

6 Short-circuit withstand capability

6.1 Test of the declared short-circuit withstand capability

Test conditions	Test requirements	Test results	
		#5	#6
U_c : 465 V Test current : 10 000 A power factor : 0.45 ~ 0.5	Neither the muslin paper nor the cheese cloth shall catch fire The power short-circuit current shall be interrupted by one of the disconnectors (internal or external) required by the manufacturer. Claus 7.7.3 of IEC 61643-1 pass criteria should be fulfilled.	Claus 7.7.3 of pass criteria is fulfilled	Claus 7.7.3 of pass criteria is fulfilled

※ See Osc. SG06~SG08

6.2 Test at low short-circuit current

Test conditions	Test requirements	Test results	
		#7	
U_c : 465 V Test current : 1 200 A power factor : 0.9 ~ 0.95	Neither the muslin paper nor the cheese cloth shall catch fire The power short-circuit current shall be interrupted by one of the disconnectors (internal or external) required by the manufacturer. Claus 7.7.3 of IEC 61643-1 pass criteria should be fulfilled.	Claus 7.7.3 of pass criteria is fulfilled	

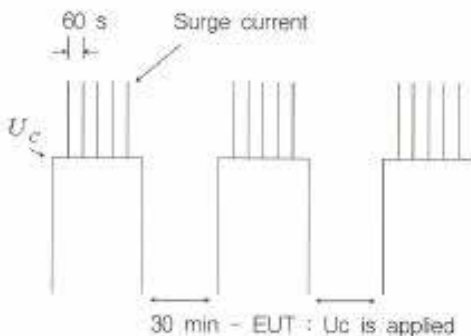
※ See Osc. SG09~SG10

7 Description of tests

- 7.1 This test report is carried out in accordance with the applicant's instructions for the specimen submitted by test applicant.
- 7.2 Test item 6.1 and 6.2 is performed with MCCB (3P 440 V 125 A 38 kA) which is submitted by applicant.
- 7.3 Line-Line and Line-Ground of test item 1, 2 and 3 are not carried out by applicant's instructions.
- 7.4 The reference standard is IEC 61643-1:2005 End.

3 Operating duty test

3.1 Preconditioning test

Test method and requirement	Applied point	Result #2
<p>o Test specification</p> <ul style="list-style-type: none"> - Short-circuit current of the generator : 10 kA, (8×20) μs - Impulses are to be applied 1 min apart. Each impulse is applied at 30° around the clock starting at 0° - 15 impulses are applied in groups of five impulses - Interval between the groups 30 min  <p>o Requirement</p> <ul style="list-style-type: none"> - No damage shall be observed 	Line-Neutral	No damage observed
	Line-Ground	-
	Neutral-Ground	No damage observed