

OSM/LUM DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
EN 61347-1:2015	18.2	DSH 2033A	2019
Category			
LITE			
Subject	Keywords	Developed by	Approved at
Acceptance of Printed circuit boards (PCB)	<ul style="list-style-type: none"> - Flammability test - PCB - V-0 / V-1 	OSM/LUM-ETF5	2019 ETICS Plenary Meeting
Question			
<p>According to subclause 18.2 of EN 61347-1, the PCB should be tested in accordance with sub-clause 8.7 of EN 61189-2, with an extinguishing time of 30 s. With this test, the material is classified as FV-1, according to this standard and the former standards.</p> <p>Could a PCB classified as V-0 or V-1 according to UL 94, EN 60695-11-10 or EN 60707 be accepted, as an equivalent to comply with clause 18.2 of the control gear standard?</p>			
Decision			
<p>Considering that as required by EN 61347-1 the flammability properties of PCB materials are verified according to EN 61189-2 sub-clause 8.7, a horizontal flame test is required. This test is significantly less onerous than the V-0, V-1 flammability test. PCB materials classified or separately certified V-0, V-1 according to above mentioned standards can be accepted without further testing.</p> <p>The compliance to peel off and pull strength according to EN 61189-2, where relevant, remains applicable.</p>			
Explanatory notes			
