



MKC-MKS Series Phase Failure Relays

MKC - MKS series phase failure relays are designed to prevent over-heating and burning of 3 phase motors due to phase failure or unbalanced voltage (asymmetry) in industrial plants.

They are used in process industry, conveyor & transport systems, moving stairs & elevators and industrial machine lines.

- Protection against phase failure, incorrect phase sequence, asymmetry and over-heating
- DIN rail mounting
- 230 VAC or 400 VAC operating voltage
- Between 0.1-20 sec. off delay and on delay time adjustment (MKC-05/05P/06/06P)
- 0.2 sec. fixed off delay and on delay time (MKC-01/03/03P/04 and MKS-01/03)
- Adjustable or fixed asymmetry
- IP20 protection class
- 1 x 8A CO or NO contact output
1 x 5A CO contact output (MKC-20)
- 3 wires delta or 4 wires star connection

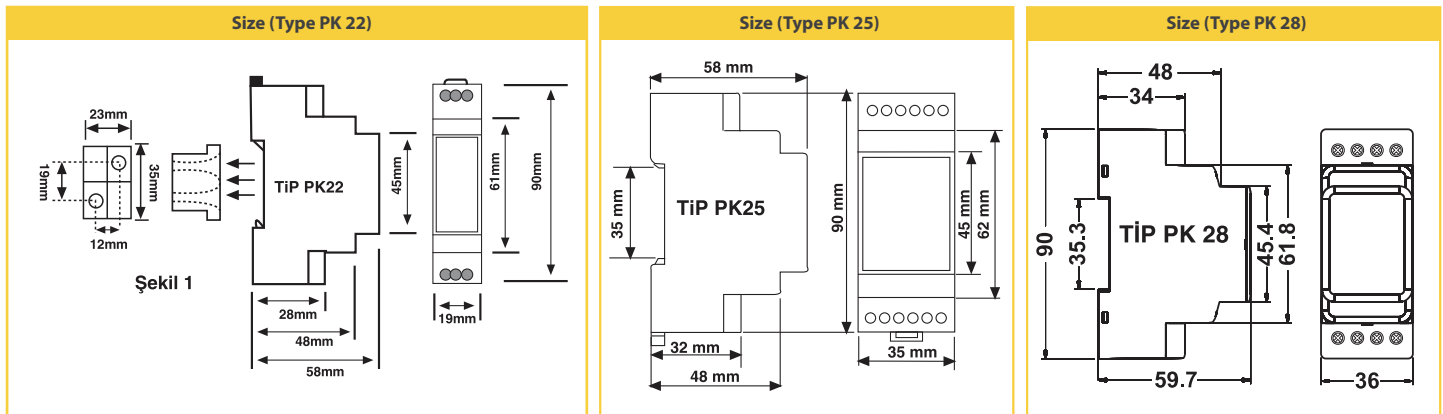


PRODUCT SELECTION TABLE

Product Code		Neutral Failure	Phase Failure	Phase Seq. Failure	PTC Protection	Fixed Asymmetry	Adjustable Asymmetry	Without Neutral	Switch On Delay	Switch Off Delay	1 C/O Contact	1 N/O Contact	DIN1 Rail Mounting	DIN2 Rail Mounting	Pcs / Box
MK-01	Phase Failure Relay	•	•			•					•				20
MKC-01	Phase Failure Relay	•	•			•					•			•	16
MKS-01	Phase Failure Relay	•	•			•						•	•		28
MKC-03	Phase Failure Relay	•	•	•		•					•			•	16
MKC-03P	Phase Failure Relay (with PTC3)	•	•	•	•	•					•			•	16
MKS-03	Phase Failure Relay	•	•	•		•						•	•		28
MKC-04	Phase Failure Relay	•	•	•		•		•			•			•	16
MKC-05	Phase Failure Relay	•	•	•			•		•	•	•			•	16
MKC-05P	Phase Failure Relay (with PTC3)	•	•	•	•		•		•	•	•			•	16
MKC-06	Phase Failure Relay	•	•	•			•	•	•	•	•			•	16
MKC-20	Phase Failure Relay	•	•	•			•		•	•	•			•	28

○ Can be switched off

SPECIFICATIONS	MK-01	MKS-01	MKS-03	MKC-01	MKC-03	MKC-03P	MKC-04	MKC-05	MKC-05P	MKC-06	MKC-06P	MKC-20
ENCLOSURE												
Dimensions	PK21	PK22		PK25 - PK28						PK22		
Weight		0,1kg/pcs		0,3kg/pcs						0,1kg/pcs		
MEASUREMENTS												
Voltage Unbalance	%20 fixed		%40 fixed	%20 fixed	%40 fixed		%5-%15 adjustable		Can be switched off		%5-%25 adjustable Can be switched off	
SUPPLY												
Operating Voltage	230 VAC				400 VAC	230 VAC	220 VAC	400 VAC	380 VAC	230 VAC		
Operating Frequency	50/60 Hz											
OUTPUT												
Output Contact	CO 8A, 200 VA	1NO,8A,2000 VA		1CO,8A,2000 VA						1CO 5A,1250 VA		
On Delay					0,2 sec. fixed				0,1-20 sec. adjustable		0,1 sec. fixed	
Off Delay					0,2 sec. fixed				0,1-20 sec. adjustable		0,1-20 sec. adjustable	
AMBIENT CONDITIONS												
Ambient Temperature; Humidity							-5 / +55°C ; % 90					
Over Voltage Category							III					
CONNECTIONS												
Mounting	Rail mounting											
Connection Types	3 phase+neutral				3 phase		3 phase+neutral		3 phase		3 phase+neutral	



HEADQUARTERS

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