LOMR0301 DC Smart Drive Auto-Reversing SCR

The LOMR0301 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

Datasheet-LOMR0301

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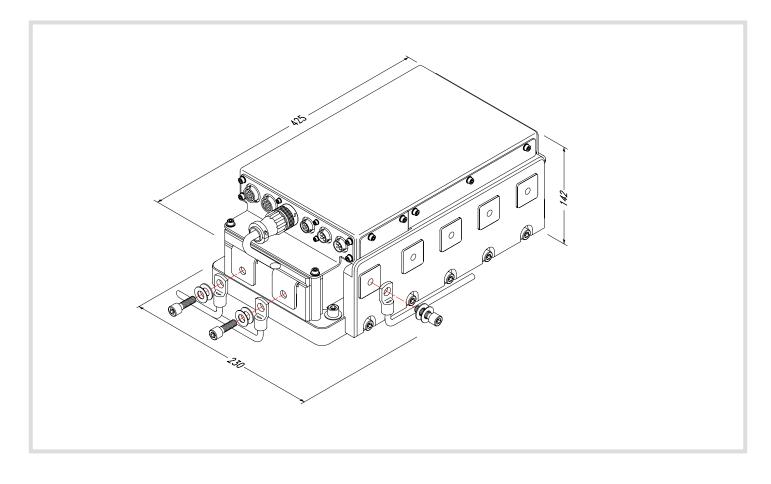
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LOMR0301 DC Smart Drive Auto-Reversing SCR 45kW - 350V

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 |

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