

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

**High-voltage switchgear and controlgear –
Part 109: Alternating-current series capacitor by-pass switches**

**Appareillage à haute tension –
Partie 109: Interrupteurs de contournement pour condensateurs série à courant alternatif**



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FOREWORD

This amendment has been prepared by subcommittee 17A: High-voltage switchgear and controlgear, of IEC technical committee 17: Switchgear and controlgear.

The text of this amendment is based on the following documents:

FDIS	Report on voting
17A/1038/FDIS	17A/1043/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

3.7.106 peak value of transient by-pass current

Replace the existing term, definition and notes as follows:

by-pass making current

peak value of the by-pass current in a pole of a by-pass switch during the transient period following the initiation of current during a by-passing operation. This value is the maximum instantaneous value of the sum of the capacitor bank discharge current component and the power-frequency current component. In case of system faults, the power-frequency fault current is equal to the maximum varistor coordinating current or for schemes without varistor, the actual maximum power-frequency fault current at the particular location

NOTE 1 The peak value may differ from one pole to another and from one operation to another as it depends on the instantaneous capacitor voltage prior to by-passing.

NOTE 2 Where, for a three-phase circuit, a single value of peak value of by-pass making current is referred to, this is, unless otherwise stated, the highest value in any phase.

NOTE 3 The maximum power-frequency fault current at a particular location or the maximum varistor coordinating current is generally much lower than the rated peak withstand current of by-pass switch.

3.9 Index of definitions

Add, under "B", the following new line:

By-pass making current 3.7.106

Delete, under "P", the existing line "peak value of the transient by-pass current".