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OMRON

COMPONENT INSIDER

JANUARY 2024 EDITION

Hello [First Name] !

Thanks for reading the January 2024 edition of OMRON Electronic Component's product newsletter, Component Insider.

If you have any feedback on this new resource, please email us!

Sincerely,
The Team @ OMRON Electronic Components

Featured **Products**



Power Relays
(IEC/EN 60079-15 compliant products)
G5NB, G5Q, G2RL, and G5PZ

Omron's platform relay families, G5NB, G5Q, and G2RL have been expanded to add explosion-proof ratings (IEC/EN60079-15) to varying models across the product families. The explosion-proof certification provides a guarantee that the relays will not cause ignition of flammable gasses when switching in such environments. Omron is heavily focusing on the expansion of like-certified relays to support the transition to low Global Warming Potential, "Green" Refrigerants. These refrigerants include semi-flammable variants that must be designed with components that prevent against their ignition. Omron's platform relays can support explosion-proof switching from 3A to 16A for both 1formA and 1formC requirements.

Learn More



XW4M/N

The XW4M/N series are push-in terminal block PCB connectors with a unique dual-spring structure that reduces insertion / removal force and ensures high contact reliability. The XW4M is the plug and XW4N is the socket. The blue lever bar on the XW4N releases the spring to alleviate friction and allows for one handed socket removal. Pin number markings come standard and eliminates the need for printing on other spaces such as a board, thus reducing unnecessary space and workload.

Learn More



G5PZ-1A4

The G5PZ relays provide a PCB space saving option for designs requiring 20A switching current abilities. G5PZ-1A4-E is a sealed addition to this relay family, providing conformation to IEC/EN60079-15. The new sealed models are ideal candidates for switching in flammable gas environments. They offer low power consumption atop of high electrical endurances at their rated loads.

Learn More

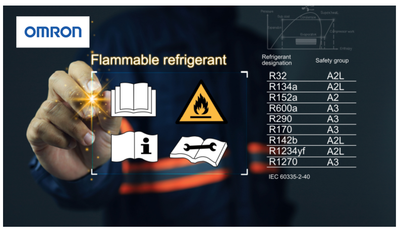


D2FC

These Ultra Subminiature Basic Switches can be used for applications requiring high reliability with a long life and a clear click feeling such as controllers and mice in the eSports gaming industry. The crisp, sharp, distinctive click sound, and long life is achieved by its stable spring structure. Omron uses Computer-aided engineering (CAE) to test and validate the performance of the haptic feedback and for quality control to completely inspect each switch during the production process.

Learn More

OMRON **News**



Heat Pump & Flammable Refrigerant Application Solutions Using Explosion-Proof Relays

Discover the future of environmentally friendly refrigerants and the crucial role of explosion-proof relays in ensuring their safe operation. As the world embraces A2L refrigerants with lower global warming potential, the need for reliable safety measures becomes paramount. Explore OMRON's commitment to meeting the demand for anti-explosion relays and their plans to expand their product lineup. Read more to stay ahead of the curve in this rapidly evolving industry.

Read Here

Fresh On The Board - December Edition

OMRON understands the importance of safety in different types of products, including home appliances. To prevent accidents caused by malfunctions or errors, OMRON provides a wide range of devices that support design philosophies such as fail-safe and interlock. To learn more about this check out our newest Fresh on the Board!

Learn more

Upcoming **OMRON Events**

Trigger, Basic and Tactile Switch Product Solutions
Enabling Higher Performance for the Power Tool Market



Save the date for Omron's upcoming webinar in January! We will explore Omron's Trigger, Sealed Basic and Tactile Switch solutions for the power tool market. From this, you will be able to take away the key features and benefits to using these technologies in your next power tool build.

Date: Thursday, January 25th, 2024
Time: 9:00am PST / 11:00am CST

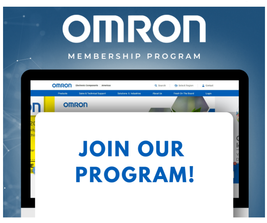
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Events Page

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For a limited time, we will be offering our membership program free to anyone who signs up for it.

- Free download of 2D/3D CAD and ECAD files
- Updated information on New Products
- Access to OMRON's exclusive newsletter
- Downloadable RoHS Certifications
- Reference History
- And more to come...

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