

SI-MPR3

Motor Protection Relay

Comprehensive Motor Protection and Control Package

The **SI-MPR3** delivers a complete motor protection and control package. Monitoring 3-phase currents and voltage together with 10 RTD/Thermistor temperature inputs it provides an ideal solution for Medium and Large Low Voltage Motors.

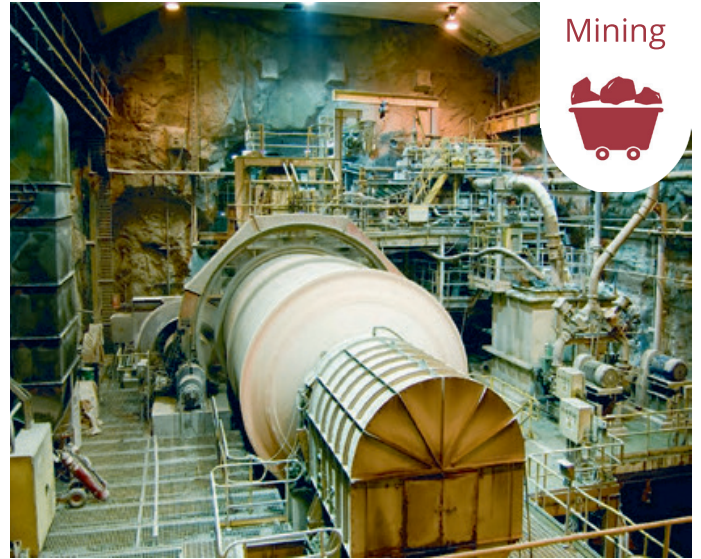




Water



- » Pumps
- » Water Pumps
- » Sewage Pumps



Mining



- » Pumps
- » Conveyors
- » Compressors
- » Fans
- » Ball Mills
- »And More



Process



- » Pumps
- » Conveyors
- » Compressors
- » Hydr' Power Packs
- » Mixers
- »And More



Marine



- » Pumps
- » Chillers
- » Thrusters
- » Propulsion Motors



Oil & Gas



- » Pumps
- » Compressors
- » Fans



HVAC



- » Pumps
- » Fans
- » Chillers

Advanced Features

- » Monitoring 3 temperature inputs, 3-phase current, voltage and energy
- » Power measurement (3-phase voltage measurement)
- » Statistical data last 10 trips -time / date stamp
- » RTD bias for thermal overload
- » Multiple Thermal Overload curves
- » Too Many Starts pre-alarm, configurable to energize dedicated output relay
- » Capture and display of min and max RMS, average of 3-phase current, one voltage, min and max frequency
- » Ground Fault setting during start eliminates nuisance trips
- » MODBUS communication, remote parameter programming, control and supervision.
- » Programmable discrete inputs/output
- » 4 programmable analog outputs

Protection Package

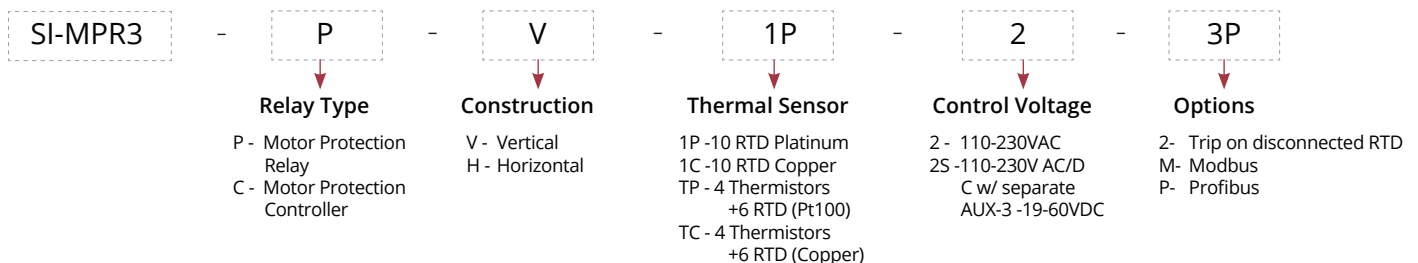
ANSI/IEEE C37.2 PROTECTIONS		
3	Communication failure / Internal failure	✓
27	Under-voltage	✓
32L	Under Power Level 1/2	✓
37	Under current Level 1/2	✓
46	Current Imbalance Level 1/2	✓
47	Phase sequence/loss	✓
48	Max. Start Time	✓
49R	High Temp. Level 1/2, sensors 1-10	✓
49/51	Thermal Capacity Level 1/2	✓
50	Over Current Level 2 - Short	✓
50G	Ground Fault Level during starting	✓
50G/N	Ground Fault Level 1/2	✓
51L	Load Increase - Alarm	✓
51R	Over Current Level 1 - Jam	✓
55	Lead / Lag PF / Low Power Factor	✓
59	Over-voltage Level 1/2	✓
66	Too Many Starts Level 1	✓
74	Welded contactor (MPS 3000c)	-

Models

Model	Unit Dimensions (mm)			Weight (kg)
	H	W	D	
Vertical	310	134	140	3.1
Horizon	140	310	134	

How To Order

Example:



Global Presence

With a network of more than 100 partners worldwide, the Solcon-IGEL brand is well represented across the globe.

As a global leader in solid state motor soft starters and control systems for applications that run across the scope of the industrial landscape we are constantly expanding our portfolio of products and services using the expertise and market knowledge that we have acquired over the years.

Solcon-IGEL's experience guarantees that our products are the right choice for any application.

Together with our partners we assure safety, efficiency and reliability.

Meeting your needs across industries



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