



CIG-OSM/IN DECISION

Standard: EN 61008-1:1994 EN 61008-1:2004	Sub clause: 9.21.1.4	Sheet N°: OSM/IN 207 Page: 1(1)
Subject: Clarification of the text	Key words: - pulsating direct current - smooth direct current	Meeting N°: 17 Item: 4.1.2
<p>Question: Which is the correct interpretation of this subclause?</p> <p>Decision: The RCCB shall be tested according to figure 4c with a half-wave rectified residual current (current delay angle $\alpha = 0^\circ$) in presence of a smooth direct current of 0,006 A. Each pole of the RCCB is tested in turn, twice at each of positions I and II. The half-wave current I_1, starting from zero, being steadily increased at an approximate rate of $1,4 I_{\Delta n} / 30$ amperes per second for RCCBs with $I_{\Delta n} > 0,01$ A and $2 I_{\Delta n} / 30$ amperes per second for RCCBs with $I_{\Delta n} \leq 0,01$ A, the device shall trip before this half-wave current I_1 reaches a value not exceeding $1,4 I_{\Delta n}$ or $2 I_{\Delta n}$ respectively.</p> <p>(Examples: 1) For RCCB's with $I_{\Delta n} = 10$ mA, I_1 shall be ≤ 20 mA; 2) For RCCB's with $I_{\Delta n} = 30$ mA, I_1 shall be ≤ 42 mA.)</p> <p>Explanatory notes: This OSM/IN decision was based on a proposal for a new text relating 9.21.1.4 of EN 61008-1:2004, contained in document 23E_WG2_155, agreed by the IEC/SC23E/WG2 ad-Hoc Group meeting held on 22nd, 23rd and 24th May 2007 which is in charge for the revision of IEC 61008 and IEC 61009 standards. This OSM/IN decision remains in force until the new edition of EN 61008-1 will be published.</p>		