

CTL DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
IEC 60335-1:2010 IEC 60335-1:2010/AMD1:2013 IEC 60335-1:2010/AMD2:2016 IEC 60335-1:2020	19.11.4.4	2198	2021
Category			
HOUS			
Subject	Keywords	Developed by	
Testing lower levels for surge in 19.11.4.4	<ul style="list-style-type: none"> - Surge - Lower Levels - Testing 	ETF 1	
Question			
To confirm that testing for clause 19.11.4.4 (Surge) in IEC 60335-1 shall be done with an open circuit voltage of 2 kV (L-L) and 4 kV (L-E) and that no lower test levels or test voltages shall be tested additionally.			
Decision			
<p>The Standard is clear as it is.</p> <p>No lower levels need to be tested, apart from the test at 95% level for surge arresters, which is the voltage where the surge arrester incorporating spark gaps operates. This means that it is intended to do the test at the 2 specific levels as specified in 19.11.4.4 and use the lower value just for surge arresters.</p>			
Explanatory notes			
The decision was confirmed in the second IEC/TC61 meeting held in October to November 2022.			