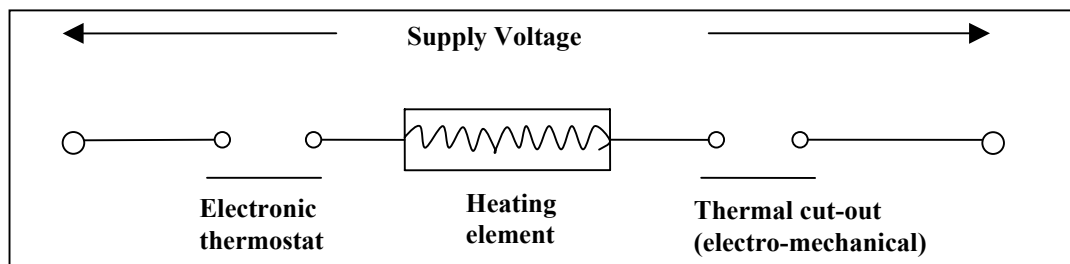


DECISION SHEET

Standard: IEC60335-1:1991, 3 rd Ed.	Sub clause: 19.11.2	Sheet n°: DSH-441A
Subject: Sheathed Heating Elements	Key words: - Abnormal, sheathed element - Protective electronic circuit	Decision taken during the 41 st CTL meeting 2004 and modified at the 42 nd CTL meeting 2005

Question: Some appliances have the following circuit



In Clause 19.11.2, it is stated that, if an electronic circuit operates to ensure compliance with clause 19, the relevant tests of clause 19 should be repeated with a single fault simulated as in a) through f) of cl.19.11.2

In our opinion (VDE), an additional mechanical thermal cut-out is required.

Convenors note:

In clause 19.5, the electronic thermostat will operate to limit the temperature in one configuration. The enquiry asks, if a single fault prevents the thermostat operation, is an additional cut out required to comply with 19.5

Decision:

An additional thermal cut-out is required

Note: This is only applicable to the above mentioned standards and is not applicable to IEC60335-1(4th Ed. with Amendment 1).