

Current Monitoring Series CMR - Current Control





Ordering Information

Cat. No.	Trip Type	Current	Auto Reset Time
17A122CB0	Inverse	3 A - 9 A	As per trip class
17A222CB0	Inverse	8 A - 24 A	As per trip class
17A322CB0	Inverse	15 A - 45 A	As per trip class
17A422CB0	Inverse	2 A - 5 A	As per trip class
17B122AA0	Definite	3 A - 9 A	6 min
17B222AA0	Definite	8 A - 24 A	6 min
17B322AA0	Definite	15 A - 45 A	6 min
17B422AA0	Definite	2 A - 5 A	6 min
17B122PA0	Definite	3 A - 9 A	Instant (< 500 msec)
17B222PA0	Definite	8 A - 24 A	Instant (< 500 msec)
17B322PA0	Definite	15 A - 45 A	Instant (< 500 msec)
17B422PA0	Definite	2 A - 5 A	Instant (< 500 msec)

Current Monitoring Series CMR - Current Control



Cat. No.	17A122CB0	17B222AA0	17A322CB0	
Parameters				
Supply Voltage (ϕ)	220 - 415 VAC (3 Phase, 3 Wire)			
Supply Variation	-20% to +15% of (ϕ)			
Frequency	50/60 Hz			
Power Consumption (Max.)	12 VA			
Trip Settings	Trip Type	Inverse Time	Definite Time	Inverse Time
	Tripping Class	10A, 10, 20, 30	N A	10A, 10, 20, 30
	Current Ranges	3 - 9 A	8 - 24 A	15 - 45 A
	Thermal Memory	Yes	N A	Yes
	Phase Reverse Protection	Yes / (100 ms Approx.)		
	Phase Loss	70% of Unbalance		
	Current unbalance Protection	50% of Unbalance		
	Underload	40% to 90%	50%	40% to 90%
	Locked Rotor Protection	400% of the set value	N A	400% of the set value
	Number of In-Built CT's	2		
Reset Mode	Auto, Manual			
Test Function	Yes			
Time Delay	Start Time	N A	0.2 to 30s	N A
	Delay Time	N A	0.2 to 10s	N A
	Auto Reset Time	3-15 min (As per trip class)	6 min	3-15 min (As per trip class)
	ON Delay	450 ms (\pm 50ms)		
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	Separate indications for Phase Asymmetry, Phase Loss & Phase Sequence / Reverse, Power ON, Underload & 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			

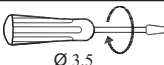

EMI / EMC

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

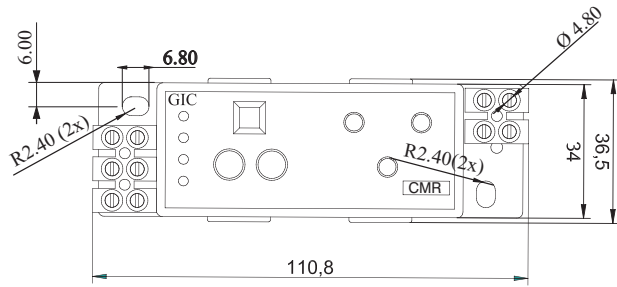
TERMINAL TORQUE & CAPACITY

 Ø 3.5	0.45 N.m (4 Lb.in)
	1 x 2.5 mm ² Solid Wire/Stranded
AWG	1 x 22 to 12

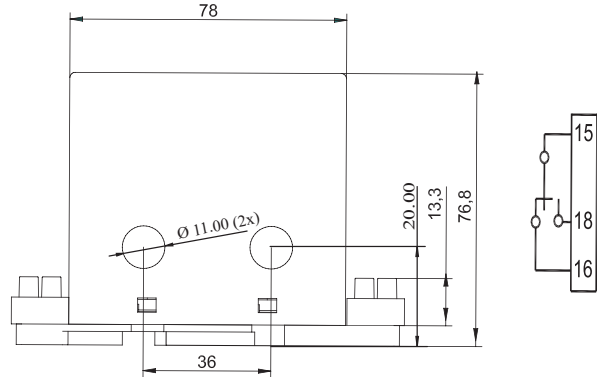
Note: 2 A - 5A products can be used with external CT. Load wires to be passed through the external CT and Secondary's wire terminals are to be looped through the Product CT.

Current Monitoring Series CMR - Current Control

MOUNTING DIMENSION (mm)

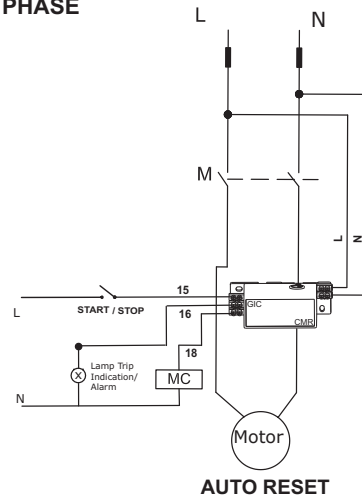
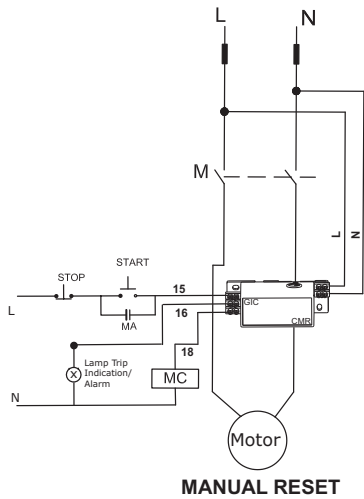


RELAY CONNECTION DIAGRAM



CONNECTION DIAGRAM

SINGLE PHASE



THREE PHASE

