

Press Release

Flexible control for winches and cranes

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PI 074-14
For Immediate Use



The new control solution from Rexroth can be quickly and easily implemented in winch and crane systems.

Working on the basis of years of industry experience in the control of hydraulic winches and cranes, Rexroth has developed a new control solution that is suitable for both simple and complex winch and crane drives. Designers can generate new systems quickly and flexibly with it.

The control system from Rexroth can easily be connected to the customer's system using predefined interfaces. Numerous hardware variants in the form of an extensive modular system allow the designer maximum flexibility and reduce costs and errors during commissioning by means of a simple "plug-and-play" interface.

In the software, for example, the designer can access standardized modules for control functions. Integrated security features ensure compliance with the required safety level. The modular structure of the software makes using the control system very flexible, in both simple and complex applications. The designer can freely choose the degree of networking, also in terms of security features, according to the specific application requirements.

For example, for applications with a hydraulic power unit and a single winch drive Bosch Rexroth offers with this solution a cost-effective and extremely compact integrated control system, based on its BODAS RC28-14/30 controller.

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Originally developed for mobile applications, the controller is designed especially for use in harsh environments, as it can withstand large temperature changes as well as vibrations and shocks. The control solution is also very compact and can be installed saving space on deck for workboats or platforms.

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Modifications, enhancements, and the interface to the customer's system can be tested and adjusted by the designer directly on a test stand provided by Rexroth. This saves an expensive commissioning and testing of the solution on board the ship.

Based on proven technology, field-tested components and validated software, Rexroth's control solution enables engineers to develop crane and winch systems with optional active heave compensation faster and cheaper.

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 drives and controls, 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 30,500 associates generated sales revenue of approximately 5.5 billion euros (\$6.2 billion) in 2017.

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

About Bosch

Having established a regional presence in 1906 in North America, the Bosch Group employs nearly 34,500 associates in more than 100 locations, as of December 31, 2017. In 2017 Bosch generated consolidated sales of \$13.7 billion in the U.S., Canada and Mexico. For more information, visit twitter.com/boschusa, twitter.com/boschmexico and www.bosch.ca.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,000 associates worldwide (as of December 31, 2017). The company generated sales of 78.1 billion euros (\$88.2 billion) in 2017. Its operations are divided

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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 64,500 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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