



SMLC with Integrated Servo Drive

The SMLC-SA combines ORMEC's high-performance drive technology with the IEC-61131-3 programming capabilities of the SMLC controller into a single, compact, cost-effective package. Standard PLCOpen motion control function blocks reduce your software development costs and powerful ORMEC extensions make solving your toughest motion applications a snap. Application-specific function blocks such as Reciprocating Flying Shear and Rotary Knife are available to provide solutions right out of the box.

A total of fourteen models cover an output power range from 600 watts to 24,000 watts. The SA230 series offers eight models with continuous output currents from 2.5 to 60 amps RMS/phase for 115 to 230 VAC input. The SA460 series offers six models with continuous output currents from 5 to 50 amps RMS/phase for 230 to 460 VAC input.

The SMLC-SA uses the same development and commissioning tools as the SMLC product line, providing seamless scalability from one to sixteen axes. The CoDeSys Integrated Development Environment (IDE) and runtime engine are world class IEC-61131-3 tools used in hundreds of products worldwide. These are robust, full-featured tools with extensive diagnostic capabilities. ServoWire Pro is an easy to use, integrated suite of configuration, diagnostic and maintenance utilities to assist in the commissioning of the drive.

In addition to the built-in I/O there is a complete line of networked I/O expansion modules available based on Ethernet that can handle thousands of I/O points. HMI and factory networking support is provided via built-in Modbus/TCP as well as via the free OPC server.



The ServoWire Motion & Logic Controller - Single Axis (SMLC-SA) is a standard off-the-shelf, cost-effective control platform. Program motion control and logic using standard IEC 61131-3 tools. PLCOpen standard motion control function blocks plus powerful ORMEC extensions reduce your software development costs and bring new levels of motion performance to single-axis applications.

KEY FEATURES

- Powerful enough to control your entire machine.**
- Program logic and motion using all five IEC 61131-3 languages.**
- Application-specific function blocks provide solutions right out of the box.**
- Broad power range, 600 to 24,000 watts (30+ horsepower).**
- Broad input voltage range, 115 to 480 VAC.**
- High performance Intel processor.**
- Reliable, robust, QNX real-time operating system.**
- Industrial, all metal enclosure.**
- Removable program storage (compact Flash).**
- Built-in I/O: 27 digital and 4 analog, expandable to thousands.**
- Two Ethernet and two serial ports included.**

