

DECISION SHEET

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| <u>Standard(s):</u> IEC 60950-1:2001 IEC 60950-1:2005 | <u>Sub clause(s):</u> 1.5.2, 4.5 | No. | Year |
| | | 737 | 2009 |
| | | Developed by ETF 2 | |
| <u>Subject:</u> Application of IEC 60320-1 type appliance inlet | <u>Key words:</u> - Appliance inlet - Thermal limit - Building-in power supply | Decision approved at the 46th CTL Plenary Meeting 2009 | |
| <p><u>Question:</u></p> <p>Does DSH-548 apply to end products only, or to other equipment, such as built-in power supplies, where the appliance inlet is likely to serve as (PLUGGABLE EQUIPMENT TYPE A) means for connection to the AC MAINS SUPPLY?</p> <p><u>Decision:</u></p> <p>DSH-548 applies to all PLUGGABLE EQUIPMENT TYPE A where the appliance inlet is used as means for connection to an AC MAINS SUPPLY.</p> <p><u>Explanatory Notes:</u></p> <p>DSH-548 discusses the specific case of an adapter. Appliance inlets however are frequently used in built-in power supplies. Built-in equipment requires re-evaluation of several safety aspects after integration into a final product or system. The appliance inlet will often serve in built-in power supplies (e.g. ATX power supplies for PC) as means for connection to an AC MAINS SUPPLY. Therefore, an exceeding of thermal limits for appliance inlets during TYPE TEST of a built-in power supply should not be permitted, as this specific condition would not improve after integration into the final product or system.</p> | | | |