**IS/IEC 60127-7: 2015**

***भारतीय मानक Indian Standards***

**लघु फ़्यूज़**

**भाग 7 विशेष अनुप्रयोगों के लिए लघु**

**फ़्यूज़-लिंक**

**Miniature Fuses**

**Part 7 Miniature Fuse-Links for Special Applications**

ICS 29.120.50

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भारतीय मानक ब्यूरो

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**August 2024 Price Group x**

Fuses Sectional Committee, ETD 39

NATIONAL FOREWORD

This Indian Standard (Part 7) which is identical with IEC 60127-7:2015 ‘Miniature fuses - Part 7: Miniature fuse-links for special applications’ issued by the International Electrotechnical Commission (IEC) was adopted by the Bureau of Indian Standards on the recommendation of the Fuses Sectional Committee and approval of the Electrotechnical Division Council.

This Indian Standard is published in several parts. The other parts in this series are:

Part 1 Definitions for Miniature Fuses and General Requirements for Miniature Fuse-Links

Part 2 Cartridge fuse-links

Part 3 Sub-Miniature Fuse-Links

Part 4 Universal Modular Fuse - Links (Umf) - Through - Hole and Surface Mount Types

Part 5 Quality Assessment of Miniature Fuse-Links - Guidelines

Part 6 Fuse-Holders for Miniature Fuse-Links

Part 8 Fuse Resistors with Particular Overcurrent Protection

Part 10 User Guide for Miniature Fuses

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:

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| ***International Standard*** | ***Corresponding Indian Standard*** | ***Degree of Equivalence*** |
| IEC 60068-2-21:2006,  Environmental testing - Part 2­21: 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 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 1: Definitions for miniature fuses and general requirements for miniature fuse-links | Identical with IEC 60127­  1:2023 |
| IEC 60127-4:2005, Miniature fuses - Part 4: Universal modular fuse-links (UMF) - Through- hole and surface mount types IEC 60127-4:2005/AMD1:2008 IEC 60127-4:2005/AMD2:2012 | IS/IEC 60127-4 : 2005, Miniature fuses: Part 4 universal modular fuse - Links (Umf) - Through - Hole and surface mount types | Identical |
| IEC 60127-6:2014, Miniature fuses - Part 6: Fuse-holders for miniature fuse-links | Doc ETD 39 (24478), Miniature fuses: Part 6 Fuse-Holders for Miniature Fuse-Links | Identical with IEC 60127­  6:2023 |
| IEC 60664-1:2007, Insulation coordination for equipment within low-voltage 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 60695-2-12:2010, Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials IEC 60695- 2- 2:2010/AMD1:2014 | 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 with 60695-2­-12:2021 |
| IEC 60695-2-13:2010, Fire hazard testing - Part 2-13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials IEC 60695-2- 3:2010/AMD1:2014 | IS/IEC 60695-2-13 :2021, Fire  Hazard Testing Part 2 Glowing Hot/wire based test methods Section 13 Glow-wire ignition temperature (GWIT) test method for materials | Identical with 60695-2­  13:2021 |
| 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 60695-4:2021 |
| ISO 3:1973, Preferred numbers - Series of preferred numbers | IS 1076 (Part 1) : 1985, Preferred numbers: Part 1 series of preferred numbers | Identical with ISO 3 : 1973 |

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.

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| ***International Standard*** | ***Title*** |
| IEC 61249-2-7:2002 | Materials for printed boards and other interconnecting structures - Part 2-7: Reinforced base materials clad and unclad - Epoxide woven E-glass laminated sheet of defined flammability (vertical burning test), copper-clad |

Only English language text has been retained while adopting it in this Indian Standard, and as such the page numbers given here are not the same as in the International Standard.

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.