

General

FKD-01/01F phase failure relays are designed to avoid failures of three phase motors caused from network.

Usage of Device and Working Principle

Make the connections according to the diagram. When power is on, and phases are in normal values, relay pulls and relay led is switches on. In this case, contact out is (NO) 3 pole. Any of the phases are over or under, relay releases and led switches off. In this case contact out is (NC) 1 pole.

FKD-01F type have phase sequencing function. If phase sequence is wrong, relay releases and relay led switches off.

Voltage asymmetry ratio is fixed to %20($220V \times \%20 = 44V$). Relay releases when the distance of highest-lowest phase is more than %20, relay led switches off and displays of highest and lowest phases starts to flash. when asymmetry ratio is back to normal, relay pulls and relay led switches on.

Maintenance

Switch off the device and release from connections. Clean the trunk of device with a swab. Don't use any conductor or chemical might damage the device. Make sure device works after cleaning.

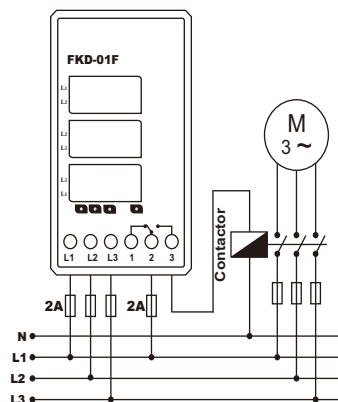
Warnings

- Please use the device according to the manual.
- Don't use the device in wet.
- Include a switch and circuit breaker in the assembly.
- Put the switch and circuit breaker nearby the device, operator can reach easily.
- Mark the switch and circuit breaker as releasing connection for device.

Technical Specifications:

- Operating Voltage(U_n) ...: 3 x 380V AC
- Operating Frequency.....: 50/60 Hz.
- Operating Power.....: <6VA
- Operating Temperature...: -20°C.....+55°C
- High Voltage (U>).....:440V
- Low Voltage (U<).....:270V
- Asymmetry Set.....: % 20 fixed
- Waiting (t).....:~3sec. fixed
- Measurement Precision :±1
- Connection Type.....: Terminal connection
- Contact.....: 5A/250V AC (Resistive Load)
- Cable Diameter.....: 2,5mm²
- Weight.....: Max. 250gr.
- Mounting.....: Vertical assembled in the panel
or assembled on the din rail.
- Operating Altitude.....: <2000meter

Connection diagram



Dimensions

