



Power Standards Laboratory
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SEMI F47-0706

(Reapproved 0812)

Voltage Sag Immunity Compliance Certificate

Adjustable Frequency Drive Model: VLT® Automation Drive series FC-300

(See Annex 1 for a more detailed model description)

Description: Adjustable Frequency Drive

Manufacturer Name: Danfoss Drives A/S

Manufacturer Address: Design Center EU, Ulsnaes 1, DK 6300 Graasten, Denmark

Test Date and Location: 21 March 2017, same as above

Tested configuration: Normal operation and motor load connection

Pass/Fail criteria: All electrical connections active and no error messages during all voltage sags

Certification:

Power Standards Laboratory certifies that the above drive meets the requirements of SEMI F47-0706 for voltage sag immunity when tested according to the procedures set forth in IEC 61000-4-34. This project was covered under the PSL TestingPartner Program for Danfoss Drives A/S



Adjustable Frequency Drive
(Representative model)



A handwritten signature in blue ink, appearing to read 'Andreas Eberhard'.

Andreas Eberhard

29 July 2017

Power Standards Lab

Certificate expires 3 years after of the issuance date

ANNEX 1

Detailed description of FC300 Drive Series

Type	IP20	IP21	IP55/66	Mains Supply [Vac]	Power [kW]
FC300 k25	X		X	200-240	0.25
FC300 k37	X		X	200-240/380-500	0.37
FC300 k55	X		X	200-240/380-500	0.55
FC300 k75	X		X	200-240/380-500/525-600	0.75
FC300 1k1	X		X	200-240/380-500/525-600/525-690	1.1
FC300 1k5	X		X	200-240/380-500/525-600/525-690	1.5
FC300 2k2	X		X	200-240/380-500/525-600	2.2
FC300 3k0	X		X	200-240/380-500/525-600	3
FC300 3k7	X		X	200-240	3.7
FC300 4k0	X		X	380-500/525-600/525-690	4
FC300 5k5	X	X	X	200-240/380-500/525-600/525-690	5.5
FC300 7k5	X	X	X	200-240/380-500/525-600/525-690	7.5
FC300 11k	X	X	X	200-240/380-500/525-600/525-690	11
FC300 15k	X	X	X	200-240/380-500/525-600/525-690	15
FC300 18k	X	X	X	200-240/380-500/525-600/525-690	18.5
FC300 22k	X	X	X	200-240/380-500/525-600/525-690	22
FC300 30k	X	X	X	200-240/380-500/525-600/525-690	30
FC300 37k	X	X	X	200-240/380-500/525-600/525-690	37
FC300 45k	X	X	X	380-500/525-600/525-690	45
FC300 55k	X	X	X	380-500/525-600/525-690	55
FC300 75k	X	X	X	380-500/525-600/525-690	75
FC300 90k	X	X	X	380-500/525-690	90