

COLLECTION OF CIG-OSM/IN DECISIONS

Standard: EN 60 730-1:1995	Sub clause: 11.10.2 H27.5	Sheet no. OSM/IN 131 Page 1(2)
Subject: In-line cord controls	Key words: In-line cord controls	Meeting no. 9 Item 6.14
Question:	Verification of the protection against overloading for in-line cord controls	
Decision:	<p>Clause 11.10.2 Add: If in-line cord controls provided with a plug and a socket-outlet where the plug can be connected and socket outlet, where the plug can be connected to a socket-outlet rated for a higher load current than the control, the control shall be provided with an incorporated fuse or a protective device to limit the current to the control's rating. The testing of the protective function is done in the sequence of tests according to Clause 27.5. The plug and a socket-outlet part of the control shall comply with the appropriate standard plug and a socket-outlet system. The control plug shall comply with this standard.</p> <p>Clause 27 Add: Clause 27.5 See annex H</p> <p>Annex H Add: H27.5 The following overload tests are carried out on in-line cord controls as indicated 11.10.2 and provided with a plug and a socket-outlet:</p> <ul style="list-style-type: none"> - Controls as specified without protective devices and without incorporated fuses are loaded for 1 h with the conventional tripping current for the fuse which in the installation will protect the control. - Controls protected by protective devices (including fuses) are loaded in such a way that the current through the control is 0,95 times the current with which the protective device releases after 1 h. The temperature rise is measured after a steady state has been reached or after 4 h, whichever is the shorter time. 	

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<p>Decision (cont.) :</p> <ul style="list-style-type: none"> - Controls protected by incorporated fuses complying with EN 60127 shall have those fuses replaced by link of negligible impedance and shall be loaded in such a manner that the current through the links shall be 2,1 times the current of the fuse. <p>The temperature rise is measured after the electronic switch has been loaded for 30 min.</p> <ul style="list-style-type: none"> - - Controls protected both by incorporated fuses and protective devices are loaded either as described above with incorporated fuses or with another protective device, choosing the requiring lower load. - Controls protected by protective devices which will short-circuit only in case of overload shall be tested both as controls with protective devices and as controls without protective devices. <p>The temperatures measured shall not surpass those indicated in table 14.</p> <p>1) This interpretation is taken from CENELEC TC72(Secretariat) 72G/INF interpretation Nr. 07/01/17/16.3.1 according to the decision taken in the seventh OSM/IN Meeting In Copenhagen(1997). See minutes of mentioned Meeting document OSM/IN(ES/AENOR)20/97 Rev. 1, item 4 (Matters pending from Offenbach Meeting (1996), item 6.5). See OSM/IN 133.</p>		
<p>Explanatory notes:</p>		