

**Display Specifications**

No of LED	3 1 Green LED for Power on 1 st Red LED for Current indication 2 nd Red LED for Voltage indication
No of Knobs	4 NEMA Class Selection AT : Trip Time Setting OC : Over Current Setting DR : Dry Run Current
Keys	2 Keys 1 Test 2 - Reset (Press 3 sec to set to factory settings)

LED Indication Chart

Conditions	Power ON (Green)	Current (1 st Red LED)	Voltage (2 nd Red LED)
Healthy	ON	OFF	OFF
Over Voltage	ON	OFF	BLINKING
Under Voltage	ON	OFF	ON
Over Current	ON	BLINKING	OFF
Under Current	ON	ON	OFF
Phase Loss	ON	BLINKING	BLINKING
Locked Current	ON	BLINKING	ON
Overload	ON	ON	ON

Input Specifications**Measuring Range**

A) Motor Rated Current Measuring
B) Voltage Measuring Range 300-V NAC (L

Time Setting

Power ON Delay 1sec (Fixed)
Trip Time Delay 0, 2, 4, 6, 8 & 10 sec
(Current & Voltage parameters)
Auto Reset 15 min
(Current & Voltage parameters)
Phase Trip Time Instantaneous (<120ms)
Auto Reset Time 3 (Fixed)
Reset Time Frame Over time 60 min

Hysteresis

Voltage Fixed (6V)

(Not applicable for current parameters)

Accuracy	± 5% of rated current
Current Accuracy	± 1% of 300V
Voltage Accuracy	± 5% ± 100msec
Functional Specification	
Over Load	NEMA Class 5, 10, 15, 20, 30
Over Current Range	0% - 70% of Ir (Rated Current)
Under Current	20% - 80% of Ir (Rated Current)
Locked Current / Stalled Current	0% - 100% of Ir (Rated Current)
Over Voltage	Fixed (280V)
Under Voltage	Fixed (180V)
Phase Loss	Yes (<160V)

Output Specifications

Control Output	1 NO Relay
Relay Rating	30A@277V AC

Auxiliary Supply Specifications

Operating Voltage Range	180 to 300-V NAC (L
Power Consumption	40W (Max)
Frequency	50 - 60Hz

Environmental Specifications

Temperature	Operating range 0°C to 50°C
Storage Temperature	-20°C to 60°C
Humidity (Condensing)	Up to 95% RH

Mechanical Specifications

Mounting	DIN Rail Mount
Wire Size (max)	4 sq.mm
Size	66.50 x 70 x 90 (H x W x L)
Screw tightening torque	0.5 N-M
Weight	190 gms approx