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BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

Draft Indian Standard

Miniature fuses – Part 8: Fuse resistors with particular overcurrent protection

(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 60127-8:2018 'Miniature fuses – Part 8: Fuse resistors with particular overcurrent protection' 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:

International Standard	***Corresponding Indian Standard***	***Degree of Equivalence***
IEC 60063:2015, Preferred number series for resistors and capacitors	IS 824 : 2021, Preferred number series for Resistors and Capacitors	Identical
IEC 60068-2-21:2006, 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 60115-1:2008, Fixed resistors for use in electronic equipment – Part 1: Generic specification	IS/IEC 60115-1 : 2020, Fixed resistors for use in electronic equipment Part 1 Generic specification	Identical with IEC 60115-1:2020

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	**Doc 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 60194:2015, Printed board design, manufacture and assembly – Terms and definitions	IS/IEC 60194 : 2015, Printed Board Design Manufacture and Assembly-Terms and Definitions	Identical
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	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	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 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 IEC 60695-4:2021

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.

International Standard	***Title***
IEC 60115-4-101:1995	Fixed resistors for use in electronic equipment – Part 4: Detail specification: Fixed power wirewound resistors with solderable axial wire leads – Stability class 5%. Assessment level E
IEC 60115-4-102:1995	Fixed resistors for use in electronic equipment – Part 4: Detail specification: Fixed power wirewound resistors with solderable axial wire leads – Stability class 1 % – Assessment level E
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

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 60127-8:2018 or kindly contact:

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