

(PREVIEW)

Indian Standard

SURGE ARRESTERS

PART 5 SELECTION AND APPLICATION RECOMMENDATIONS

1.1 Scope

This part of IEC 99 provides recommendations for the selection and application of surge arresters to be used in three-phase systems with nominal voltages above 1 kV. It applies to non-linear resistor type gapped surge arresters as defined in IEC 99-1 and to gapless metal-oxide surge arresters as defined in IEC 99-4.

1.2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this International Standard 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 71-1:1993, Insulation co-ordination - Part 1: Definitions, principles and rules

IEC 71-2:1976, Insulation co-ordination - Part 2: Application guide

NOTE - The third edition of this standard is presently under revision.

IEC 99-1:1991, Surge arresters - Part 1: Non-linear resistor type gapped surge arresters for a.c. systems

IEC 99-3:1990, Surge arresters - Part 3: Artificial pollution testing of surge arresters

NOTE - This Technical Report applies to gapped surge arresters according to IEC 99-1

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

IEC 507: 1991, Artificial pollution tests on high-voltage insulators to be used on a.c. Systems

IEC 815:1986, Guide for the selection of insulators in respect of polluted conditions