

SPS IPC Drives 2013 (Hall 7, Stand 380)

New MELSEC FX5 series from Mitsubishi Electric - the next generation of compact PLC

Nuremberg / Ratingen, 26 November 2013

The new MELSEC FX5 series is the next generation of the successful compact PLC that Mitsubishi Electric will be launching on the market. The successor to the advanced and well-established MELSEC FX3 range will once more drastically increase plant productivity and reduce total operating costs as well as energy consumption. The new PLC series offers significant advantages over its predecessor and is also fully compatible with the existing FX3 range.

One of the product highlights on the Mitsubishi Electric stand (Hall 7, Stand 380) at this year's SPS IPC Drives will be the MELSEC FX5 series, the new "all-inclusive standard" in the field of modern compact controllers. With a processor which is three times faster than its predecessor, the compact PLC will enhance system performance as well as productivity. With integrated functions such as high-speed counters and pulse outputs for cost-effective high-performance positioning tasks, as well as an Ethernet interface and analogue inputs and outputs (I/Os) for PID controllers, for example, the FX5 series is not just ideally equipped for today's machine building needs but also suitable for universal use in all industrial sectors.

The SD card slot enables production data to be recorded and processed

quickly and easily. The simplified migration to modular PLCs and data backup facility via SD card will increase the integration capability with other Mitsubishi Electric automation components.

The basic units are equipped with innovative processors and are designed for international use, operating on 100 to 240 VAC or 24 VDC. Models are available with 32, 64 and 80 I/Os. For output type there is a choice between digital relay and transistor versions. All the basic units can be expanded to up to 256 I/Os by fitting expansion modules or to up to 512 I/Os via suitable networks (CC-Link, CC-Link IE Field, Ethernet, Profibus and Profinet).

The controller can perform even more complex positioning tasks without any additional modules. Functions such as fast counters and pulse outputs up to a frequency of 200 kHz are integrated in all the basic units, which enable the control of up to four independent axes. The MELSEC FX5 series is also universally backward compatible and provides easy and cost-effective migration from MELSEC FX3. With a bus converter, the expansion modules from the existing FX3 series can also be used.

Another strength of the latest generation of controllers is that they are the perfectly synchronized and fitted to the modules, functions and commands within the Mitsubishi Electric automation product range. With these, the controllers within the automation environment will be able to operate together in a highly efficient and user-friendly manner with other compact and modular PLCs as well as frequency inverters, servo drives, operating and visualisation systems from the company.

“Mitsubishi Electric pioneered the compact PLC and it is now more than 30 years since it developed the first one. Now we are world market leader in compact PLCs, with more than 13,000,000 controllers sold”, explains Andre Hartkopf, European Product Manager Energy / HMI / PLC / Software, at Mitsubishi Electric Europe B.V.’s Factory Automation -

European Business Group. The MELSEC FX5 series is the result of the consistent development of the MELSEC FX3 series and offers outstanding performance.”

The new MELSEC FX5 series compact PLC can be seen along with many other new automation solutions from Mitsubishi Electric from 26th to 28th November 2013 at SPS IPC Drives in Nuremberg, Germany.

Photo caption



Picture 1: The MELSEC FX5 series from Mitsubishi Electric is the new “all-inclusive standard” in the field of compact controllers. With a processor which is three times faster than its predecessor, it will enhance system performance as well as productivity.

About Mitsubishi Electric:

With over 90 years of experience in providing reliable, high-quality products to both corporate clients and general consumers all over the world, Mitsubishi Electric Corporation 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, as well as in products for the energy sector, water and waste water, transportation and building equipment.

With around 121.000 employees the company recorded consolidated group sales of 29,5 billion Euro* in the fiscal year ended March 31, 2013. Our sales offices, research & development centres and manufacturing plants are located in over 30 countries.

Mitsubishi Electric Europe B.V., Factory Automation European Business Group (FA-EBG) has its European headquarters in Ratingen near Dusseldorf, Germany. It is a part of Mitsubishi Electric Europe B.V., a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan.

The role of FA-EBG is to manage sales, service and support across its network of local branches and distributors throughout the EMEA region.

**Exchange rate 120,69 Yen = 1 Euro, Stand 31.3.2013 (Source: Deutsche Bundesbank)*

Further Information:

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