

Phase Failure Relay - PFR2000 series

三相电源监视器 - PFR2000 系列



APPLICATION:

PFR2000 series 3-phase failure relays are the voltage monitoring of a 3-phase three-wire system, used as a protector against the voltage unbalance, phase loss, phase reversal, overvoltage and undervoltage, and correct the phase automatically of the motor with three-phase, AC 50/60Hz, rated voltage 80 to 690V.

The protector must be connected according to the offered drawing, which generally measures the value of the power supply.

When the power supply is normal, the NO contact of the relay closes, the NC one opens, the green LED lights; when the power supply is suffering one or more abnormalities, the NO contact opens, the NC one closes, and the green LED turns off, the relative indicator LED lights.

SPECIFICATIONS:

Item	Description
Main circuit	Rated voltage 3 Φ 690VAC, 50/60Hz
Auxiliary circuit	Supply: AC15, DC13, DC12 Rated work voltage: 250VAC or 24VDC Rated work current: 250VAC 2.5A, 24VDC 2.5A
Ambient temp. range	-30°C ... +70°C
Service life	Approx. 1x10 ⁶ switching cycles
Protection class	IP20
Connection	Push-button
Housing	PA66
Installation	On 35mm standard rail
Dimensions	30 x 68 x 72mm

SPECIFICATIONS:

Item	Rated Voltage	Relay Output
PFR2000-1	380V ± 15%	AC15: 2.5A @ 250VAC DC12: 5A @ 24VDC DC13: 2.5A @ 24VDC
PFR2000-2	220V ± 15%	
PFR2000-3	440V ± 15%	
PFR2000-4	415V ± 15%	
PFR2000-5	400V ± 15%	
PFR2000-NQ(M)	300 – 500V	
PFR2000-NQ(L)*	160 – 260V	

**(No over/under voltage protection)*

