



## CIG-OSM/IN DECISION

<b>Standard:</b> EN 60669-1:1999 + A1:2002	<b>Sub clause:</b> 24	<b>Sheet N°:</b> OSM/IN 209 <b>Page:</b> 1(3)
<b>Subject:</b> Resistance of insulating material to abnormal heat and to fire	<b>Key words:</b> <ul style="list-style-type: none"> <li>- Glow-wire</li> <li>- Insulating material</li> <li>- Retain current-carrying part</li> </ul>	<b>Meeting N°:</b> 17 <b>Item:</b> 8.3
<p><b>Question:</b></p> <p>According to EN 60669-1:1999 + A1:2002, Sub-clause 24.1, “parts made of insulating material necessary to retain current-carrying parts and parts of the earthing circuit in position”, shall be submitted to the glow-wire test (IEC 60695-2-1) at a temperature of 850 °C, “with the exception of parts of insulating material needed to retain the earth terminal in position in a box which shall be tested at a temperature of 650 °C”.</p> <p>Furthermore, “parts of insulating material not necessary to retain current-carrying parts and parts of the earthing circuit in position, even though they are in contact with them, and parts of insulating materials necessary to hold in position the earthing terminal in an enclosure”, shall be submitted to the glow-wire test (IEC 60695-2-1) at a temperature of 650 °C.</p> <p>Can the Interpretation Sheet IS 01:2005 to IEC 60998-1:2002 (see ANNEX 1), issued by IEC/SC 23F regarding connecting devices, be accepted for switches?</p> <p><b>Decision:</b> OSM/IN agreed to apply the Interpretation Sheet IS 01:2005 to IEC 60998-1:2002 (an example of application is given in ANNEX 2).</p> <p><b>Explanatory notes:</b> The OSM/IN outcome on the subject has been reported to CLC/TC 23B with letter OSM/IN/TC-Letter/CLC-TC23B-003 and discussed during its 21st plenary meeting held in Graz (AU) on 3rd and 4th July, 2007, under item 13.4 (doc. TC23B/Sec0004/MTG/Graz). CLC/TC 23B agreed with the content of letter OSM/IN/TC-Letter/CLC-TC23B-003. CLC/TC 23B also agreed to apply the same OSM/IN interpretation to all standards published by CLC/TC 23B (TC23B/Sec0168/RM).</p>		



## CIG-OSM/IN DECISION

<b>Standard:</b> EN 60669-1:1999 + A1:2002	<b>Sub clause:</b> 24	<b>Sheet N°:</b> OSM/IN 209 <b>Page:</b> 2(3)
---	---------------------------	--

### ANNEX 1

**IS 01 Interpretation of Clause 18**  
**IEC 60998-1:2002 Second edition**  
**Connecting devices for low-voltage circuits for household and similar purposes –**  
**Part 1: General requirements**

The following interpretation was agreed at the Seoul meeting of IEC/SC 23F held in October 2004.

It is proposed to understand the word "*retain*" in the expression "*to retain current-carrying parts*" as follows:

A current carrying part or a part of the earthing circuit retained by a mechanical means is considered to be retained in position. The use of grease or the like is not considered to be mechanical means.

In case of doubt, to determine whether an insulating material is necessary to retain current carrying parts and parts of the earthing circuit in position, the device is examined without conductors while held in all positions with the insulating material in question removed.

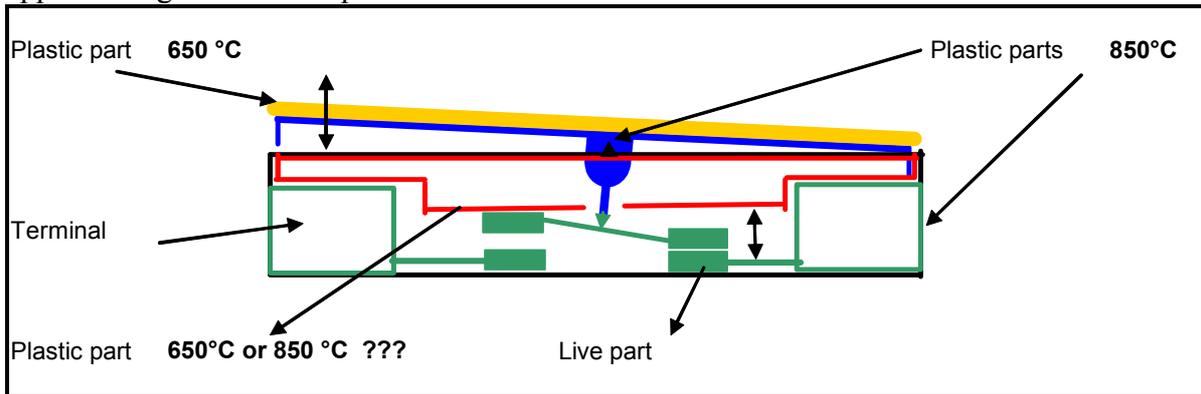


## CIG-OSM/IN DECISION

<b>Standard:</b> EN 60669-1:1999 + A1:2002	<b>Sub clause:</b> 24	<b>Sheet N°:</b> OSM/IN 209
		<b>Page:</b> 3(3)

### ANNEX 2

Application given as example:



According to the Interpretation Sheet IS 01:2005 to IEC 60998-1:2002, the following conditions shall be applied:

