021
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: Glowinghot-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 60695-11-5:2016, Fire hazard testing – Part 11-5: Test flames – Needle-flame test method – Apparatus, confirmatory test arrangement and guidance	IS/IEC 60695-11-5 : 2016, Fire Hazard Testing Part 11 Test Flames Section 5 Needle - Flame test method - Apparatus, confirmatory test arrangement and guidance	Identical

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 60050-581	International Electrotechnical Vocabulary (IEV) – Part 581: Electromechanical components for electronic equipment
IEC 60999-1	Connecting devices – Electrical copper conductors – Safety requirements for screw-type and screwless-type clamping units – Part 1: General requirements and particular requirements for clamping units for conductors from 0,2 mm ² up to 35 mm ² (included)
IEC 61210	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 60127-6:2023 or kindly contact:

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