

Current Monitoring Series CMR - Current Control

- Protects against Overload, Phase Reverse, Phase Loss and Phase Unbalance faults
- Wide Range of Sensing Current : 1A-45A
- Models for 1 Phase and 3 Phase systems
- Auto/Manual Reset selection
- Fail-Safe Protection
- Inverse Time model with Underload, Locked Rotor Protection and Selectable Trip Class
- Definite Time model with Underload and selectable Start and Trip time





Ordering Information

Cat. No.	Trip Type	Current	Auto Reset Time
17C112EB0	Inverse	3 A - 9 A	As per trip class
17C212EB0	Inverse	8 A - 24 A	As per trip class
17C312EB0	Inverse	15 A - 45 A	As per trip class
17C412EB0	Inverse	2 A - 5 A	As per trip class
17D112DA0	Definite	3 A - 9 A	6 min
17D212DA0	Definite	8 A - 24 A	6 min
17D312DA0	Definite	15 A - 45 A	6 min
17D412DA0	Definite	2 A - 5 A	6 min

Current Monitoring Series CMR - Current Control



Cat. No.		17C112EB0	17C212EB0	17D312DA0
Parameters				
Supply Voltage (ϕ)		110 - 240 VAC		
Supply Variation		-20% to +10% of (ϕ)		
Frequency		50 / 60 Hz		
Power Consumption (Max.)		5 VA		
Trip Settings	Trip Type	Inverse Time	Inverse Time	Definite Time
	Tripping Class	5, 10, 20, 30	5, 10, 20, 30	N A
	Current Ranges	3 - 9 A	8 - 24 A	15 - 45 A
	Thermal Memory	Yes	Yes	N A
	Underload	40% to 90%	40% to 90%	50%
	Locked Rotor Protection	400% of the set value	400% of the set value	N A
Number of In-Built CT's		1		
Reset Mode		Auto, Manual		
Test Function		Yes		
Time Delay	Start Time	N A	N A	0.2 to 30s
	Delay Time	As per trip class	As per trip class	0.2 to 10s
	Auto Reset Time	3-15 min (As per trip class)	3-15 min (As per trip class)	6 min
	ON Delay	60 ms to 700 ms		
Setting Accuracy		\pm 5%		
Repeat Accuracy		\pm 2%		
Output	Relay Output	1 C/O		
	Contact Rating	5A @ 240 VAC (Resistive)		
	Electrical Life	1 x 10 ⁵		
	Mechanical Life	1 x 10 ⁷		
Utilization Category	AC - 15	Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3.0/1.5 A		
LED Indications		ON: Power ON, UL: Underload, OL: Overload		
Operating Temperature		- 10° C to +60° C		
Storage Temperature		- 25° C to +70° C		
Humidity (Non Condensing)		95% (Rh)		
Enclosure		Flame Retardant UL94-V0		
Dimension (W x H x D) (in mm)		110 X 36.5 X 76.8		
Weight (unpacked) Approx.		210 g		
Mounting		Base Mounting		
Certification		 		
Degree of Protection		IP 20 for Enclosure		

EMI / EMC

Harmonic Current Emissions	IEC 61000-3-2
ESD	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transients	IEC 61000-4-4
Surges	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Voltage Dips & Interruptions (AC)	IEC 61000-4-11
Conducted Emission	CISPR 14-1
Radiated Emission	CISPR 14-1

Environmental

Cold Heat	IEC 60068-2-1
Dry Heat	IEC 60068-2-2
Vibration	IEC 60068-2-6
Repetitive Shock	IEC 60068-2-27
Non-Repetitive Shock	IEC 60068-2-27