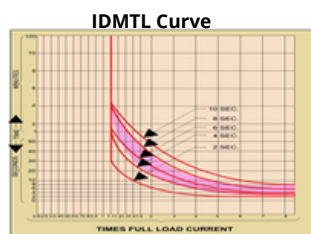
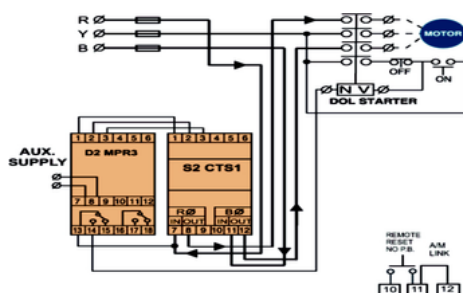


TECHNICAL DATA SHEET FOR D2 MPR3

minilec[®]



D2 MPR3 is operating on Negative Sequence Current Component sensing principle. It offers protections against Phase Failure, Phase Sequence Reversal, Current Unbalance, Over load & Under Current (Dry Run)



Selection Chart for S2 CTS1

HP	KW	Amp	S2 CTS1
<0.75	<0.5	0.5-1.25	S2 CTS1/1.25
<1.75	<1.30	1-2.5	S2 CTS1/2.5
<3	<2.25	2-5	S2 CTS1/5
<6	<4.5	4-10	S2 CTS1/10
<12.5	<9.4	8-20	S2 CTS1/20
<30	<22.5	16-40	S2 CTS1/40
<60	<45	32-80	S2 CTS1/80

Technical Specifications of D2 MPR3

Sr. No.	Parameters	Specifications
1	System Supply	220 - 240 / 380 - 440 V AC \pm 20%
2	Auxiliary Supply	100 - 120 / 220 - 240 / 380 - 440 V AC \pm 20%
3	Frequency	48 Hz. - 63 Hz.
4	Power Consumption	22 VA max.
5	Output Relay Contacts	2 CO.
6	Outout Contact Rating	5 A @ 240 V AC [resistive].
7	Life Expectancy	0.5×10^6 operations at 100% rating.
8	Phase to Phase Current Unbalance	50% \pm 10% of motor Current (fixed).
9	Phase Sequence Reversal	Yes.
10	Under Current (Dry Run)	40% - 80% \pm 5% of set current (Site Selectable).
11	Overloading	2 / 5 / 10 / 15 / 20 sec. IDMTL Curve Selectable.
12	Trip Time Delay	Phase Failure / Reverse Phase : 4.0 \pm 1.0 sec.
		Dry Running : 4.0 \pm 1.0 sec.
		Over Loading : As per selected IDMT
13	Set Accuracy	\pm 5% of set value.
14	Resetting	Auto / Manual / Remote.
15	Indications	ON : Green : Power ON.
		PF : Red : Phase Failure / Unbalance.
		OL : Red : Overload.
		UC : Red : Dry Running.
16	Dimensions (in mm)	Overall : 76 x 56.5 x 117.5.
		Mounting : 67 x 46. 35 mm rail / Panel mounting.
17	Operating Conditions	Temperature : - 5 $^{\circ}$ C to + 60 $^{\circ}$ C.
		Humidity : Upto 95% Rh.
18	Unit Weight in gms.	250 gms. Approx.
19	Sensor Weight in gms.	140 gms. For S2 CTS 1/5, S2 CTS 1/10, S2 CTS 1/20, S2 CTS 1/40, S2 CTS 1/80.
		320 gms. For CTS 120 pair.

Suitable for Applications like :

- AC & R Machines • Screw Compressors • Lift, Elevators • Hoist & Cranes • Crusher Motors • Mining M/c
- Pumps • End Users etc.

Our Other Products:

Alarm Annunciator, Motor/Pump Protection Relays, EOCR, EMPR, Phase Failure Relay + UV / OV Relays, Voltage/Current/ Frequency/Reverse Power Monitoring Relays, Pump Automation Management system & Controllers, Water Level Controller, Electronic Timers, Power Line Transducers (V/I/KW/Multi-function/DC-DC Isolators or Barrier/Temp/Resistance/Tap position etc.), Multi-function Meter, Twin Window/Split AC Controller, Bearing temp Monitoring relays(PT-100)