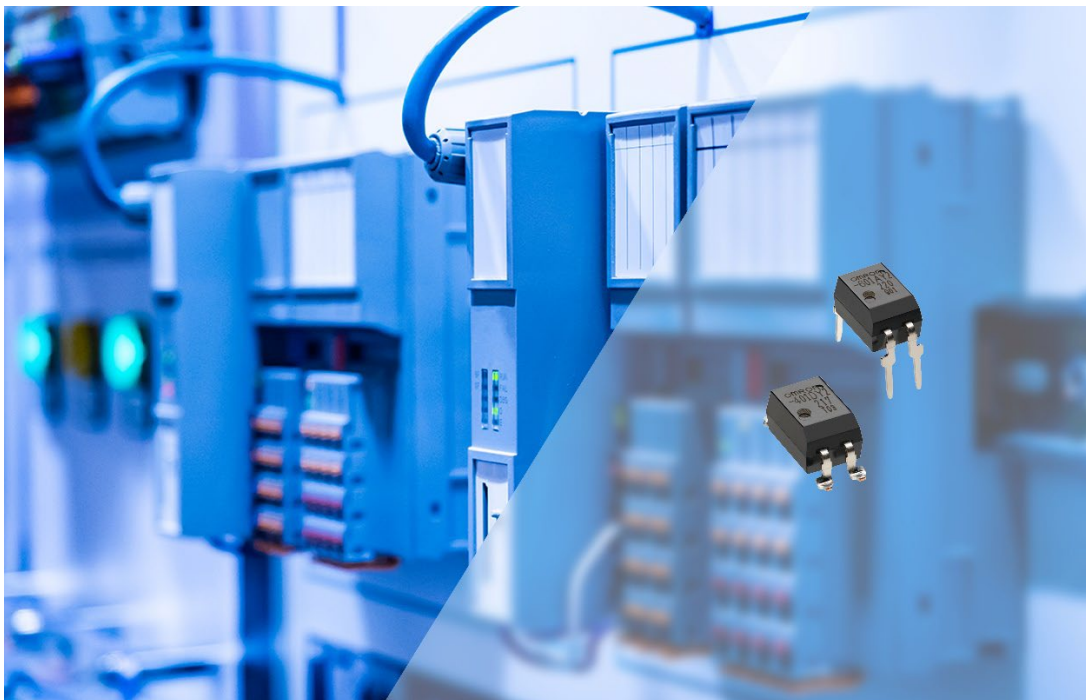


### OMRON adds two new MOSFET relays

**Hoofddorp, Netherlands, Tuesday, 10 January 2023** – OMRON Electronic Components Europe has expanded its extensive range of MOSFET relays with two new devices. The new OMRON G3VM-401 and G3VM-601 offer high dielectric strength and high operating temperatures for applications in electric meters and industrial control. The new G3VM-41UR is a highly responsive device offering low on-resistance and output capacitance in ultra-compact VSON packaging, aimed at test and measurement applications especially ATE.

Operating temperatures can be a particular challenge for designers of electricity meters as these units have to be sealed to prevent tampering. The new OMRON G3VM-401 and G3VM-601 devices address this issue as they can withstand ambient temperatures of up to 110°C. They also offer a high dielectric strength of 5,000V rms AC. The devices are offered in both surface mount and through hole form, with SPST-NO contacts. They are power efficient, with a low trigger current of just 2mA. The G3VM-401 can handle a load current of up to 400V at 120mA and the G3VM-601 can handle up to 600V at 90mA.

The new G3VM-41UR features a low CxR of just 10pF\*Ω and can handle currents of up to 40V at 0.25A – exceptional for a device of this size. It is an excellent compact alternative to SOP4 package devices and reed relays. Its low resistance of just 2 ohms and low output capacitance of just 5pF make it ideal for switching test signals in ATE systems, as well as for other test and measurement and communications equipment applications.



*OMRON has introduced a high dielectric strength, high temperature MOSFET Relay for smart meters and a highly responsive miniature MOSFET Relay for test systems.*

## **About OMRON Electronic Components Europe**

On 1 April 2022, OMRON Corporation announced that its' Electromechanical Components (EMC) division was renamed as OMRON Device and Module Solutions (DMS) in line with the global long-term vision „[Shaping the Future 2030.](#)”

OMRON Electronic Components Europe is the European subsidiary of the Device and Module Solutions division. The revised division name reflects a new focus on delivering solutions to customers globally and in Europe. Society is facing new social and environmental changes, and OMRON recognises and is responding to that. The company aims to offer its' customers solutions that help them address these universal challenges. In accordance with the long-term strategy, OMRON intends to contribute further to the roll-out of new energy sources and of high-speed communications by enabling the creation of sturdier, advanced and more efficient devices. These devices will make people's lives easier and better, in particular by achieving carbon neutrality, realizing a digital society and extending healthy life expectancy.

OMRON Electronic Components Europe strongly supports its customers in Western and Eastern Europe through 8 regional offices, a network of local offices and partnerships with specialist, local, regional and global distributors.

## **About OMRON Corporation**

OMRON Corporation is a global leader in the field of automation based on its core technology of "Sensing & Control + Think." OMRON's business fields cover a broad spectrum, ranging from industrial automation and electronic components to social infrastructure systems, healthcare, and environmental solutions. Established in 1933, OMRON has about 30,000 employees worldwide, working to provide products and services in around 120 countries and regions. For more information, please visit <https://www.omron.com/global/en/>

### **For further information please contact:**

Marketing Support Group

OMRON Device and Module Solutions Europe B.V.

Wegalaan 57, 2132 JD, Hoofddorp, The Netherlands

Tel: +31 235 681 296, Fax: +31 235 681 222

Email: [info-components-eu@omron.com](mailto:info-components-eu@omron.com)

Web: <https://components.omron.com/eu-eu>

LinkedIn: <https://www.linkedin.com/company/omron-electronic-components-europe-b-v/>