



Corrigendum to HD 637 S1:1999

English version

Annex S

Add:

A-DEVIATIONS for GREECE

The national deviations for Greece (A-deviations) correspond to the following regulations:

Ministerial Decree "Regulations for interior electrical installations" published in Government Gazette, ΦΕΚ/Β/1525/31-12-1973

Clause

Deviation

9.4.3

In case of public MV/LV distribution substations, where a protective multiple earthing system is applied, the MV and LV neutral earthing systems can be connected when the combined earthing resistance does not exceed 1 ohm. Combined earthing resistance up to 2 ohms can be accepted in case of transformers mounted on wooden poles, when a short-circuit of MV to LV before the MV protective fuses is impossible to happen.

Protective multiple earthing of the LV system is applied, when the following basic requirements are fulfilled:

- a) the neutral conductor is sized in relation to the size of the phase conductors.
 - b) the LV neutral is earthed at certain points, in addition to the LV neutral earth at the substation, along the distribution main, at the end of the branches and at the consumers' installations;
 - c) metalwork in the consumer's installation is bonded to the neutral conductor to create an equipotential zone;
 - d) the overall resistance to earth of the neutral conductor is such that the fuses or circuit breaker at the MV side of the transformer operate in the event of short circuit in the transformer and in any case does not exceed 10 ohms;
 - e) the earth resistance of the metalwork of the substation does not exceed 40 ohms.
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June 2005