

OSM/IN DECISION

Standard: EN 60898-1:2003 + A1:2004 + A11:2005 + A12:2008	Sub clause: 9.7.6.3	Sheet N°: OSM/IN 261
Subject: Test voltage applied during the verification of leakage currents across open contacts	Key words: Leakage current	Meeting N°: 20 (2010) Item: 6.3
<p>Question: The requirement contained in the text of sub-clause 9.7.6.3 prescribes that each pole of the circuit-breaker is supplied at a voltage equal to 1,1 times its rated operational voltage. It is not clear if the test voltage shall be considered as “<i>the rated operational voltage of the pole</i>” (it means the voltage to which each pole is submitted in the supply) or “<i>the rated operational voltage of the CB</i>”.</p> <p>Decision:</p> <ul style="list-style-type: none"> ○ The rated operational voltage written in the standard shall be considered as the rated operational voltage of the CB; ○ The value of the test voltage applied to each pole shall be reported in the Test Report; ○ The same interpretation is applicable for the verification of leakage currents across open contacts prescribed also in EN 61008-1, EN 61009-1 and EN 60947-1 standards; ○ Example: CB 1P having $U_n = 230/400$ V: the pole of the circuit-breaker is supplied at a test voltage $U_{test} = 1,1 * 400 = 440$ V <p>Explanatory notes: -</p>		