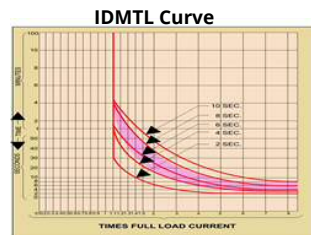
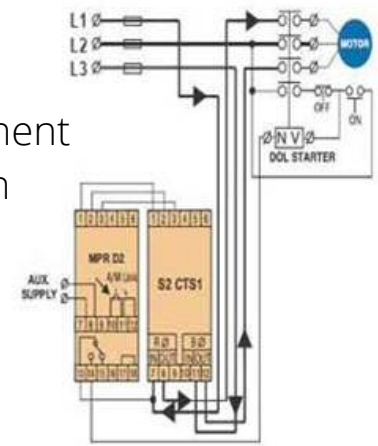


# TECHNICAL DATA SHEET FOR MPR D2

**minilec**<sup>®</sup>



**MPR D2** is operating on Negative Sequence Current Component sensing principle. It offers protection against Phase Failure, Phase Sequence Reversal, Current Unbalance & Over Load.



**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 MPR D2

Sr. No.	Parameters	Specifications
1	System Supply	220 / 230 / 240 / 380 / 415 / 440 V AC $\pm$ 20%
2	Auxiliary Supply	24 / 110 / 220 / 230 / 240 / 380 / 415 / 440 V AC $\pm$ 20%
3	Frequency	50 Hz. / 60 Hz. $\pm$ 3%
4	Power Consumption	3 VA max.
5	Output Relay Contacts	1 CO / (2 CO.)
6	Outout Contact Rating	5 A @ 240 V AC [resistive].
7	Life Expectancy	$0.5 \times 10^6$ operations at 100% rating.
8	Phase to Phase Current Unbalance	50% $\pm$ 10% of motor Current (fixed).
9	Phase Sequence Reversal	Yes.
10	Test Push Button Delay	Less than 2 Sec.
11	Overloading	2 / 5 Link selectable IDMTL Curve for 1 CO unit & fixed for 2 CO unit.
12	Trip Time Delay	Phase Failure / Reverse Phase / UB : $5.5 \pm 1.5$ sec. Over Loading : As per selected IDMTL.
13	Set Accuracy	$\pm$ 10% of set value.
14	Resetting	Auto / Manual / Remote.
15	Indications	ON : Green : Power ON. SP : Red : Phase Failure / Unbalance / Reverse Phase OL : Red : Overload.
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.	440 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 • MCC Panels • SPM etc.

### Our Other Products:

Alarm Annunciator, Motor/Pump Protection Relays, EOGR, 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)