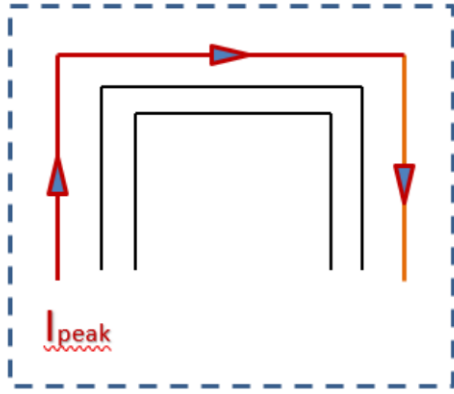
		LOVAG DECISION SHEET (LDS)		N°[LDS189]
				Pag. 1 of 1
References	Standard(s) (incl. year)	[IEC 61439-1: 2011]		Subclause(s): 10.11
	Subject	[Short-circuit withstand strength]	Submitted by: TECNALIA	Date: 31/05/2018
Question	<p>There is no indication about which phase should be subjected to peak withstand current in IEC 61439-1. In HV assemblies, and in some certification body instructions, application in most unfavorable phase (side phase) is required.</p>			
Analysis	<p>Which phase should be subjected to peak withstand current?</p>			
Decision	<p>Peak current should be applied on most unfavorable phase. LTC agreed that TL should choose the most unfavorable phase, nevertheless is not possible to determine in practice which is the most unfavorable phase. Therefore, it is recommended to apply the peak current to a side phase and, if it is possible to identify it, to the most severe configuration (for example the external phases of a bus-bar system) close also to the enclosure.</p> 			
Date: [19/06/2018]	Prepared by: [Tecnalia]		Approved by: [LOVAG Technical Committee 2018-06-18]	