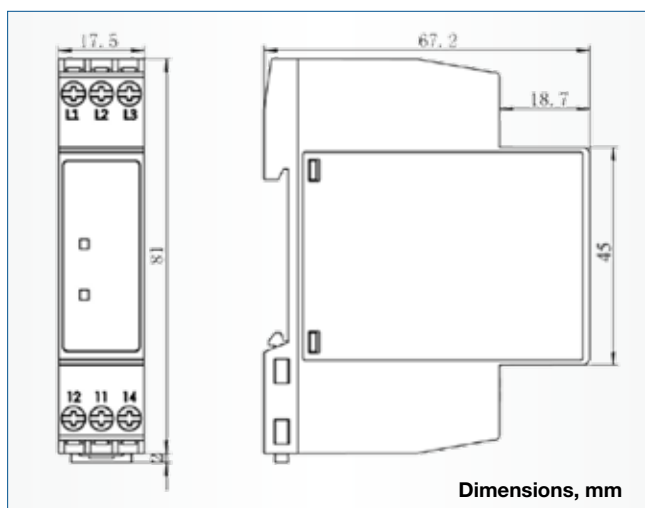


Phase Failure Relay - PFR51, PFR53 series

三相电源监视器 - PFR51, PFR53 系列



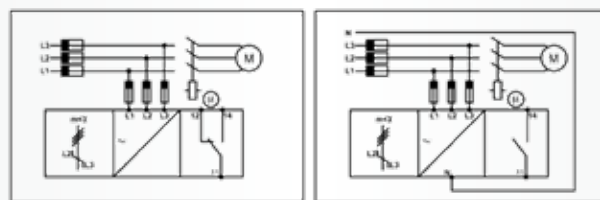
APPLICATION:

PFR51/53 series are the monitoring relays used for three-phase three-wire systems or three-phase four-wire systems.

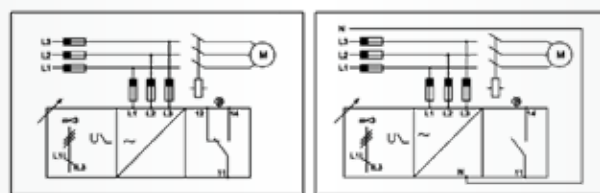
PFR series 3-phase failure relay monitors for under-voltage, phase sequence, phase loss (static and dynamic) and voltage unbalance.

SPECIFICATIONS:

Item	Description
Power supply	PFR51: 45-65Hz, AC200-480V±15%, AC500-690V±15% PFR53: 45-65Hz, AC380-480V±15%, AC200-240V±15%
Ambient temp.	-30°C ... +70°C
Relay output	Max. AC 240V, Max. 2.5A, C300 Min.>24V AC/DC, >20mA
Mechanical life	Approx. 1x10 ⁶ switching cycles
Protection class	IP20
Housing	PA66
Mounting	DIN-rail
Dimensions	17.5 x 81.0 x 67.2mm



PFR51 wiring diagram



PFR53 wiring diagram

Model	Measuring range	Relay	Phase sequence	Phase loss	Voltage unbalance	N-line protection
PFR51CM44	170 – 550 VAC	1SPDT	Yes	Yes	Yes	No
PFR51CM69	500 – 795 VAC	1SPDT	Yes	Yes	Yes	No
PFR51AM44N	100 – 318 VAC	1SPDT	Yes	Yes	Yes	Yes
PFR51CM44B	235 – 550 VAC	1SPDT	Yes	Yes	Yes	No
PFR53CM48	320 – 480 VAC	1SPDT	Yes	Yes	Yes	No
PFR53CM23	160 – 240 VAC	1SPDT	Yes	Yes	Yes	No
PFR53AM48N	320 – 480 VAC	1SPDT	Yes	Yes	Yes	Yes