

(PREVIEW)

Indian Standard

SHUNT CAPACITORS FOR a.c. POWER SYSTEMS HAVING A RATED VOLTAGE ABOVE 1 000 V

PART 3 PROTECTION OF SHUNT CAPACITORS AND SHUNT CAPACITOR BANKS

1.1 Scope

This technical report gives guidance on the protection of banks with unbalance relaying and other devices. It applies to capacitors according to IEC 871-1, and its amendment 1.

1.2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this technical report. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this technical report are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 99-4: 1991, Surge arresters – Part 4: Metal-oxide surge arresters without gaps for a.c. Systems

IEC 185:1987, Current transformers Amendment No. 1 (1990)

IEC 186:1987, Voltage transformers Amendment No. 1 (1988)

IEC 549:1976, High-voltage fuses for the external protection of shunt power capacitors

IEC 593: 1977, Internal fuses and internal overpressure disconnectors for shunt capacitors Amendment No. 2 (1986)

IEC 871-1: 1987, Shunt capacitors for a.c. power systems having a rated voltage above 1000 V— Part 1: General – Performance, testing and rating – Safety requirements – Guide for installation and operation Amendment 1 (1991)