

TECHNICAL DATA SHEET

MICROPROCESSOR BASED MOTOR PROTECTION RELAY - F3 MPR1



Supply Voltage
System Supply : 220-440 V AC \pm 20%, 45-65Hz
Auxiliary Supply : 90-270v AC / DC

Output Contacts : 2 CO
Serial Communication : Provision of RS485 Output

Input : External CTS (CT5/CT20/CT50)

Trip Setting (Volts)

Protection Parameter	Setting Range	Trip Delay	LCD Display	Resetting Mode
Over load Trip Setting As per IDMTL Char	2/5/10/15/20 Sec	N.A	Over Load	Manual
Unbalance Trip Setting	20% 60%	1-10 Sec	Current Unbalanced	Multi Attempt
Phase Failure	N.A	1-10 Sec	Current S.P	Multi Attempt
Reverse Phasing	N.A	Instant Phase	Reversal	Manual
Under Current	30%-90%	1-60 Sec	Under Current	Multi Attempt
Over Current	300%-800%	2-25 Sec	Over Current	
Lock Rotor	200%-500%	1-10 Sec	Rotor Lock	Manual
Earth Fault Setting	30%-80%	0.5 - 10 Sec	Earth Fault	Manual
Over Temp.	70° to 180°	1-20 Sec	Sensor Fault Motor Temp. High	Auto/ Manual

Display : 16x2 (Back lit LCD Display)

Dimensions (mm)

Over All (LXWXD) : 96 x 96 x 80

Mounting (L x W) : Panel Mounting 92 x 92

Wherever not specified

Contact Rating: 5A @ 230 V AC (resistive) * CE marked products available on request.

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