

CTL Provisional DECISION SHEET (PDSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Publication date
IEC60335-2-11 : 2024	Clause AA.22.4	PDSH 2254	2024
Category			
HOUS			
Subject	Keywords	Developed by	To be approved
Use of a pressure responsive electrical cut-out for expansion valve refrigerant systems	a pressure responsive electrical cut-out	(e.g. ETF 5)	(Year) CTL Plenary Meeting
Question			
<p>Clause AA.22.4 For tumble dryers that use flammable refrigerants, a pressure responsive electrical cut-out is required for expansion valve refrigerant systems</p> <p>NOTE A capillary system is considered to be fail safe. In this case, an additional safety device is not required.</p> <p>The pressure cut-out is allowed to be a self-resetting type. It shall not operate under the conditions of Clause 11. However, during the test of 19.4, 75 % of the lint-trap is blocked and under this condition of abnormal use, the pressure cut-out is allowed to operate.</p> <p>Compliance is checked by inspection during the tests of Clause 11 and 19.4.</p>			
Question			
<p>If a tumbler dryer having expansion valve refrigerant system complies with this standard even without a pressure responsive electrical cut-out, doesn't the appliance need to apply Cl. AA.22.4?</p> <p>The appliance complies with all pressure-related tests in IEC 60335-2-11.</p>			
Decision			
<p>The construction requirement in Cl AA.22.4, requires a pressure responsive electrical cut-out for all tumble dryers that use flammable refrigerants that use an expansion valve, irrespective of otherwise compliance with the other requirements of IEC 60335-2-11.</p>			
Explanatory notes			
<p>If the appliance has a capillary system, an additional safety device is not required, as is stated in the Note of this clause</p>			