

## CTL DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
IEC 61347-1:2015+A1:2017	10.4	DSH2120A	2023
<b>Category</b>			
LITE			
<b>Subject</b>	<b>Keywords</b>	<b>Developed by</b>	<b>To be approved</b>
No-load output voltage	<ul style="list-style-type: none"> <li>- SELV output</li> <li>- Exceedance of voltage under load</li> <li>- - No-load output voltage</li> </ul>	ETF5	2023 CTL Plenary Meeting
<b>Question</b>			
<p>What is the correct interpretation of the enumeration below the first paragraph of clause 10.4?                      “10.4 Control gears providing SELV may have accessible conductive parts in the SELV circuit; if: the rated output voltage under load does not exceed 25 V r.m.s. or 60 V d.c. ripple free d.c. where the voltage exceeds 25 V r.m.s. or 60 V ripple free d.c., the touch current does not exceed:                      – for a.c.: 0,7 mA (peak);                      – for d.c.: 2,0 mA;                      – the no-load output does not exceed 35 V peak or 60 V ripple free d.c.”                      Is it correct that for accessible conductive parts, it is acceptable for voltage under load to exceed 60 V ripple free d.c., as long as the touch current is not exceeding 2,0 mA, and the no-load voltage is limited to 60 V ripple free d.c.?</p>			
<b>Decision</b>			
<p>No, it is not correct. The voltage under load shall not exceed 60 V ripple-free d.c.                      IEC SC 34C WG 1 has recognized that the present text of Clause 10.4 is unclear and will replace it with IEC 60598-1:2017, Clause 8.2.3 c) through an Amendment:                      “SELV circuits may have exposed current carrying parts under the following conditions.                      – the voltage under load does not exceed 25 V r.m.s. or 60 V ripple-free d.c. and                      – the no-load voltage does not exceed 35 V peak or 60 V ripple-free d.c.                      Where the voltage exceeds 25 V r.m.s. or 60 V d.c., the touch current does not exceed:                      – for a.c.: 0,7 mA (peak);                      – for d.c.: 2,0 mA.”</p>			
<b>Explanatory notes</b>			
<p>This decision updates the old decision sheet DSH2120(2018) to be in line with NEW standard editions.</p>			