

1. Event

- At the time of VFD configuration it's found that the VFD is not taking the reference speed command from the PLC.
- VFD running in the maximum speed(50Hz) upon the start command.
- PLC input was connected to the AI1 (pin 2).

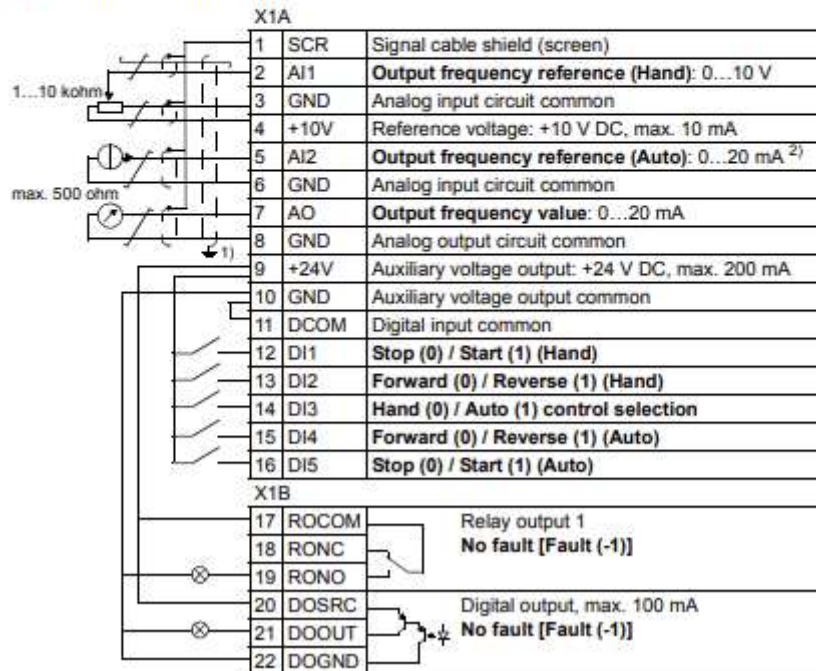
Hand/Auto macro

This macro can be used when switching between two external control devices is needed. To enable the macro, set the value of parameter **9902 APPLIC MACRO** to **5 (HAND/AUTO)**.

For the parameter default values, see section *Default values with different macros* on page 165. If you use other than the default connections presented below, see section *I/O terminals* on page 49.

Note: Parameter **2108 START INHIBIT** must remain in the default setting 0 (**OFF**).

Default I/O connections



2. Solution

- Checked all the parameters are configured properly or not.
- For this application the macro is used is Hand/Auto is enabled.
- From **9902 parameter** set the value to 5 for **Hand/Auto**.
- Refer to the Actual signals and parameters on ACS310 user manual for more details.

https://library.e.abb.com/public/0eda39cbd8494c4596d426b81e7884b3/EN_ACS310_UM_D_A4.pdf

