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Rexroth IndraControl XM series programmable logic controllers integrate I/O for speed and flexibility

For Immediate Use

The IndraControl XM control family combines the speed of the Sercos automation bus with Rexroth's IndraControl S20 I/O series in one functionally complete and modular control system



Bosch Rexroth's IndraControl XM21/22 programmable logic controller further contributes to the speed and flexibility of the IndraControl XM series.

The Rexroth family of programmable logic controllers, XM 21/22/42 integrates the modular IndraControl S20 I/O series into the controller. When combined with the Sercos automation bus, speed and flexibility are added to make one functionally complete and scalable control system. The IndraControl XM platform is easy to configure and features high-performance real-time data processing capabilities.

IndraControl XM 21/22: Easy and flexible system configuration with modular I/O expansion

Bosch Rexroth's IndraControl XM21/22 programmable logic controllers (PLC) combine the speed of the Sercos automation bus with the IndraControl S20 input/output (I/O) series for one functionally complete and scalable control system. The controllers are available with either an Intel® 600 or 1,300 MHz ATOM processor

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(XM21/22), along with an onboard Sercos master featuring a cycle time as low as 250 µs.

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The XM 42: Highest Performance for High End Automation

Rexroth's IndraControl XM42 expands the XM range to provide scaled modularity and a fully functional control system for more demanding factory automation applications. The XM42 is a modern control platform with a powerful Intel Core i Dual Core processor and on-board Sercos master for clocked fieldbus connections.

Flexibility, high performance real-time processing

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.

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 by 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, the 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.

Ready for Connected Industry

The XM21/22/42 controllers were built with connected industry in mind. All fully utilize the features of Rexroth's Open Core Interface, opening the door to multiple software development environments using a standard SDK, tailored for each development software. This allows integration into a wide range of systems, for a truly connected solution.

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For more information on the IndraControl XM series, visit www.boschrexroth-us.com/XM.

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About Bosch Rexroth:

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile Applications, Machinery Applications and Engineering and Factory Automation. With its intelligent components, customized system solutions and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries, more than 32,300 associates generated sales revenue of roughly 6.2 billion euros (\$7.3 billion) in 2018.

To learn more, please visit www.boschrexroth-us.com.

About Bosch:

The Bosch Group is a leading global supplier of technology and services. It employs roughly 410,000 associates worldwide (as of December 31, 2018). According to preliminary figures, the company generated sales from operations of 77.9 billion euros (\$92 billion) in 2018. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility and connected manufacturing. It uses its expertise in sensor technology, software and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to deliver innovations for a connected life. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. At 125 locations across the globe, Bosch employs some 69,500 associates in research and development.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-press.com, www.twitter.com/BoschPresse.

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