
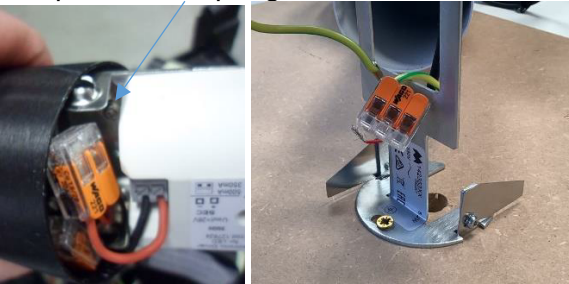
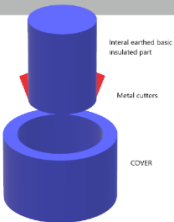


☒ CTL Provisional DECISION SHEET (PDSH)
☐ CTL DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.
IEC 60598-1:2020	7.2	2275
Category		
LITE		
Subject	Keywords	Provided to
Earth connection	Earth connection	ETF 5
Question		
Are the following constructions acceptable ?		
<div></div> <p>The earthing connection for the metal bar which is fixed by screw to the ceiling is made by 2 screw on each side. The force of the screws will make the connection . Can we consider this as permanently and reliable ? Or is an additional connection needed by screws or other means which are more reliable ? For a class I luminaire which is fixed to the ceiling a cover is used to protect the basis insulating parts. This cover is not fixed by screws but by a couple of springs (Min 2) in the first picture the springs scratch into the metal of the cover. On the 2nd picture it doesn't.</p> <div></div> <p>In 7.2.1 earthing contact shall be permanently and reliably connected to a protective earthing terminal or protective earthing</p> <p>Question 1: Are The 2 examples of springs like these above considered as permanent earthing contact if it complies with 8.2.6 and can withstand force of 20N perpendicular to the mount surface. Question 2: If not can these be considered as screwless terminals and be tested to §15. Question 3: Can fix metal cutters which as pushed into the metal part of the cover, be used as permanent earth connection. If they comply with 8.2.6 (20N) See illustration below.</p> <div></div>		

Decision
These kind of earthing connections are acceptable if the §7.2.1+ §7.2.3 for screw connection are fulfilled
Explanatory notes
<u>Enquiry: OSMLUM ETF 5 minutes §9.1.6 2024</u> Date: May 23th 2024
<u>PDSH:</u> Year of publication: To be approved at CTL plenary:
<u>DSH</u> Publication date:
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