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SEMI F47-0706

Voltage Sag Immunity Compliance Certificate *ABB-Standard Drive - ACS550 Drive Series*

- for detailed series description see page 2 -
AC 480V, 50/60 Hz, 3-phase

Description: ABB Standard Drive - ACS550 and ACS800 Drive Family

Manufacturer: ABB PTE. LTD.

Manufacturer Address: 2 Ayer Rajah Crescent, Singapore, 139935, Singapore

Test Date and Location: 29 June 2010, 2 Ayer Rajah Crescent, Singapore, 139935, Singapore

Tested configuration: Normal drive operation and load connection

Pass/Fail criteria: Full rated output power and continuous processing during all voltage sags.

Certification:

1. Power Standards Laboratory certifies that the above tool meets the requirements of SEMI F47-0706 for voltage sag immunity when tested according to the procedures set forth in IEC 61000-4-34. An IPC Voltage Sag Generator was used for the testing that fully complies with IEC 61000-4-34.



A handwritten signature in blue ink, which appears to read "Andreas Eberhard".

*ABB Standard Drive - Sample of ACS550 and ACS800
Drive Family*

Andreas Eberhard 19 June 2014
Power Standards Lab

Certificate expires after 3 years of the issuance date

Description of the ACS550 and ACS800 Drive Series

ACS 550-01

3-phase supply voltage 380 to 480 V Wall-mounted units

Ratings						Type code	Frame Size
Normal use			Heavy-duty use				
P_N kW	P_N hp	I_{2N} A	P_{hd} kW	P_{hd} kW	I_{2hd} A		
1.1	1.5	3.3	0.75	1	2.4	ACS550-01-03A3-4	R1
1.5	2	4.1	1.1	1.5	3.3	ACS550-01-04A1-4	R1
2.2	3	5.4	1.5	2	4.1	ACS550-01-05A4-4	R1
3	4	6.9	2.2	3	5.4	ACS550-01-06A9-4	R1
4	5.4	8.8	3	4	6.9	ACS550-01-08A8-4	R1
5.5	7.5	11.9	4	5.4	8.8	ACS550-01-012A-4	R1
7.5	10	15.4	5.5	7.5	11.9	ACS550-01-015A-4	R2
11	15	23	7.5	10	15.4	ACS550-01-023A-4	R2
15	20	31	11	15	23	ACS550-01-031A-4	R3
18.5	25	38	15	20	31	ACS550-01-038A-4	R3
22	30	45	18.5	25	38	ACS550-01-045A-4	R3
30	40	59	22	30	45	ACS550-01-059A-4	R4
37	50	72	30	40	59	ACS550-01-072A-4	R4
45	60	87	37	60	72	ACS550-01-087A-4	R4
55	100	125	45	75	96	ACS550-01-125A-4	R5
75	125	157	55	100	125	ACS550-01-157A-4	R6
90	150	180	75	125	156	ACS550-01-180A-4	R6
110	150	205	90	125	162	ACS550-01-195A-4	R6
132	200	246	110	150	192	ACS550-01-246A-4	R6
160	200	290	132	200	246	ACS550-01-290A-4	R6

Description of the ACS550 and ACS800 Drive Series

ACS 800-01

Nominal ratings		No-overload use	Light-overload use		Heavy-duty use		Noise level	Heat dissipation	Air flow	Type code	Frame size
$I_{cont. max}$ A	I_{max} A	$P_{cont. max}$ kW	I_N A	P_N kW	I_{hd} A	P_{hd} kW	dBA	W	m ³ /h		
$U_N = 400$ V (Range 380 to 415 V). The power ratings are valid at nominal voltage 400 V.											
5.1	6.5	1.5	4.7	1.5	3.4	1.1	62	100	35	ACS800-01-0003-3	R2
6.5	8.2	2.2	5.9	2.2	4.3	1.5	62	120	35	ACS800-01-0004-3	R2
8.5	10.8	3	7.7	3	5.7	2.2	62	140	35	ACS800-01-0005-3	R2
10.9	13.8	4	10.2	4	7.5	3	62	160	35	ACS800-01-0006-3	R2
13.9	17.6	5.5	12.7	5.5	9.3	4	62	200	35	ACS800-01-0009-3	R2
19	24	7.5	18	7.5	14	5.5	62	250	69	ACS800-01-0011-3	R3
25	32	11	24	11	19	7.5	62	340	69	ACS800-01-0016-3	R3
34	46	15	31	15	23	11	62	440	69	ACS800-01-0020-3	R3
44	62	22	41	18.5	32	15	62	530	103	ACS800-01-0025-3	R4
55	72	30	50	22	37	18.5	62	610	103	ACS800-01-0030-3	R4
72	86	37	69	30	49	22	65	810	250	ACS800-01-0040-3	R5
86	112	45	80	37	60	30	65	990	250	ACS800-01-0050-3	R5
103	138	55	94	45	69	37	65	1190	250	ACS800-01-0060-3	R5
145	170	75	141	75	100	45	65	1440	405	ACS800-01-0075-3	R5
166	202	90	155	75	115	55	65	1940	405	ACS800-01-0100-3	R6
202	282	110	184	90	141	75	65	2310	405	ACS800-01-0120-3	R6
225	326	110	220	110	163	90	65	2810	405	ACS800-01-0135-3	R6
260	326	132	254	132	215	110	65	3260	405	ACS800-01-0165-3	R6
290	351	160	285	160	234	132	65	4200	405	ACS800-01-0205-3	R6

Description of the ACS550 and ACS800 Drive Series

ACS 800-11

Nominal ratings		No-overload use	Light-overload use		Heavy-duty use		Noise level	Heat dissipation	Air flow	Type code	Frame size
$I_{cont. max}$ A	I_{max} A	$P_{cont. max}$ kW	I_N A	P_N kW	I_{hd} A	P_{hd} kW	dB(A)	W	m ³ /h		
$U_N = 400$ V (Range 380 to 415 V). The power ratings are valid at nominal voltage 400 V.											
34	52	15	32	15	26	11	70	550	350	ACS800-11-0016-3	R5
38	61	18.5	36	18.5	34	15	70	655	350	ACS800-11-0020-3	R5
47	68	22	45	22	38	18.5	70	760	350	ACS800-11-0025-3	R5
59	90	30	56	30	45	22	70	1000	350	ACS800-11-0030-3	R5
72	118	37	69	37	59	30	70	1210	350	ACS800-11-0040-3	R5
86	137	45	83	45	65	30	70	1450	350	ACS800-11-0050-3	R5
120	168	55	114	55	88	45	73	1750	405	ACS800-11-0060-3	R6
150	234	75	143	75	117	55	73	2350	405	ACS800-11-0070-3	R6
165	264	90	157	75	132	75	73	2800	405	ACS800-11-0100-3	R6