

CTL DECISION SHEET

Standard(s): IEC 60065 :2001	Sub clause(s): 2.8.4, 8.2 & 14.5.2.4	DSH- 632
Subject: Access to live parts on fuse-holder	Key words: BY HAND Live parts Fuse-holder	Approved by the 45th CTL Plenary Meeting 2008
<p>Background:</p> <p>The combined appliance inlet / fuse-holder / voltage selector illustrated on page 2 has certification to IEC 60320 and is being used in audio equipment in the scope of IEC 60065. As can be seen from the photographs, the fuse carrier cannot be removed before first pulling out the appliance coupler. However, when the fuse carrier is removed there is direct access to the live fuse clip using the standard finger.</p> <p>Question:</p> <p>Question 1- Should the tests for access to live parts be conducted assuming that the appliance coupler could subsequently be re-inserted?</p> <p>(c/f “Inadvertent reactivation” of safety interlock – clause 14.7)</p> <p>Question 2- If the answer to question 1 is “yes”, how do we determine whether or not the fuse carrier can be removed BY HAND?</p> <p>Decision:</p> <p>The answer to Question 1 is “yes”. The answer to Question 2:</p> <p>Use the following tests as appropriate: a) 20N for 10s as per clause 9.1.7 b) using the test hook, b) 50N for 10s as per clause 8.14,</p> <p>Explanatory Notes:</p> <p>1. The Operational Staff Meeting for installation material had a similar discussion: Here is an extract from the OSM/IN(ES/AENOR) 1/03 meeting minutes:</p> <p style="background-color: #FFDAB9; padding: 5px;">6.4 Protection against electric shock of Category PC2 fuse holder integrated in appliance inlet</p> <p style="padding-left: 40px;">EN 60127-6:1994 + A1:1996, subclause 9.2 There are certain constructions of the combination of an appliance inlet and a fuse-holder where the fuse-carrier can be removed by hand after the connector has been removed. It is possible to insert the connector again into the appliance inlet without the fuse-carrier in its place. After that the live part of the fuse-holder can be touched with the test finger.</p> <p style="background-color: #FFDAB9; padding: 5px;">The meeting agreed on not accepting such construction and to consult the relevant committees: CLC/TC23C and CLC/Rs to IEC/SC23G.</p> <p>Attention is also drawn to the fact that there is a test using the test-finger-nail in IEC 60335-1 Sub-clause 22.11 to determine removal by hand.</p>		

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