




OSM/LUM DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
EN 60598-1:2015/A1:2018	7	DSH 2050A	2019
Category			
LITE			
Subject	Keywords	Developed by	Approved at
Connection between metal parts of class I luminaire and earthing terminal by special fastener fixed to the cover of the luminaire	<ul style="list-style-type: none"> - Class I luminaire - Provision for earthing - Special fastener - Reliable connection 	OSM/LUM-ETF5	2019 ETICS Plenary Meeting
Question			
<p>In a given construction of a Class I luminaire, the connection to the metal frame is made by a metal fastener. The fastener is a metal part designed with sharp spikes fixed onto the frame-cover of the luminaire. This construction provides a permanent connection between the earthing terminal and the metal cover of the luminaire. The test according to clause 7.2.3 is passed.</p> <p>Is this construction acceptable for permanent and reliable connection between the earthing terminal and the metal cover of the luminaire?</p> <div style="display: flex; justify-content: space-around; align-items: center;">    </div>			
Decision			
<p>Yes, the construction is acceptable.</p> <p>Clause 15 is not applicable as in the earthing terminal there is no permanent current flowing and there is no problem with corrosion covered by other parts of the standard. LUMEX confirmed that section Clauses 4 and 7 are sufficient to check the safety of this connection.</p>			
Explanatory notes			
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