

4.10.3 Terminal strips

Terminal strips for FSAA ... FSC with wiring example

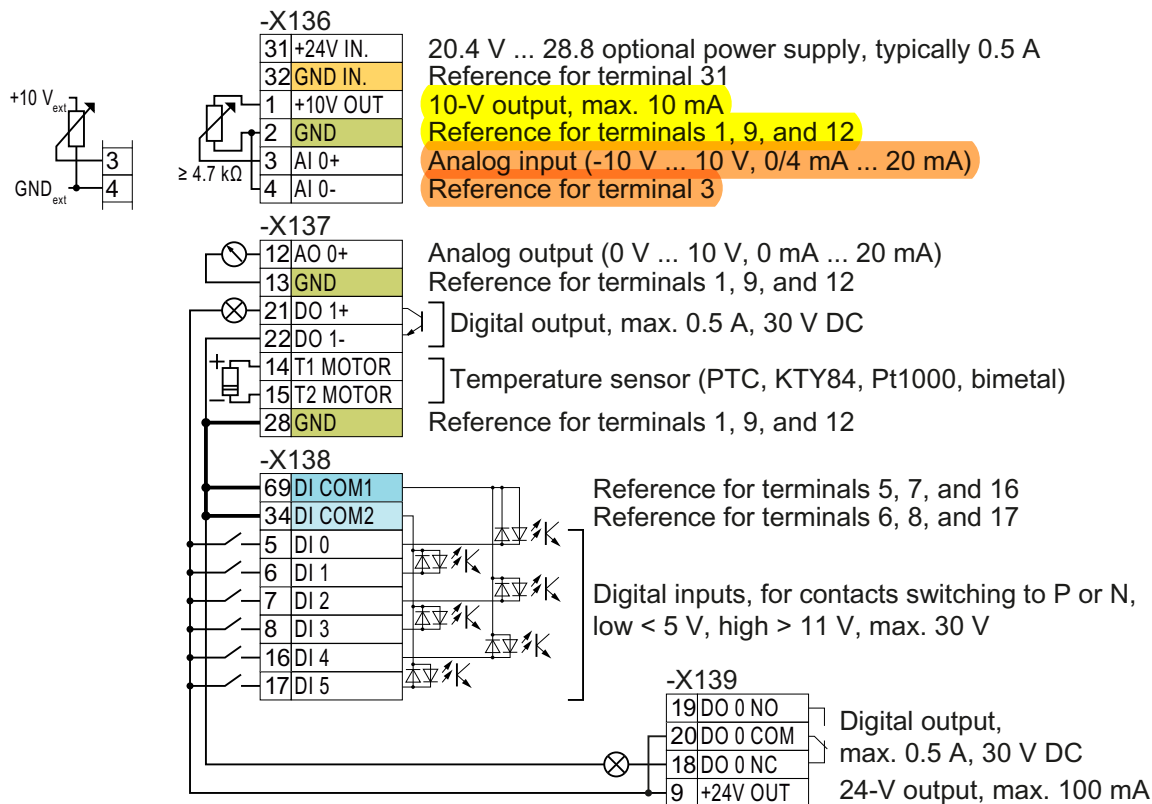


Figure 4-33 Wiring example of the digital inputs with the internal converter 24 V power supply

GND All terminals with the reference potential "GND" are connected to each other inside the converter.

DI COM1 Reference potentials "DI COM1" and "DI COM2" are electrically isolated from "GND".

DI COM2 → if, as described above, you use the 24-V power supply from terminal 9 to supply the digital inputs, then you must connect "GND" with "DI COM1" and "DI COM2" at the terminals.

31 +24 V IN
32 GND IN When an optional 24-V power supply is connected to terminals 31, 32, the Control Unit remains in operation even after the Power Module has been disconnected from the line supply. The Control Unit thus maintains fieldbus communication, for example.

→ for terminals 31, 32 only use a 24 VDC power supply with PELV (Protective Extra Low Voltage).

→ for applications in the USA and Canada: Use a 24 VDC power supply, NEC Class 2.

→ connect the 0 V of the power supply with the protective conductor.

→ if you also wish to use the power supply at terminals 31, 32 for the digital inputs, then you must connect "DI COM1/2" and "GND IN" with one another at the terminals.

3 AI 0+
4 AI 0- For the analog input, you can use the internal 10-V power supply or an external voltage source. Typical current consumption: 10 mA ... 20 mA.

→ If you use the internal 10-V supply, you must connect AI 0- to GND.