- 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



Cat. I	No.	17C112EB0	17C212EB0	17D312DA0	
Parame	ters				
Supply \	Voltage (⇌)	110 - 240 VAC			
Supply \	√ariation √ariation	-20% to +10% of (中)			
Frequen	су	50 / 60 Hz			
Power C	Consumption (Max.)	5 VA			
	Trip Type	Inverse Time	Inverse Time	Definite Time	
	Tripping Class	5, 10, 20, 30	5, 10, 20, 30	NA	
	Current Ranges	3 - 9 A	8 - 24 A	15 - 45 A	
Trip	Thermal Memory	Yes	Yes	NA	
Settings	Underload	40% to 90%	40% to 90%	50%	
	Locked Rotor Protection	400% of the set value	400% of the set value	NA	
Number	of In-Built CT's	1			
Reset M	lode	Auto, Manual			
Test Fur	nction	Yes			
	Start Time	N A	NA	0.2 to 30s	
Time	Delay Time	As per trip class	As per trip class	0.2 to 10s	
Delay	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 A	Accuracy	± 5%			
Repeat /	Accuracy	± 2%			
	Relay Output	1 C/O			
Output	Contact Rating	5A @ 240 VAC (Resistive)			
Output	Electrical Life	1 x 10⁵			
	Mechanical Life	1 x 10 ⁷			
Utilizatio	on Category AC - 15	Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3.0/1.5 A			
LED Ind	ications	ON: Power ON, UL: Underload,	OL: Overload		
	ng Temperature	- 10° C to +60° C			
Storage	Temperature	- 25° C to +70° C			
Humidity	y (Non Condensing)	95% (Rh)			
Enclosu	re	Flame Retardant UL94-V0			
Dimensi	on (W x H x D) (in mm)	110 X 36.5 X 76.8			
Weight ((unpacked) Approx.	210 g			
Mountin	g	Base Mounting			
Certifica	ition	CE ROLLS Compliant			
Degree	of Protection	IP 20 for Enclosure			

EMI / EMC

Harmonic Current Emissions ESD	IEC 61000-3-2 IEC 61000-4-2
	IEC 61000-4-3
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



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



Cat. N	No.	17A122CB0	17B222AA0	17A322CB0	
Paramet	ters				
Supply V	/oltage (中)	220 - 415 VAC (3 Phase, 3 Wire)			
Supply Variation		-20% to +15% of (中)			
Frequen		50/60 Hz			
	Consumption (Max.)	12 VA			
	Trip Type	Inverse Time	Definite Time	Inverse Time	
	Tripping Class	10A, 10, 20, 30	NΑ	10A, 10, 20, 30	
	Current Ranges	3 - 9 A	8 - 24 A	15 - 45 A	
Trip	Thermal Memory	Yes	N A	Yes	
Settings		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 Fun	nction	Yes			
	Start Time	NA	0.2 to 30s	N A	
Time	Delay Time	NA	0.2 to 10s	N A	
Delay	Auto Reset Time	3-15 min (As per trip class)	6 min	3-15 min (As per trip class)	
	ON Delay	450 ms (±50ms)		,	
Setting A		± 5%			
	Accuracy	± 2%			
·	Relay Output	1 C/O			
O44	Contact Rating	5A @ 240 VAC (Resistive)			
Output	Electrical Life	1 x 10 ⁵			
	Mechanical Life	1×10^7			
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			
Certificat	tion	C (RoHS Compliant			
Degree of Protection		IP 20 for Enclosure			

EMI / EMC

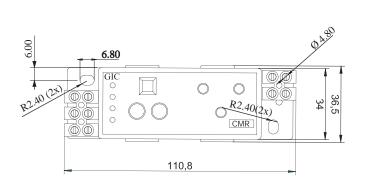
Harmonic Current Emissions	IEC 61000-3-2
ESD	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transients	IEC 61000-4-4
Surges	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Voltage Dips & Interruptions (AC)	IEC 61000-4-11
Conducted Emission	CISPR 14-1
Radiated Emission	CISPR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

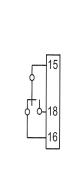
Note: 2 A - 5A products can be used with external CT. Load wires to be passed through the external CT and Secondary's wire terminals are to be looped through the Product CT.

MOUNTING DIMENSION (mm)



RELAY CONNECTION DIAGRAM

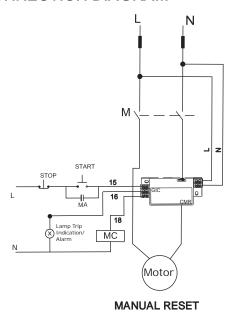
Ø 11.00 (2x)



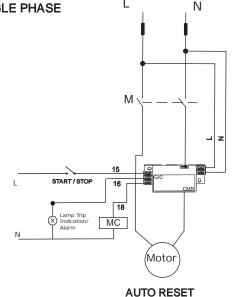
13,3

8,97

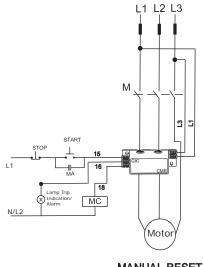
CONNECTION DIAGRAM

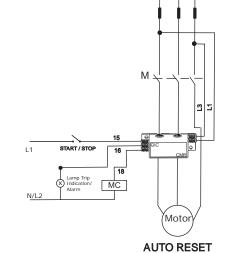


SINGLE PHASE



THREE PHASE





L1 L2 L3

MANUAL RESET