Press Release

Rexroth IndraControl XM21/22 programmable logic controller integrates I/O for speed, flexibility

New control hardware combines the speed of the Sercos automation bus with Rexroth’s IndraControl S20 I/O series into one functionally complete and modular control system.

▶ Easy and flexible system configuration with modular I/O expansion
▶ High-performance data processing
▶ Scalable firmware for motion logic applications

Bosch Rexroth’s IndraControl XM21/22 programmable logic controller

Easy and flexible system configuration with modular I/O expansion

Bosch Rexroth’s IndraControl XM21/22 programmable logic controller (PLC) combines the speed of the Sercos automation bus with Rexroth’s IndraControl S20 input/output (I/O) series for one functionally complete and scalable control system.
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Ideal for all factory automation and motion logic applications, the IndraControl XM platform is easy to configure and features high-performance real-time data processing capabilities. The controller is available with either an Intel® 600 or 1,300 MHz ATOM processor, along with an onboard Sercos master featuring a cycle time of 250 µs.

By integrating the company’s modular IndraControl S20 I/O series into the controller, Rexroth adds to the flexibility of the control system. Optional extension modules further expand the integration options, while a service-friendly design reduces installation costs.

Decentralized I/Os, drives and additional system machinery are connected via Ethernet-based Sercos as a universal automation bus for system-wide networking. Enhancing the scalability, the XM controller uses Rexroth’s standard IndraMotion MLC system firmware for motion logic applications.

Compatible with a wide range of control topologies, Rexroth’s IndraControl S20 I/O units feature short module reaction times of 1 µs per module for efficient production cycles and real-time signal processing of measuring systems and intelligent sensors, even under extreme conditions.

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