

Bent leaf lever versions of OMRON ultra subminiature basic switches extend the options for wet or dusty applications

Hoofddorp, Netherlands, Tuesday, 11 October 2022 – OMRON Electronic Components Europe has announced a new fully sealed, ultra subminiature microswitch providing substantially higher operating and releasing forces compared to existing solutions.

The new bent leaf lever versions of the compact and flexible OMRON D2GW microswitch increases operating force up to 1.5N and releasing force up to 0.1N.

As with existing variants of the OMRON D2GW, the new switches are totally sealed to IP67 (excluding the terminals on the terminal models) and operate in temperatures of up to 85°C. They maintain the exceptionally small size (8.3mm × 6.5mm × 5.3mm) providing the smallest switch of its type in the industry.

The new models extend the options for applications subjected to water spray or high levels of dust. D2GW switches are ideal for vending machines, smart meters, EV charging stations, security systems, HVAC equipment, white goods, and similar applications where space is at a premium.

They retain the sliding-contact construction, boasting the industry's smallest size in its class – just 8.3 x 6.5 x 5.3mm. In addition, the lever can now be mounted on either the left or right side of the switch, on both the press-fit terminal and moulded lead-wire versions.

The D2GW switches feature a ground-breaking contact design to maximise performance. Sliding contact construction achieves quiet operation and high contact reliability, wiping away any dust or other impurities. It has double contacts, which serve to improve reliability.

OMRON delivers the D2GW in a wide variety of styles, with a choice of mounting structures, actuators, and terminal specifications to maximise application flexibility. Further options include press-fit terminals to enable solder-less PCB installation, as well as solder terminals, PCB terminals and moulded wire leads. The D2GW features a symmetrical shape with the push button located in the centre, allowing levers to be added in either direction.



OMRON has announced new fully sealed, miniature micro switches with a bent lever providing higher operating force and releasing force than straight hinges. The new variants extend the range of compact and flexible solutions for applications exposed to water spray or high levels of dust.

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/>

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