

## Motor Control & Protection

### XJ3-D Protective Relay



#### General

XJ3-D phase failure and phase sequence protection relay is used to provide overvoltage, undervoltage and phase failure protection in three-phase AC circuits and phase sequence protection in irreversible transmission devices and features reliable performance, wide application and convenient use.

The protector starts to function when it is connected to the power control circuit in accordance with the drawing. When the fuse of any phase of the three-phase circuit is open or when there is a phase failure in the power supply circuit, the XJ3-D operates immediately to control the contact to cut off the power supply of the AC contactor coil of the main circuit so that the main contact of the AC contactor operates to provide the load with phase failure protection.

When the phases of a three-phase irreversible device with predetermined phase sequence are connected incorrectly due to maintenance or change of the power supply circuit, the XJ3-D will identify the phase sequence, stop supplying power to the power supply circuit and achieve the goal of protecting the device.

#### Technical data

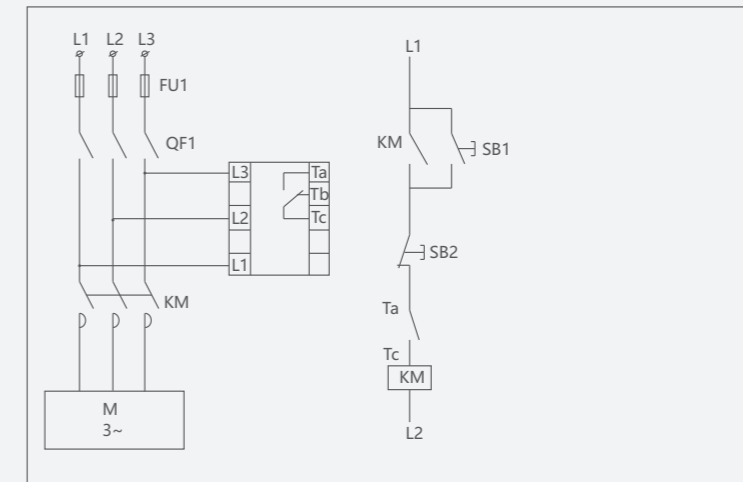
Type	XJ3-D
Protection function	Overvoltage Undervoltage Phase-failure Phase-sequence error
Overvoltage protection(AC)	380V~460V 1.5s~4s (adjustable)
Undervoltage protection(AC)	300V~380V 2s~9s(adjustable)
Operating voltage	AC 380V 50/60Hz
Contact number	1 group changeover
Contact capacity	Ue/Ie:AC-15 380V/0.47A; Ith:3A
Phase-failure and phase-sequence protection	Reacting time ≤ 2s
Electrical life	1 × 10 <sup>5</sup>
Mechanical life	1 × 10 <sup>6</sup>
Ambient temperature	-5°C~40°C
Installation mode	35mm Track installation or soleplate mounting

Note: in the example diagram for application circuit, protective relay can provide protection only under the condition of phase-failure occurring at terminal 1, 2, 3 and among three phase of power supply A, B, C.

## Motor Control & Protection

### XJ3-D Protective Relay

#### Wiring diagram



#### Overall and mounting dimensions(mm)

