

		LOVAG DECISION SHEET (LDS)		N°LDS196
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References	Standard(s) (incl. year)	IEC 60947-1: 2007 + AMD1:2010 + AMD2:2014		Subclause(s): 7.1.5
	Subject	Actuators	Submitted by: ABB	Date: 2018-04-30
Question	<p>All the actuating elements that can be touched by an operator are made of insulating material (levers, buttons, etc). Key locks are an exception.</p> <p>Question: Is a key lock to be considered as an actuator? In yes, is it correct to provide it with a double isolation level from active parts (except in the case that key lock is grounded)?</p>			
Analysis	<p>First question is solved by the definition in cl. 2.3.16 and 2.3.17.</p> <p><i>2.3.16-actuating system (of a mechanical switching device)</i> <i>Whole of the operating means of a mechanical switching device which transmit the actuating force to the contact pieces</i></p> <p><i>2.3.17-actuator</i> <i>Part of the actuating system to which an external actuating force is applied</i></p>			
Decision	<p>Key lock is not considered as an actuator.</p> <p>However it seems necessary to focus that a key lock has to be considered as an “accessible metallic part” and then need to be in compliance to the insulation rules under IEC 61140 considering the reference class declared.</p>			
Date: 2018-05-31		Prepared by: Massimo Rota ACAE		Approved by: ACAE Technical Committee 2018-05-31