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# SEMI F47-0706

(Reapproved 0812)

## Voltage Sag Immunity Compliance Certificate

### Adjustable Frequency Drive

### Model: VLT<sup>®</sup> 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 connection

**Pass/Fail criteria:** Tool Halting process without automatic recovery. Based on the Test report DANF-023B, the manufacturer declares that the hardware and firmware design of Series FC-300 has not been changed, as tested, and stated in Report DANF-023B.

#### Certification:

Power Standards Laboratory certifies that the above tool meets the Mandatory 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.



EUT: Adjustable Frequency Drive  
(Representative model)



*Syedamehwish*

Syeda Mehwish 17<sup>th</sup> August 2023

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The certificate expires 3 years after 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