

Mitsubishi Electric unveils modular circuit solutions for Ireland's electrification

19 November 2024

A new range of modular DIN rail components (MDRC) from Mitsubishi Electric is set to address the growing demand for high-performance protection and control solutions designed for final circuit power distribution in both the Irish and broader EMEA markets. Stakeholders in the electrification of industrial and commercial buildings as well as OEMs manufacturing machinery for industrial automation will now be able to leverage a cost-effective range of low voltage components with high short circuit breaking capacity for key applications.

Mitsubishi Electric's MDRC series includes both control and protective devices, making them ideal for clients in the infrastructure sectors. The new high-performance cost-effective range includes modular contactors, Arc Fault Detection Devices (AFDDs), Miniature Circuit Breakers (MCBs), Residual Current Devices (RCDs), Surge Protection Devices (SPDs), and Residual Current Circuit Breakers (RCCBs) with overcurrent protection (RCBOs).

Compact, modular solutions

Designed to deliver high specifications and performance for a wide range of applications, the Mitsubishi Electric MDRC range is characterised by ultimate breaking capacities (Icu) that span from 15 kA to 25 kA. The standard range of MCB are available in an 18mm module format with Icu of 15kA and rated from 0,5A up to 63A in standardized B, C and D curves.

Mitsubishi Electric have also components with higher Icu ranges in the MCB-T range from 0,5 to 40A up to 25kA in an 18mm module format and the HMCB range from 20 to 125A in a 27mm module format with Icu from 10 up to 25kA. The Icu of 15kA on their standard MCB and RCBO ranges ensures the ability of the final circuit to manage the prospective short circuit currents for the majority of commercial and industrial sub-distribution applications.

Matt Pender, Managing Director at MPAC Ltd., comments: "The MDRC range fills a key gap in the local market and will deliver considerable value to users. We look forward to offering ambitious yet cost-effective solutions for the control and protection of electrical installations as well as strengthening our partnership with Mitsubishi Electric."

The MDRCs are ideal to support building electrification projects. In addition, the solutions leverage Mitsubishi Electric's expertise in factory automation machinery to address the needs of marine, water and wastewater treatment, food and beverage and automotive, as well as other manufacturing industries.

Robbie Garland, Managing Director at Garland Instruments, explains: "At Garland, we use Mitsubishi Electric's Circuit Breakers to create highly effective industrial automation solutions for companies in food and beverage, water treatment, refrigeration, manufacturing and pharmaceutical production. Thanks to this addition to the existing range, we will now be able to help create state-of-the-art electrical applications for a larger customer base."

Comprehensive support

The latest addition to the LVS range complements the company's existing series of air circuit breakers (ACBs) and moulded case circuit breakers

(MCCBs). Besides a complete technology portfolio, customers can benefit from comprehensive project support and consultancy services to streamline and optimise their installations.

Tom Mac Partlin, Business Development & Product Management - Low Voltage Systems for the EMEA region at Mitsubishi Electric, concludes: “We are thrilled to launch the MDRC range into the Irish and EMEA markets. The product series offers a key, strategic investment for businesses embarking on an electrification journey. As such, it attests to our continuous commitment to innovation, efficiency and reliability.”

Image captions:



Image 1 Caption: Mitsubishi Electric launches a brand- new range of high-performance cost-effective Modular DIN Rail Components (MDRC).

[Source: Mitsubishi Electric Ireland]



Image 2 Caption: Tom Mac Partlin, Business Development & Product Management, Low Voltage Systems for the EMEA region at Mitsubishi Electric Europe B.V.

[Source: Mitsubishi Electric Ireland]

The image(s) distributed with this press release are for Editorial use only and are subject to copyright. The image(s) may only be used to accompany the press release mentioned here, no other use is permitted.

Note to Editor: if you would like the text in another language, please contact Kiki Anderson at DMA Europa – kiki.anderson@dmaeuropa.com

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

**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

Factory Automation Ireland

Mitsubishi Electric Europe B.V. Factory/Industrial Automation- Ireland is located in Dublin, Ireland. It is a part of the European Factory Automation Business Group based in Ratingen, Germany which in turn is part of Mitsubishi Electric Europe B.V., a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan.

The role of Industrial Automation – Irish Branch is to manage sales, service and support across its network of local distributors throughout Ireland

For more information, please visit ie.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.

**e-F@ctory, iQ Platform are trademarks of Mitsubishi Electric Corporation in Japan and other countries.*

**Other names and brands may be claimed as the property of others.*

**All other trademarks are acknowledged*

Follow us on:



[youtube.com/user/MitsubishiFAEU](https://www.youtube.com/user/MitsubishiFAEU)



<https://x.com/MEIrishbranch>



<https://www.linkedin.com/showcase/mitsubishi-electric-ireland-factory-automation/>



<http://www.linkedin.com/company/mitsubishi-electric-ireland>

Press contact:

Mitsubishi Electric Europe B.V. - Irish Branch

Rachel O' Brien

Marketing Manager

Plunkett House

Grange Castle Business Park

Nangor Road

Dublin 22

Tel: +353 1 419 8800

Fax: +353 14198890

rachel.obrien@meir.mee.com

ie.mitsubishielectric.com/fa

PR Agency:

DMA Europa Group

Kiki Anderson

Progress House, Great Western Avenue, Worcester, UK, WR5 1AQ

Tel.: +44 (0)1905 917477

kiki.anderson@dmaeuropa.com

news.dmaeuropa.com