

OMRON

Product Discontinuation Notices

June 1, 2011 No.2011E024

Measuring/Motor Protective Relays

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

Product Discontinuation



K2CG-A-F1



No replacement

Recommended Replacement

Discontinuation date : The end of April, 2011

Product Discontinuation and recommended replacement

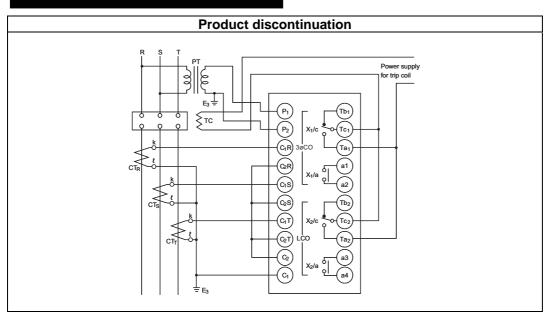
Product discontinuation	Recommended replacement
K2CG-A-F1	No replacement

Body color

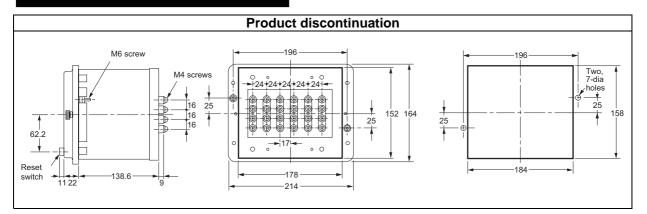
Product discontinuation	Recommended replacement
Black	No replacement

OMRON Corporation Industrial Automation Company

Wire Connection



Dimensions



Terminal arrangement

Product discontinuation		
K2CG-A-F1		
$ \begin{bmatrix} 3-phase CO \\ \hline a_1 \end{bmatrix} \begin{bmatrix} C_1 \\ \hline b_1 \\ \hline c_2 \end{bmatrix} \begin{bmatrix} C_1 \\ \hline b_1 \\ \hline c_2 \end{bmatrix} \begin{bmatrix} C_1 \\ \hline c_2 \end{bmatrix} \begin{bmatrix} C_2 \\ \hline c_2 \end{bmatrix} \hline c_2 \end{bmatrix} \begin{bmatrix} C_2 \\ \hline c_2 \end{bmatrix} \begin{bmatrix} C_2 \\ \hline c_2 \end{bmatrix} \hline c_2 \end{bmatrix} \hline c_2 \end{bmatrix} \begin{bmatrix} C_2 \\ \hline c_2 \end{bmatrix} \hline c_2 \hline c_2 \end{bmatrix} \hline c_2 \end{bmatrix} \hline c_2 \end{bmatrix} \hline c_2 \hline c_2 \end{bmatrix} \hline c_2 \hline c_2 \end{bmatrix} \hline c_2 \hline c_2 \hline c_2 \end{bmatrix} \hline c_2 \hline c_$		

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 M Ω 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 s	standards	JEC-2500; JEC-174A		
Rated curre	nt	50/60 Hz (either is applicable)		
Operating current	Timing element (A)	7 settings: 3, 3.5, 4, 5, 6, 7, and 8	7 settings: 0.25, 0.35, 0.5, 0.7, 1, 1.4, and 2	
setting Instantaneo	Instantaneous element (A)	7 settings: 15, 20, 30, 40, 60, 80, and OFF*	8 settings: 2.5, 3.5, 5, 7, 10, 14, 20, and OFF*	
Operating ti	me 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 pow	ver supply	Not required 110 VAC		
	r consumption			
Input consu	-	-	0.5 VA max. (at 0.25 A)	
Contact cap	pacity	Open circuit capacity 1 A at 110 VD	DC, 1,000 operations (L/R = 0 ms) DC, 1,000 operations (L/R = 0 ms) C, 1000 operations (L/R = 25 ms) C, 1,000 operations (cos \emptyset = 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.