



MKC-30 Phase Failure Relay

MKC-30 phase failure relay prevents overheating and damage of 3-phase motors due to phase fault and voltage unbalanced at industrial sites and it protects the motors.

Asymmetry and time setting adjusted by trimpots allow users to make easy adjustment. It occupies less space in panels where mounting space matters thanks to its slim type design. Notification LEDs on the device allow users to easily identify the problem and to get information about device status.

- 5-25% asymmetry setting
- Asymmetry (voltage unbalanced) protection
- Extreme under voltage protection
- Extreme over voltage protection
- Phase sequence protection
- Detection of neutral break
- Adjustable delay-off time (0.1-20 sec)
- DIN1 enclosure
- IP20 protection class
- 1 CO contact output (8A, 2000 VA)
- Rail mounting
- -10°C ... +60°C ambient temperature



SPECIFICATIONS	MKC-30
SUPPLY & MEASUREMENT	
Nominal Voltage (Un)	230 VAC (±10%)
Operating Frequency	50/60 Hz
Measurement Voltage Range (ΔU)	150 - 300 VAC
Measurement Accuracy	±3%
SETTINGS & OUTPUT	
Asymmetry Setting Range	5-25 % ; Off
Extreme Under Voltage Limit	< 115 VAC
Extreme Over Voltage Limit	> 345 VAC
Hysteresis	30% of the adjusted asymmetry value
Delay-off Time (toff)	0.1 - 20 sec
Delay-on Time (ton)	fixed 0.5 sec
Contact Output	1 CO, 8 A, 2000 VA (cos φ=1)
CONNECTIONS	
Mounting Type	Rail mounting
Connection Terminals	Screw terminal
Connection Types	3 phase with neutral
ENCLOSURE	
Protection Class	IP20
Dimensions (mm)	17.5x90x63
AMBIENT CONDITIONS	
Ambient Temperature	-10.....+ 60°C
Maximum Ambient Humidity	95%

