

Latest release enhances Mitsubishi Electric's MR-J5 safety communications

Ratingen, Germany 07 November 2023

Mitsubishi Electric is expanding the capabilities of its MELSERVO MR-J5 drives with the addition of Fail Safe over EtherCAT (FSoE) compatibility. This latest update enables interconnectivity with industrial automation devices that are compatible with EtherCAT, further enhancing multi-vendor interoperability, flexibility and convergence.



[Source: Source: Mitsubishi Electric Europe, Germany]

Mitsubishi Electric's MR-J5 EtherCAT compatible servo amplifiers can be connected to an approved EtherCAT master to control safety functions over FSoE. This TÜV-certified network technology meets the IEC 61508 and IEC 61784-3 standards on safety-related systems and their messages. This addition enables users in a variety of sectors, including automotive, food and beverage as well as lithium-ion battery production, to simplify

safety installations, reducing wiring and costs. Also, industry players can benefit from an even broader industrial automation product base when developing advanced control and safety servo-based applications. Besides, they can easily integrate the new product within existing EtherCAT-based systems to deliver machines with high machine reliability and performance.

As a result, it is easier to plan, commission and manage more flexible safety systems. In particular, this pre-certified product helps to fulfil the safety requirements of machines and streamline development, certification and validation activities while reducing costs.

The new release enhances the capabilities of the well-established MR-J5 series. In effect, the latest range of servo drives from Mitsubishi Electric features key energy saving and predictive maintenance functions within a compact footprint. In addition, users can benefit from equipment with exceptional performance and reliability as well as remarkable uptime and service life.

Oliver Giertz, Product Manager at Mitsubishi Electric, comments: “We are thrilled to introduce FSoE compatibility within our MR-J5 range of servo amplifiers, advancing their functional safety capabilities. This will support customers in creating highly effective setups that can play a key role in realising servo-based safety applications. This product will benefit customers with greater flexibility, interoperability and convergence in their industrial automation applications.”

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About Mitsubishi Electric Corporation

With more than 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Mitsubishi Electric enriches society with technology in the spirit of its “Changes for the Better.” The company recorded a revenue of 5,003.6 billion yen (U.S.\$ 37.3 billion*) in the fiscal year ended March 31, 2023.

For more information, please visit www.MitsubishiElectric.com

**U.S. dollar amounts are translated from yen at the rate of ¥134=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2023.*

About Mitsubishi Electric Factory Automation Business Group

Offering a vast range of automation and processing technologies, including controllers, drive products, power distribution and control products, electrical discharge machines, electron beam machines, laser processing machines, computerized numerical controllers, and industrial robots, Mitsubishi Electric helps bring higher productivity – and quality – to the factory floor. In addition, its extensive service networks around the globe provide direct communication and comprehensive support to customers. The global slogan “Automating the World” shows the company’s approach to leverage automation for the betterment of society, through the application of advanced technology, sharing know how and supporting customers as a trusted partner.

For more about the story behind “Automating the World” please visit:

www.MitsubishiElectric.com/fa/about-us/automating-the-world

Factory Automation EMEA

Mitsubishi Electric Europe B.V., Factory Automation EMEA has its European headquarters in Ratingen near Dusseldorf, Germany. It is a part of Mitsubishi Electric Europe B.V. that has been represented in Germany since 1978, a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan. The role of Factory Automation EMEA is to manage sales, service and support across its network of local branches and distributors throughout the EMEA region.

For more information, please visit emea.mitsubishielectric.com/fa

About e-F@ctory

e-F@ctory is Mitsubishi Electric's integrated concept to build reliable and flexible manufacturing systems that enable users to achieve many of their high speed, information driven manufacturing aspirations. Through its partner solution activity, the e-F@ctory Alliance, and its work with open network associations such as the CC-Link Partners Association (CLPA), users can build comprehensive solutions based on a wide ranging "best in class" principle.

In summary, e-F@ctory and the e-F@ctory Alliance enable customers to achieve integrated manufacturing but still retain the ability to choose the most optimal suppliers and solutions.

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