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Subject: G120XA solution to warning F7902 motor out of step

Introduction:

This paper introduces a method to deal with warning F7902 motor out of step when G120XA is running.

Question:

In the process of using G120XA frequency converter, F7902 motor stalled fault occurs, especially in the case of asynchronous motor, which is generally due to the lack of motor data identification and static optimization. There is another possibility that the motor fails to stop after *OFF* and then *ON* again, and the customer doesn't activate the flying restart function.

Answer:

Follow these steps to reconfigure G120XA:

- 1) Restore factory settings
- 2) Enter the quick commissioning mode, set p96 parameter, V/F mode p96=1, VC mode p96=2
- 3) According to the actual motor nameplate parameters, set the value of p304, p305, p307, p308 and p311
- 4) P1900=2 static optimization control parameters
- 5) Exit the quick commissioning, and p340=1 will be called automatically to calculate the motor parameters
- 6) Switch to the Hand mode, press the start key to carry out the automatic matching and calculation process of motor ID, and wait for the completion
- 7) Configure p1200=1, activate flying restart function, and then p971=1 to save parameters

Keywords (for SIOS search):

G120XA F7902

Scope of publicity:

- Open to hotlines
- Hotline and Service
- Intranet/Extranet (Siemens only)
- Internet (includes Intranet and Extranet)

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