



Power Standards Laboratory
www.Powerside.com
980 Atlantic Ave #100
Alameda, CA 94501 USA
TEL ++1-510-522-4400
FAX ++1-510-522-4455

SEMI F47-0706

(Reapproved 0812)

Voltage Sag Immunity Compliance Certificate

FC-102, FC-202, FC-302
(See Annex 1 for details)

Description: VLT Frequency Converter

Manufacturer: Danfoss Drives

Manufacturer Address: 4401 N Bell School Rd, Loves Park, IL 61111, USA

Test Date and Location: 8 April 2013, 4401 N Bell School Rd, Love Park, IL 61111 Also related to test reports DANF-013/14/15 tested on 16,17 April 2014.

Test Configuration: 3-phase Delta, 3-wire+PE, 416V 60Hz

Certification Pass/Fail criteria: Full-rated output power and continuous processing during all voltage sags. Based on the Test report DANF-024, the manufacturer declares that the hardware and firmware design FC-102, FC-202, and FC-302 have not been changed, as tested, and stated in Report DANF-024.

Certification:

1. Power Standards Laboratory certifies that the above tool met 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. This certificate is based on certificate DANF-021. No product changes have been made since.



EUT: VLT Frequency Converter



Syedamehwish

Syeda Mehwish 9th June 2023
Power Standards Lab
<http://www.Powerside.com>

The certificate expires 3 years after the issuance date.

ANNEX 1

VLT® HVAC Drive series FC-102

VLT® AQUA Drive series FC-202

VLT® Automation Drive series FC-302

Typecodes covered by this SEMI F47 certification:

FC-102XYZZ*****

FC-202XYZZ*****

FC-302XYZZ*****

Where:

Character X:

N: Next Generation

P: Standard Product

Character YYY (Power Size):

55K:	55kW	90K:	90kW
75K:	75kW	132:	132kW
110:	110kW	200:	200kW
160:	160kW	315:	315kW
250:	250kW	400:	400kW
355:	355kW	500:	500kW
450:	450kW	630:	630kW
560:	560kW	800:	800kW
710:	710kW	1M0:	1000kW
900:	900kW	1M4:	1400kW
1M2:	1200kW		

Character ZZ (Mains Voltage):

T4: Three phase 380-480 VAC

T5: Three phase 380-500 VAC

T7: Three phase 525-690 VAC

* may be any number or letter indicating drive options which do not impact this DoC