

(PREVIEW)

Indian Standard

**TNTERNAL FUSES AND TNTERNAL
OVERPRESSURE DISCONNECTORS FOR
CAPACITORS FOR INDUCTIVE HEAT
GENERATING PLANTS**

1 SCOPE

1.1 This standard covers the requirements, tests and the guidance for coordination of internal fuses used to protect capacitors for inductive heat generating plants operating at frequencies between 40 Hz and 60 Hz in accordance with IS 9251 : 1979.

1.2 This standard also applies to internal overpressure disconnectors used to protect self-healing metallized dielectric capacitors.

1.3 This standard does not apply to fuses and disconnectors for which service conditions, in general are incompatible with the requirements of this standard, unless otherwise agreed between the manufacturer and the purchaser.

1.4 The guidance for coordination of fuse and disconnector protection is given in Annex A.

2 REFERENCES

2.1 The Indian Standards listed in Annex B are necessary adjuncts to this standard.

ANNEX B

(Clause 2.1)

LIST OF REFERRED INDIAN STANDARDS

IS No.	Title
IS I885 (Part 42) : 1985	Electrotechnical vocabulary: Part 42 Power capacitors (<i>first revision</i>)
IS 9224 (Part 1) : 1979	Specification for low voltage fuses Part 1 General requirements
(Part 2) : 1979	Part 2 Supplementary requirements for fuses for industrial applications (supersding IS 2208).
(Part 4) : 1980	Part 4 Supplementary requirements for fuse-links for the protection of semiconductor devices
IS 9251 : 1979	Specification for capacitors for inductive heat generating plants operating at frequencies between 40 and 24 000 Hz
IS 9385 (Part 1) : 1979	Specification for high voltage fuses Part 1 Current limiting fuses

(Part 2): 1980
(Part 3) : 1980
(Part 4): 1983
(Part 5): 1983
IS 9926 : 1981

Part 2 Expulsion and similar fuses

Part 3 Application guide for high voltage fuses

Part 4 Determination of short - circuit power factor for testing of high voltage fuses

Part 5 Types and dimensions of fuse-links for current – limiting fuses

Specification for fuse-wire used in rewirable type electric fuses up to 650 volts