

Compliance is checked by inspection and by applying to the CONDUCTIVE CONNECTION of that part of the connector identified above those of the following tests which are applicable:

- the said part shall not come into contact with a flat conductive surface of not less than 100 mm diameter;
- for single-pole connectors, the straight unjointed test finger with the same dimensions as the standard test finger of figure 7 shall not make electrical contact with the said part if applied in the least favourable position against the access openings with a force of 10 N \pm 2 N;
- if able to be plugged into a mains socket, the said part shall be protected from making contact with parts at MAINS VOLTAGE by insulating means providing a CREEPAGE DISTANCE of at least 1,0 mm and a dielectric strength of 1 500 V.

*See rationale for 56.3

56.3DV DR Modification of item (a) by adding 56.3DV.1 and 56.3DV.2:

*See rationale for 56.3DV

56.3DV.1 A connector, plug, pin, or the like that is attached to a PATIENT-CONNECTED LEAD OR CONTACT shall be constructed so that it cannot engage any part on the EQUIPMENT – including a separable cord set – that can introduce a risk of electric shock, fire, or injury to persons.

56.3DV.2 In addition to the above requirement, a connector, plug, pin or the like that is attached to a PATIENT-CONNECTED LEAD OR CONTACT, and that is used with a product that may be used without professional supervision, shall be constructed so that it cannot be inserted or otherwise manipulated to make contact with the LIVE parts of a power receptacle outlet or separable cord set.

56.4 *Connections of capacitors

- Capacitors shall not be connected between LIVE parts and non-PROTECTIVELY EARTHED ACCESSIBLE PARTS where the failure of such a capacitor could result in ACCESSIBLE PARTS becoming LIVE.
- Capacitors connected directly between the MAINS PART and PROTECTIVELY EARTHED ACCESSIBLE METAL PARTS shall comply with the requirements of IEC Publication 384-14 or equivalent.
- The enclosure of capacitors connected to the MAINS PART and providing only BASIC INSULATION shall not be secured directly to non-PROTECTIVELY EARTHED ACCESSIBLE METAL PARTS.
- Capacitors or other spark-suppression devices shall not be connected between the contacts of THERMAL CUT-OUTS.

Compliance is checked by inspection.

*See rationale for 56.4