

(PREVIEW)

## *Indian Standard*

# SPECIFICATION FOR HIGH-VOLTAGE FUSES FOR EXTERNAL PROTECTION OF SHUNT POWER CAPACITORS

### 1. SCOPE

**1.1** This standard applies to external fuses used with high-voltage power capacitors (conforming to IS : 2834-1964\* ) for use on alternating current systems of 50 Hz.

**1.2** Fuses according to this standard are intended to clear either faults inside a capacitor unit to permit continued operation of the remaining parts of the bank in which the unit is connected ( unit fuses ) or faults on the whole capacitor bank to isolate the bank from the system ( line fuses).

**1.3** These fuses are not a substitute for a mechanical switching device, but when forming a part of a mechanical switching device such as a fuse-switch or a fuse-disconnector, they shall comply with this standard.

**1.4** When fuses are used for the external protection of a capacitor unit or a capacitor bank (line fuses), their voltages and breaking ratings shall be adequate for the system.

**1.5** Fuses according to this standard shall comply with IS : 9385 (Part I )-1979† and IS : 9385 ( Part II)-1979† except those which are specifically excluded by this standard.

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\*Specification for shunt capacitors for power systems.

†Specification for high voltage fuses:

Part I Current limiting fuses.

Part II Expulsion and similar fuses.