

OSM/LUM DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s):	Tracking No.	Year
EN 60598-1:2015/A1:2018	7.2.1	DSH 0893A	2019
Category:			
LITE			
Subject:	Key words:	Developed by	Approved at
Electrical connections	<ul style="list-style-type: none"> - Mechanical stress - Terminal block - Earth connection 	OSM/LUM-ETF5	2019 ETICS Plenary Meeting
Question			
<p>Sometimes a terminal block for supply connection is directly fitted to a tag of luminaire housing (serving as internal earth connection) without additional fixation of the terminal block. As the rigidity of this tag is mostly sufficient, it seems that the fixation of the terminal block is adequate. However during supply connection unacceptable mechanical stresses to this earth connection can occur. Even in the case where the terminal block is additionally fixed by means of plastic clips, an unbending fixation of the terminal block, in particular when serving the supply terminals, is not always guaranteed. Attention has to be paid also to the question if a terminal block, fixed only to a tag of the luminaire housing, has to be regarded as a loose terminal block.</p>			
Decision			
<p>Fixation of a terminal block, to a tag of the luminaire housing is only allowed if this connection guarantees sufficient reliability. Additional fixation may be required to prevent unacceptable mechanical stresses to the internal earth connection during supply connection.</p>			
Explanatory notes			
