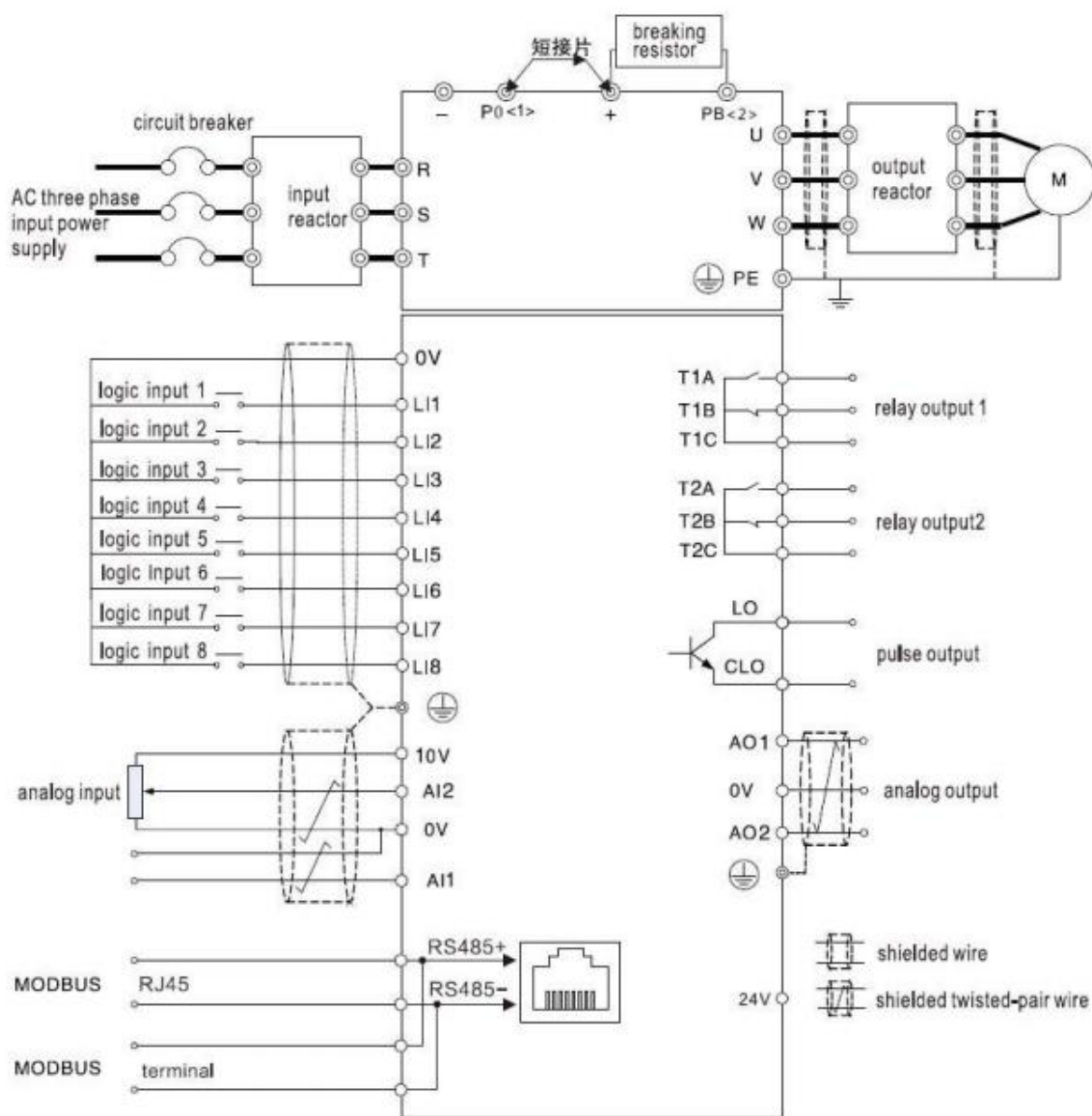


Specification

ITEM		SPECIFICATIONS
Main Input	Rated voltage and frequency	Single-phase 200V class: 200V-240V, 50Hz/60Hz 5%±5% 3-phase 400V class: 380V~480V, 50HZ、60HZ 5%
Main output	Output voltage	Maximum output voltage equals to input voltage
	Output frequency	0.5 Hz to 400 Hz
	Overload capacity	150% of rated output current for 60s 200% of rated output current for 2s
Control performance	Control mode	V/f control for constant torque, V/f control for quadratic load, vector control without PG (open loop control),Energy-saving
	Setting method of run command	Outer terminal, keyboard panel, serial communication
	Setting method of speed command	Analog setting, keyboard, serial communication, UP/DOWN speed setting from external terminal
	Speed setting resolution	Keyboard: 0.1 Hz Analog setting: 0.05/50Hz (10bit)
	Speed control precision	V/f control: ±2% vector control without PG (open loop control): ±0.2%
	Speed control range	V/f control 1:40 vector control without PG (open loop control) 1:200
	Acceleration and Deceleration Time	0-3200.0s
	Switching frequency	1.5 kHz ~ 12 kHz, according to junction temperature automatically reduce the switching frequency
	Serial Communication	2-way RS-485, MODBUS-RTU, RJ45 connection port
Environment	Ingress protection	IP20
	Working temperature	-10~50℃
	Storage temperature	-20~60℃
	Humidity	No condensed water or drip at 5 ~ 95%, In accordance with IEC60068-2-3
	Altitude	1000m or below (Derating is necessary when the altitude is higher than 1000m)
	Cooling method	Fan
	Installation place	Room



(b) Basic wiring diagram of 15kW and above

Figure 3.6 Basic wiring diagram of the frequency inverter

1. Input voltage signal or current signal can be selected with AI1. The type of input signal can be set by the dial switch S3 on the control board.
2. Correct connection must be followed when external braking resistor is required.
3. In the diagram, $\ominus$ means main circuit terminal, and $\ominus$ means control terminal.

Wiring of the main circuit