Datasheet

Pempek
made for mining

L0MR0401 DC Smart Drive Auto-Reversing SCR 50-kW 550V

The L0MR0401 3-Phase 45kW SCR Drive is a precision drive module designed to support industrial DC drive applications without the need for external DC contactor or overload module support.

By utilizing a rugged communications interface and advanced DSP technology, these drives represent the avant-garde in SCR DC drive technology.

Intelligent Digital SCR Drive
- 110V Control Logic Supply
- 550V RMS Drive Supply
- 700V in voltage mode
- Variable output to 400A peak in current mode
- Forward & Reverse Motor Control
- Full Digital Signal Processor Control
- True Closed Loop Control
- Embedded Thermal Overload Protection
- Embedded Phase Imbalance Protection
- Embedded Phase Loss Protection

Embedded Diagnostics
- Reports 3-Phase Line Voltage & Current
- Shaft Encoder support for RPM measurement
- External Temperature Measurement via two Wire PT100 support
- Internal Temperature Measurement

Embedded 110VAC Relay Output
- 1 x N/C 110VAC Relay for Transformer Contactor isolation control (Designed for in series wiring)
- Microprocessor Controlled

CAN Network
- Opto-Coupler Isolation
- CAN 2.0B Compatible

Operates -10°C to +85°C
- All industrial components

Heavy Duty Enclosure
- Electroless Nickel Plated Mild Steel
- Alodined Aluminum Heat Transfer Base
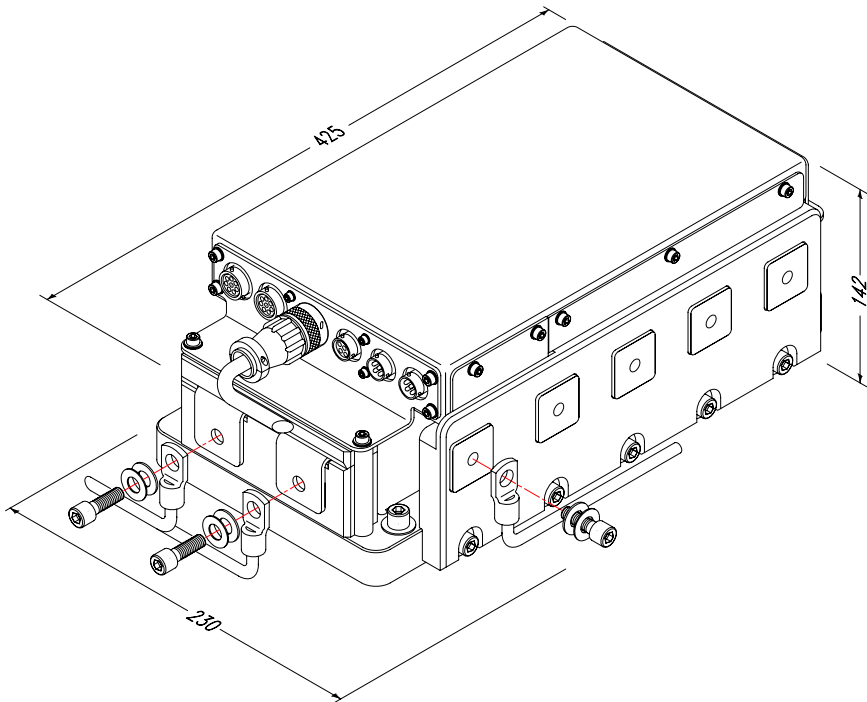- Rugged Construction

Please Note: Various other custom configurations are available to support wide range of voltage and current options.
Please consult the factory for more details.

Typical Application

- Continuous Bolter/Miners
- Continuous Haulage
- Mobile Bolters
- Mobile Roof Supports
- Remote Control Scoops
- Remote Control Loaders
- Any industrial DC Motor application within power specification

Dimensions (mm)

DC Smart Drive Connector Cable Assemblies

Part Number	Description
H0MR0201	DC Connector Assembly 39A
H0MR0301	DC Connector Assembly 39B
H0MR0401	DC Connector Assembly 40
H0MR0501	DC Connector Assembly 39A to 39B
H0MR0601	DC Connector Assembly A2 to A2
H0MR0701	DC Connector Assembly 38 CAN-Address-0
H0MR0801	DC Connector Assembly 38 CAN-Address-1