

## **Mitsubishi Electric adds EtherCAT connection to FR-E800 series**

**June 2024, Hatfield**

Mitsubishi Electric has further enhanced the popular E800 series variable speed drive (VSD) with the introduction of a dedicated EtherCAT model.

The FR-800 series is built upon Mitsubishi Electric's proven VSD technology, which delivers reliable operation across constant and variable torque applications. It combines a compact footprint with a dual overload rating and predictive maintenance capabilities to offer a safe, efficient and robust multi-purpose inverter.

The new addition to the range incorporates the inherent functionality of the FR-E800 series, including built-in PLC function, inverter-to-inverter link function and corrosive gas detection circuits, with a dedicated EtherCAT connection point without the need for an option card.

This offers machine builders wishing to use an FR-E800 VSD an additional communication protocol, alongside the current built-in EtherNet protocols available throughout the series without the need for an option card. These include PROFINET, MODBUS/TCP, BACnet/IP, CC-Link IE Field Basic and CC-Link IE TSN.

For more information, please visit: [https://gb.mitsubishielectric.com/fa/products/drv/inv/fr\\_e800](https://gb.mitsubishielectric.com/fa/products/drv/inv/fr_e800).

**ENDS**

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

For more information, please visit [www.MitsubishiElectric.com](http://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, 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](http://www.MitsubishiElectric.com/fa/about-us/automating-the-world)

### **Factory Automation - UK**

Mitsubishi Electric Europe, Industrial Automation – UK branch is located in Hatfield, United Kingdom. It is a part of the European Factory Automation Business Group based in Ratingen near Dusseldorf, Germany which in turn is 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 Industrial Automation – UK Branch is to manage sales, service and support across its network of local branches and distributors throughout the United Kingdom.

For more information, please visit [automation@meuk.mee.com](mailto:automation@meuk.mee.com)

### **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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