

**Product Discontinuation
Notices**

Measuring/Motor Protective Relays

June 1, 2011

No.2011E024

**Discontinuation Notice of Over current and Earth-fault Relay
K2CG-A-F1**

Product Discontinuation

Recommended Replacement



K2CG-A-F1



No replacement

Discontinuation date : The end of April, 2011

Product Discontinuation and recommended replacement

Product discontinuation	Recommended replacement
K2CG-A-F1	No replacement

Body color

Product discontinuation	Recommended replacement
Black	No replacement

Characteristics

Item	K2CG-A-F1	
	3-phase CO	LOC
Operating current error	±5%	±10%
Operating time error	Timing element: ±12% (300% over current with the time setting at 10.) Instantaneous element: 0.04s max. (200% over current)	
Insulation resistance	100 MΩ min. between each electric circuit and the external case	
Dielectric strength	2,000 VAC for 1 min between each electric circuit and external case	
Vibration resistance	Malfunction: 10 Hz, 5-mm double amplitude 30 s each in X and Y directions 2.5-mm double amplitude 30 s in Z direction 16.7 Hz, 0.4-mm double amplitude 600 s each in X, Y and Z directions	
Shock resistance	Destruction: 294 m/s ² (30G) 3 times each in 3 directions	
Ambient temperature	Operating: -10 °C to 60 °C (with no icing)	
Ambient humidity	Operating: 30% to 85%	
Weight	Approx. 3.8 kg	

Operation ratings

Item	K2CG-A-F1	
	3-phase CO	LOC
Applicable standards	JEC-2500; JEC-174A	
Rated current	50/60 Hz (either is applicable)	
Operating current setting	Timing element (A)	7 settings: 0.25, 0.35, 0.5, 0.7, 1, 1.4, and 2
	Instantaneous element (A)	8 settings: 2.5, 3.5, 5, 7, 10, 14, 20, and OFF*
Operating time setting	Timing element: 12 settings: 0.25, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10 Setting of 10: 300% over current for 10 s 500% over current for 3.2 s 1,000% over current for 0.8 s Instantaneous element: 0.04 s max. for a 200% over current	
Control power supply	Not required	110 VAC
Rated power consumption	6 VA	5 VA
Input consumption	-	0.5 VA max. (at 0.25 A)
Contact capacity	SPDT + SPST-NO Closed circuit capacity 10 A at 220 VDC, 1,000 operations (L/R = 0 ms) 15 A at 110 VDC, 1,000 operations (L/R = 0 ms) Open circuit capacity 1 A at 110 VDC, 1000 operations (L/R = 25 ms) 1 A at 220 VAC, 1,000 operations (cos ø = 0.1) Output relay: automatic reset	
Indications	Operation: Rotation, manual reset LED indicators: Power indicator (green), start indicator, and elapsed time indicator (yellow)	
Case	Square-shell flush mounting (-F1) case	

*Note: "IFF" disables the operation of the instantaneous element.