

TEST REPORT

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KOREA ELECTROTECHNOLOGY
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TEST REPORT

2009TS02275 1/3

CLASSIFICATION Performance Test(III)
APPARATUS Surge Protective Device
DESIGNATION LP-34-38-40M
RATINGS AC 400Y/230 V
APPLIED STANDARD Applicant's specifications
RECEIPT No. TRD09S02539 (October 14, 2009)
APPLICANT Ground Co., Ltd.
#209, Suntech City 2 307-2 Sangdaewon-dong Joongwon-gu
Seongnam-si Gyeonggi-do Korea
MANUFACTURER Ground Co., Ltd.
#209, Suntech City 2, 307-2 Sangdaewon-dong Joongwon-gu
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DATE OF TESTS October 27, 2009
DATE OF ISSUE November 06, 2009

The tests have been carried out in accordance with the instructions of the client.

The test results are presented in the records of tests with the performance of the tested apparatus and the observations made during the tests. The oscillograms are attached hereto.

The test results apply only to the tested specific samples.

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No. OF PAGES records (3), photographs (1), circuit diagrams (0), oscillograms (4),
INCORPORATED drawings & descriptions (0), attachments (0)



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Tested by :

KERI

Kim, Young Sung

Witnessed by :

Photograph :

Photo. IT01 Specimen and measurement of limiting voltage

Ratings : given by test applicant

Surge Protective Device

Applied standard

Applicant's specifications

Manufacturer

Ground Co., Ltd.

Designation

LP-34-38-40M

Rated voltage

AC 400Y/230 V

List of Tests :

Description of tests	Standard and clause	Sheet No.
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1 Limiting voltage test

Test method and requirement	Applied point		Polarity	Result kV	
				1	2
○ Test specification - Open-circuit voltage of the generator U_{oc} : 6 kV, (1.2×50) μ s - Short-circuit current of the generator : 3 kA, (8×20) μ s - Effective output impedance of the generator Z_f : 2 Ω - Repeat : twice for each polarity ○ Requirement - Measuring the limiting voltages on protected line terminals	Line-Neutral	L1-N	Positive	0.88	0.88
			Negative	0.93	0.88
		L2-N	Positive	0.88	0.95
			Negative	0.91	0.91
		L3-N	Positive	1.02	0.99
			Negative	0.93	0.93
	Line-Ground	L1-G	Positive	1.35	1.39
			Negative	1.46	1.33
		L2-G	Positive	1.57	1.46
			Negative	1.61	1.24
		L3-G	Positive	1.41	1.65
			Negative	1.59	1.65
	Neutral-Ground	N-G	Positive	1.46	1.28
			Negative	1.44	1.48
	Line-Line	L1-L2	Positive	1.52	1.52
			Negative	1.57	1.55
		L1-L3	Positive	1.57	1.57
			Negative	1.59	1.57
		L2-L3	Positive	1.59	1.59
			Negative	1.59	1.57

※ See Osc. IT01-04

2 Review of test results

- 2.1 This test report is the results carried out in accordance with applicant's specifications for the specimen submitted by test applicant. End.

Photographs



Specimen



Measurement of limiting voltage

Measurement of limiting voltage with combination wave







