

## L0MR0301 DC Smart Drive Auto-Reversing SCR 45kW - 350-volt Version

The L0MR0301 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
- 350V RMS Drive Supply
- Variable output to 400V 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



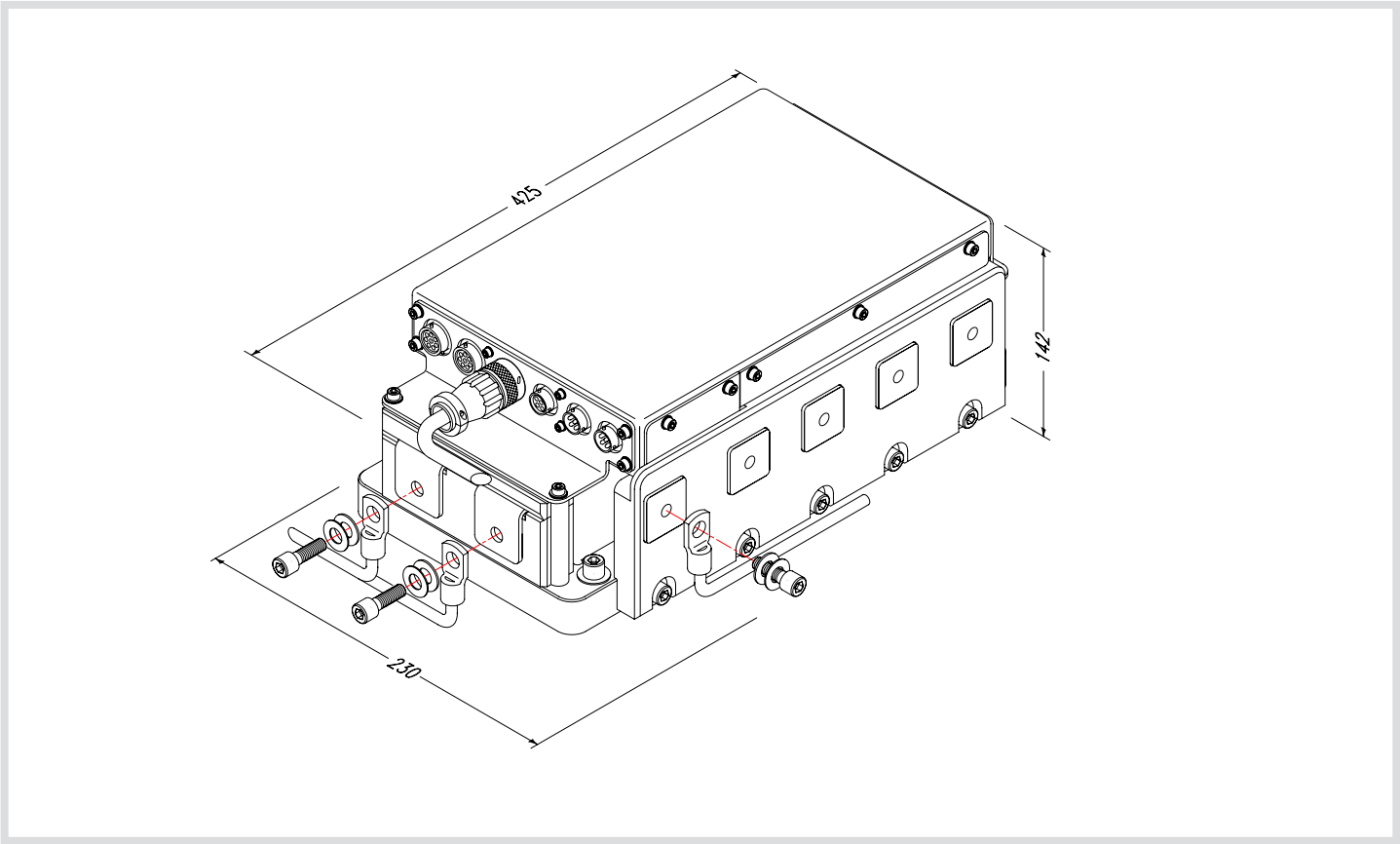
Please Note: Various other custom configurations are available to support wide range of voltage and current options. Please consult the factory for more details.

### 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

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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