

Rexroth IndraDrive ML: Now also for higher voltages and marine applications

Universal inverter from 110 kW to four MW output simplify high drive power engineering

2018-02-27

For Immediate Use



Intelligent, universal, and efficient. Electrical drives IndraDrive ML by Rexroth are suitable for complex motion tasks in industry as well as in marine and offshore applications.

With additional variants for the voltage range from 525 V to 690 V, Rexroth expands the range of uses of IndraDrive ML drives for outputs up to 4 megawatts. International and application-specific certifications reduce engineering effort for universal use in industrial machinery and equipment as well as in marine and offshore applications.

Wherever machinery and equipment requires drive power of several hundred kilowatt up to the megawatt range, the trend is toward higher voltage and smaller wire sizes can be used. New facilities use almost exclusively devices with 690 V supply voltage, in particular in the paper industry, metallurgy, in marine and offshore applications as well as in energy generation. For these

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Press Release

requirements Rexroth has developed additional variants of Large Electric Drives IndraDrive ML for the voltage range from 525 V to 690 V. They supplement the proven product line for supply voltages from 380 to 500 V. The space-saving, modular universal inverters generate drive power between 110kW and 500 kW per device, and in parallel connection of up to eight devices up to four MW.

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Regardless of the supply voltage, IndraDrive ML is already certified for industrial application pursuant to CE, UL and CSA. This reduces the engineering and documentation effort for global use. All product lines are currently in the process of being approved by the ship classification authorities GL., DNV, ABS and LR. so they can be used as “type approved” in typical marine and offshore applications, e.g. anchor and net winches or for hoist, slewing, and luffing drives for ship cranes.

IndraDrive ML can be operated as supply or frequency changer or as motor inverter. This minimizes variants, simplifies handling, and reduces storage costs for OEMs and end users. The universal inverters are particularly suitable for complex multi-axis applications. Drive-based Motion Logic solutions regulate synchronized movements via their own intelligence, even without higher-level control units. The certified safety technology “Safety on Board” also integrated in the drives reduces engineering effort for standard-compliant machine safety. With a multi-Ethernet interface for all common communication protocols and one multi-encoder interface, the drives seamlessly integrate even into heterogeneous automation environments.

Economical, precise, safe, and energy efficient: drive and control technology from Bosch Rexroth moves 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 to develop innovative components as well as tailored system solutions and services. Bosch Rexroth offers its customers hydraulics, electric drives and controls, gear technology, and linear motion and assembly technology all from one source. With locations in over 80 countries, more than 29,500 associates generated sales revenue of approximately 5 billion euros in 2016. To learn more, please visit www.boschrexroth.ca

The Bosch Group is a leading global supplier of technology and services. It employs roughly 400,500 associates worldwide (as of December 31, 2017). According to preliminary figures, the company generated sales of 78 billion euros in 2017. Its operations are divided into four business

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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 industry. 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 create solutions for a connected life, and to improve 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 subsidiaries and regional companies in some 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 62,500 associates in research and development. Additional information is available online at www.bosch.com, iot.bosch.com, www.bosch-press.com, twitter.com/BoschPresse.

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