



MIP - 6

Motor Insulation Protection Relay

The MIP-6 accurately monitors and records the insulation levels of low and medium voltage motors to protect the life of your motor. The MIP-6 includes actual insulation readings, average values, and max/min values that can be viewed and used to gauge the deterioration trends within your motor.



Advanced Features

- Measures actual motor insulation resistance
- Automatic DC Test Voltage, limited to 48VDC for Personnel / System safety
- Upon fault, Alarm or Trip program prevents the motor from re-starting
- Alarm / Trip Setpoints programmable in Mohms
- Programmable time delays for Alarm or Trip
- Illuminated LCD displays shows the insulation readings (present on-line, average, or max/min)
- Time Stamped Storage History (Accessible on LCD or via MODBUS). Average insulation information includes:
 - o Hour by hour for previous 24 hours
 - o Day by day for previous 31 days
 - o Month by month for previous 256 months
 - o Year by year for previous 21 years
- Six (6) Programmable Digital Inputs
- Six (6) Programmable Digital Outputs: 4 Form A (N.O., 5A/250VAC), 2 Form C (N.O./N.C., 8A/250VAC)
- RS-485 Communications with MODBUS
- Control Voltage: 85-230VAC/DC (50/60Hz)
- Operating Temperature: 0°C to 50°C

How to Order

Example:

MIP-6 - LV - M

Voltage

LV = 230-690VAC

MV1 = 690-7200VAC

MV2 = 7200-13800VAC

Options

5 = Analog Output

8 = Conformal coating

M = Modbus



Medium Voltage Soft Starters

Product	Description	Ratings
HRVS-DN	Digital, Heavy Duty	2300-15000V, up to 15MW
HRVS-DN MEGA	Digital, Heavy Duty, High Power	2300-15000V, up to 15-50MW
DriveStart	Digital, IGBT-Based Starter	2300-6600V, 60-500A

Low Voltage Soft Starters

Product	Description	Current & Voltage Range	Bypass	Controlled Phases
RVS-DX	Digital, Standard Duty	8-170A, 230-600V	Internal	3-Phase
RVS-DXM	Digital, Standard Duty	210-1100A, 208-690V	Internal	3-Phase
RVS-DN	Digital, Heavy Duty	8-3000A, 230-1200V	External	3-Phase
RVS-AX	Analog, Standard Duty	8-170A, 230-600V	Internal > 31 A	3-Phase
Solstart	Compact Analog, Standard Duty	8-58A, 230-600V	Internal	2-Phase

Motor Protection

Product	Description	Monitors
MPS-3000	Full motor protection for medium voltage or low voltage motors	All three phase currents, voltages and up to 10 RTD inputs
TPR6-14	RTD relay	Accepts up to 14 PT100 RTD inputs or thermistor inputs
MIP	Motor insulation protection system	Monitors MV or LV motors. Provides status indication (alarm and trip)

DC Injection Brakes

Product	Description	Current & Voltage Range
Solbrake	Controlled stopping of 3 phase motors	10-820A, 230-690V

SCR Power Controls

Product	Description	Current & Voltage Range
TPS	Low voltage SCR power controller for resistive loads	8-1500A, 230-1000V
MV-TPS	Medium voltage SCR power controller for resistive loads	60-300A, 4160-6600V

MEETING YOUR NEEDS ACROSS INDUSTRIES



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