
		LOVAG DECISION SHEET (LDS)		N°LDS191
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References	Standard(s) (incl. year)	IEC 62208:2011-08		Subclause(s): 9.7
	Subject	Evaluation of the conformity after the IK test	Submitted by: Lovato Electric S.p.a.	Date: 2017/09/18
Question	<p>After the IK mechanical impact test, the cover of the enclosure is undamaged but out of position. In this situation the following IP test of the sequence would fail.</p> 			
	<p>The clause 9.7 of the standard IEC 62208 states :</p> <p>“After the test, the enclosure shall continue to provide the IP code and dielectric strength. Removable covers can be removed and reinstalled, doors opened and closed”.</p> <p>If we remove and reinstall the cover, it will be placed in the correct position. If the subsequent tests of the sequence are successful, can we assume that the enclosure complies with the standard IEC 62208?</p>			
Analysis	<p>The standard IEC 62208 stated that the test IK (Cl. 9.7) shall not permanently damage the product (see also the IEC 62262, Cl. 6.5) and the verification of reinstallation of the cover and / or doors is carried out to guarantee this before the next checks (see also IEC 62208 Tab.1).</p> <p>Going back to the topic of the evaluation of the tests on an assembly (IEC 61439-1 and 2), a test report should always record the three verifications (IK, IP, insulation), excluding the IP test only in case of evident positive result (by visual inspection) of the IK test and when the degree of protection declared by the Manufacturer is not higher than IP2X.</p>			
Decision	The test result, as it is explained, is to be considered positive			
Date:	2017/09/22	Prepared by:	S.Manganaro (ACAE)	Approved by: ACAE Technical Commission of 2017/09/22