

FIX 167 Siemens SINAMICS V20 – F2 Overvoltage – mini Models

Convotherm mini

Observation from the field / Beobachtung aus dem Feld:



F2 Overvoltage on Siemens SINAMICS V20 Frequency Drive at mini Models



F2 come up if Voltage to the V20 is higher than > 250V



Serial solution / Serienlösung:

From / Seit: **05-2023**



If, due to temporary delivery problems, Siemens SINAMICS V20 Frequency Drive has to be used in the Factory, changed settings inside the V20 are set.

Service solution / Lösung im Feld:



Some settings need to adjust and save at the V20 in the field:

V20 Parameter		Default (Convotherm)	New
P0210	Mains Voltage	230 V	240 V
P1121 [in000]	Ramp-down time (s)	1 s	3 s
P1232 [in000]	DC braking current (%)	125	150
P0971	Save parameters to EEPROM		1

With these settings, a max. voltage of 264V to the V20 is possible.



Procedure at V20:



Procedure at Service Settings – operating parameter - Fan:

Set 130 60 Direction-change delay from 0 to **5 sec.**

Fan		
130 01 Fan direction-change time	(0 - 240)	120
130 06 Activation temperature for fan pulsed mode	(86 - 482 °F)	158
130 11 Motor wait time after closing door	(0 - 20)	0
130 60 Direction-change delay	(0 - 65535)	5