

Mitsubishi Electric introduces MELSEC iQ-R safety local IO modules

Enhancing efficiency and reducing cost for safety in industrial automation

Ratingen, Germany - 30 January 2025

Mitsubishi Electric Europe announced the launch of the MELSEC iQ-R safety local IO modules, featuring the RX40NC6S-TS and RY48PT20S-TS. These components are designed to enhance the lineup, increase efficiency and reduce safety costs in industrial automation.



Image Caption: Enhancing efficiency and reducing cost for safety in industrial automation

[Source: Getty Images]

The MELSEC iQ-R safety local IO modules offer significant advantages in industries where precision and safety are paramount. By eliminating the need for additional safety relays, the safety output module (RY48PT20S-TS) supports a maximum load of 2A per point, totalling 16A, ensuring cost savings and optimising cabinet space. This expansion of the safety lineup allows businesses to control machines and processes without compromising safety.

The compact design of the safety local IO modules allows for seamless integration next to your iQ-R safety modules. With 16 single input points on the RX40NC6S-TS and 8 single output points on the RY48PT20S-TS, these modules offer flexibility and high-speed safety digital IO, catering to the diverse needs of industries such as automotive, food and beverage, life sciences, and machine builder. It's crucial for keeping workers safe and ensuring the factory runs without accidents.



Image caption: iQ-R Safety Local IO modules

[Source: Mitsubishi Electric Europe]

Direct connection to the MELSEC iQ-R bus ensures faster reaction times, enhancing operational efficiency compared to safety over ethernet solutions. This advancement not only boosts productivity but also underscores Mitsubishi Electric's commitment to delivering innovative, reliable solutions for industrial automation.

For more information and to explore how the MELSEC iQ-R safety local IO series can benefit your operations, visit

[RX40NC6S-TS - Mitsubishi Electric Factory Automation - EMEA.](#)

[RY48PT20S-TS - Mitsubishi Electric Factory Automation - EMEA](#)

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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 recognised 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 5,257.9 billion yen (U.S.\$ 34.8 billion*) in the fiscal year ended March 31, 2024.

For more information, please visit www.MitsubishiElectric.com.

**U.S. dollar amounts are translated from yen at the rate of ¥151=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2024.*

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, computerised 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 leveraging 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. which 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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