

SEMI F47-0706

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

Tested configuration: Delta 416V, 3-phase, 3-wire+PE, 60Hz --Extension of SEMI F47 certification

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

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 done since.



FC-302 pictured above



Andreas Eberhard 23 June 2020

Power Standards Lab

Certificate expires after 3 years of 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