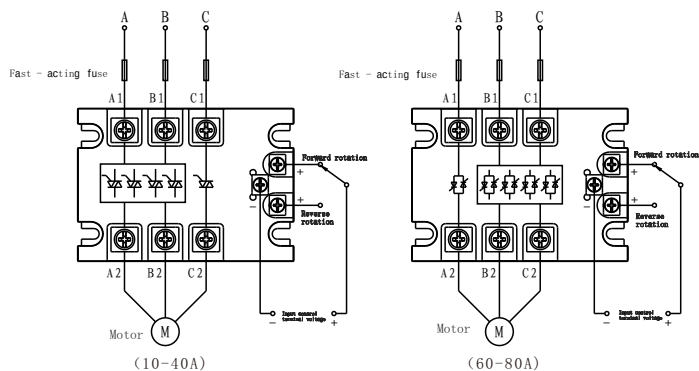
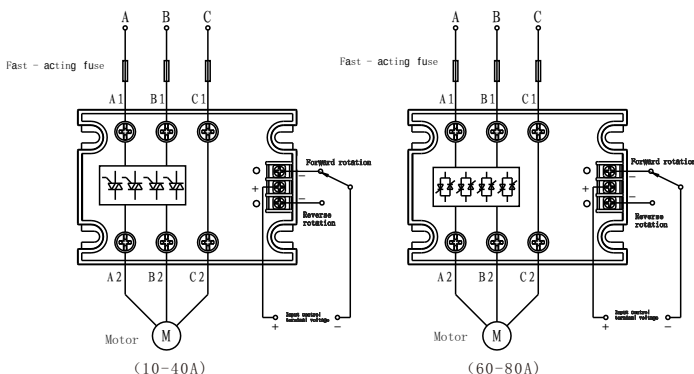


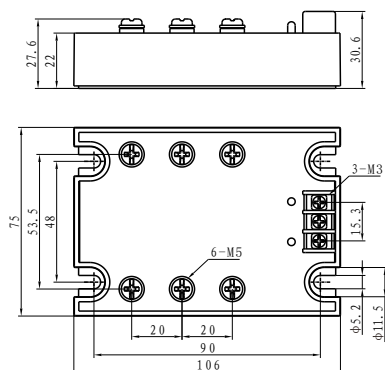
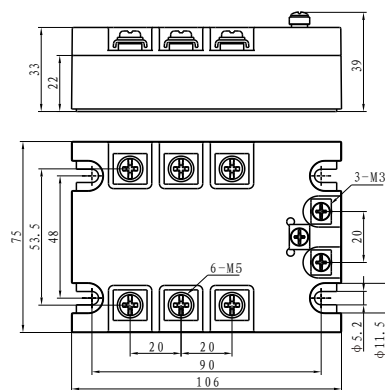
■ Wiring Diagram, Outline and Installation Dimension Diagram



Wiring Diagram for Forward and Reverse Rotation of Motor
(Three - phase Three - control / Common Cathode)



Wiring Diagram for Forward and Reverse Rotation of Motor
(Three - phase Three - control / Common Anode)



■ Use Instructions

Before installation and use, please carefully check whether the model and specification of the solid - state relay match the actual operating conditions. Pay attention to correct wiring:

- ① The load terminal and the control terminal must not be connected reversely;
- ② The polarity of “+” and “-” of the control terminal power supply must not be connected reversely.
- ③ The power lines and motor lines should be wired according to the schematic diagram. It is strictly forbidden to use the forward - reverse rotation relay at the rear end of the frequency conversion power supply.
- ④ Confirm the forward/reverse rotation debugging of the motor, the initial phase of the three - phase power supply, and the red/green indication for forward/reverse.

► Overcurrent Protection

Relays are not allowed to have overcurrent. Although a safety factor has been considered during model selection, overcurrent during short circuits or other abnormal conditions at the moment when the load starts may cause permanent failure of the relay. Therefore, protection must be provided.

- ① Method 1: Connect a fast fuse with a breaking time ≤ 20 ms in series in the input load circuit;
- ② Method 2: Select a suitable circuit breaker with an operating time ≤ 20 ms.

► Selection of Heat Sink

According to the actual steady-state operating current of the relay, an appropriate heat sink ($>5A$) should be selected. The selection of the heat sink refers to the selection manual. Install the relay on the heat sink and tighten it. Thermal conductive silicone grease should be applied between the joint surface of the relay and the heat sink. When the actual operating current is too large and the surface temperature is close to $60^{\circ}C$, forced air cooling should be adopted.

■ Notice for Ordering

When placing an order, the name, model, input voltage range, output voltage, current, and quantity should be clearly stated. Example: Three-phase motor forward and reverse solid-state relay HHG1F-3/024F-38 80A, 10 pieces; Heat sink (HH-037), 10 pieces.

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