

OSM/EE DECISION SHEET

| Category | Standard: | Clause | Document no. | |
|---|--|--|---|--|
| ITAV | EN 62368-1:2014 + A11:2017 EN IEC 62368-1:2020 + A11:2020 EN IEC 62368-1:2024 + A11:2024 | B.3.4 Setting of voltage selector F.3.5.3 | OSM-EE 24/4 | |
| Subject | | Key words | Meeting | |
| Setting of voltage selector | | | Helsinki 2024 | |
| Question | | | | |
| <p>In 62368-1 standard voltage selector that can be operated by ordinary person is set to each possible setting with the equipment connected to each of its rated input voltages.</p> <p>The question arises when equipment has fuse(s) with different rating depending on the selected voltage and that is replaceable by ordinary person.</p> <p>For example, T3.15H/250V with 230V setting and T6.3H/250V with 115V setting.</p> <p>How different fuses should be considered in testing?</p> | | | | |
| Decision | | | | |
| The EUT is to be tested with the mains selector in the most unfavourable position(s), and with the most unfavourable fuse(s). This is considered as an abnormal operating condition. | | | | |
| Explanatory notes | | | | |
| Table 1 | | | | |
| Rated voltage 115/230V | Voltage setting 230V Fuse T3.15H/250V | Voltage setting 230V Fuse T6.3H/250V | Voltage setting 115V Fuse T6.3H/250V | Voltage setting 115V Fuse T3.15H/250V |
| Input voltage 230V | Normal | Abnormal Fuse doesn't match voltage setting | Abnormal Input voltage doesn't match voltage setting | Abnormal Input voltage and fuse doesn't match voltage setting |
| Input voltage 115V | Abnormal Input voltage doesn't match voltage setting | Abnormal Input voltage and fuse doesn't match voltage setting | Normal | Abnormal Fuse doesn't match voltage setting |

