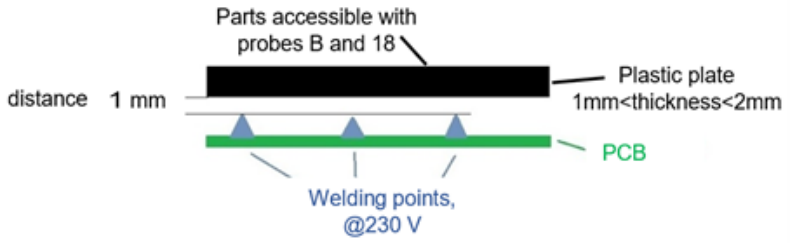
CTL Provisional DECISION SHEET (PDSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Publication date
IEC 60335-1: 2020	3.3.3/3.3.4/29.3.1	2243	2024
Category			
HOUS			
Subject	**Keywords**	**Developed by**	**To be approved**
Distance through insulation	Reinforced insulation	ETF 1	2024 CTL Plenary Meeting

Question

Is the construction below compliant with clause 29.3.1 of IEC 60335-1: 2020?



Decision

The construction above is not compliant with subclause 29.3.1 of IEC 60225-1: 2020, the solid insulation cannot be combined with the separate air layer to achieve the 2,0 mm for reinforced insulation requirement of subclause 29.3.1.

Explanatory notes

The question does not refer to the alternative ways to meet the requirements of basic or supplementary insulation of the standard in other clauses. Then, the answer refers ONLY to the compliance with subclause 29.3.1, without any other considerations about the insulation characteristics.

Basic insulation requires a 1,5 mm air gap and then 1,0 mm air shall not be considered as part of a double insulation construction. In addition, Note 1 in the reinforced insulation definition (subclause 3.3.4) is not considered applicable to this construction.