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Mining, Quarries and Cement Applications



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The advantages of using Solcon soft-starters and protection relays in the Mining, Quarry and Cement industries are derived from extensive experience in over 50,000 installations world-wide.



Applying Solcon soft-starters provides:

- A complete product line 8-3000A, 208-15000V from a single supplier
- Soft-starting systems for Asynchronous, Synchronous and Slip-ring motors
- A variety of choices for severe, heavy and standard duty applications
- A Robust construction, pre-designed for harsh environments
- Soft, smooth, step-less acceleration and deceleration
- Superior starting & stopping characteristics for low and medium voltage motors
- Comprehensive, built-in motor protection package
- User friendly operation
- Full description LCD display

Unique optional features:

- Motor insulation protection
- Analogue output and thermistor input
- Special treatment for harsh environments
- Unique soft-starter designs for a variety of OEM's
- RS-485 Communications with Modbus, Profibus and Modbus-TCP
- Unique designs utilizing none aluminum metals (for combustive atmosphere)

Applications

Conveyors
Pumps and Slurry Pumps
Ventilation Fans & Blowers
Compressors
Crushers & Hammer mills
Pocket Elevators

HRVS-DN

Medium Voltage Soft-Starter,
for Asynchronous and
Synchronous Motors
50-2700A, 1500-15000V



Static Exciter

Range:
60-240Vdc, 40-1000A



Dual Feed, 4 Motor Multistart



RVS-DN

Digital Soft-Starter
8-3000A, 200-1000V
Severe and heavy duty



TPS

Thyristor Power
Controller (Heaters)
Zero Crossing and
Phase Control



RVS-EX

8-3000A, 208-1000V
for **ExplosionProof** motors



RVS-DN

8-3000A, 1000V
Stainless Steel and
Copper construction
for severe mining
environments



MPS-3000 Motor Protection and Control Relay



Applying Solcon protection relays, provides:

Ultimate range of motor protection relays, covering; Medium and Low Voltage motors ranging, up to 22000V, 2000A and 14 temperature sensors. Main features for the complete protection relay product line:

Model name	Type	Motor control	Voltage range	Current range	Voltage input	Current input	Temp sensors	Comm
MPS	3000-P	No	22000V	2000A	3	4	10	Modbus+Profibus***
MPS	3000-C	Yes	22000V	2000A	3	4	10	Modbus+Profibus***
MPS	6-C	Yes	690V	2000A	1	4	3	Modbus+Profibus***
MPS	6-P	No	690V	2000A	1	4	3	Modbus+Profibus***
MPR	DGF	No	*	1000A	*	4	3	Modbus
MPC	6	Yes	690V	1000A	1	3	1	Modbus
TPR	6	No	**	NA	NA	NA	6 or 14	Modbus
MIP	6	No	13800V	NA	NA	NA	NA	Modbus

* Open Delta VT input zero sequence voltage

** Applicable for all ranges

*** Consult factory for Profibus availability