



2.1 Wiring

2.1.1 Terminal connection diagram

Sink logic

⊙ Main circuit terminal

○ Control circuit terminal

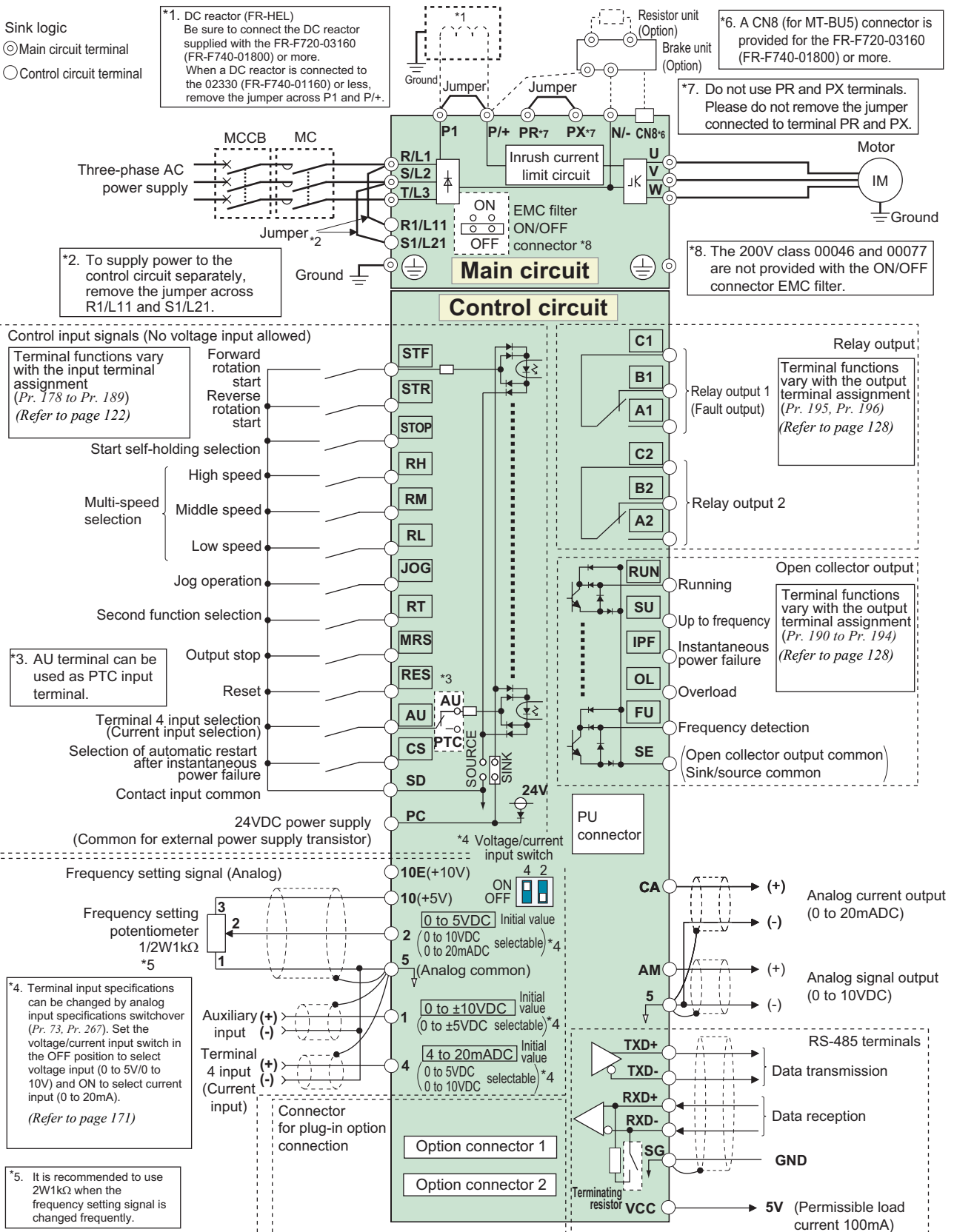
*1. DC reactor (FR-HEL)
Be sure to connect the DC reactor supplied with the FR-F720-03160 (FR-F740-01800) or more.
When a DC reactor is connected to the 02330 (FR-F740-01160) or less, remove the jumper across P1 and P/+.

*6. A CN8 (for MT-BU5) connector is provided for the FR-F720-03160 (FR-F740-01800) or more.

*7. Do not use PR and PX terminals. Please do not remove the jumper connected to terminal PR and PX.

*8. The 200V class 00046 and 00077 are not provided with the ON/OFF connector EMC filter.

*2. To supply power to the control circuit separately, remove the jumper across R1/L11 and S1/L21.



*3. AU terminal can be used as PTC input terminal.

*4. Terminal input specifications can be changed by analog input specifications switchover (Pr. 73, Pr. 267). Set the voltage/current input switch in the OFF position to select voltage input (0 to 5V/0 to 10V) and ON to select current input (0 to 20mA). (Refer to page 171)

*5. It is recommended to use 2W1kΩ when the frequency setting signal is changed frequently.

CAUTION

- To prevent a malfunction due to noise, keep the signal cables more than 10cm (3.94inches) away from the power cables. Also separate the main circuit wire of the input side and the output side.
- After wiring, wire offcuts must not be left in the inverter.
- Wire offcuts can cause an alarm, failure or malfunction. Always keep the inverter clean.
- When drilling mounting holes in an enclosure etc. take care not to allow chips and other foreign matter to enter the inverter.
- Set the voltage/current input switch correctly. Operation with a wrong setting may cause a fault, failure or malfunction.