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COMPONENT INSIDER

JUNE 2025 EDITION

Hello [First Name] !

Welcome to our monthly newsletter, your go-to source for everything related to OMRON Electronic Components! We'll be discussing our latest in technology, events, and more! Whether you're looking to stay ahead of the curve or simply curious about what's new, we've got you covered. Let's dive in and discover the exciting world of electronic components together!

If you have any feedback, please email us!

Sincerely,
The Team @ OMRON Electronic Components

Featured **Products**

G5LE Family



The OMRON G5LE series of PCB Power Relays are designed with a cubic shape and are suitable for a wide range of applications such as home appliances, office automation equipment, and vending machines. These relays have 10A capacity for both SPST or SPDT form factors, and can operate at an ambient temperature of up to 85°C. They come with UL class-B coil insulation and comply with cULus, EN standards, and the Electrical Appliance and Material Safety Law (300 V max.). Models within this series also meet IEC/EN60079-1 and IEC/EN60079-15 standards.

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W2GJ

Designed for effortless integration, the W2GJ offers reliable touch detection without the hassle of circuit design or sensitivity calibration. Its ability to sense changes in capacitance ensures stable operation across a variety of applications. With a simple screw-mount setup and no need for PCBs, it streamlines installation and accelerates development.

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D2EW-R

D2EW-R with integrated resistors can be used to detect four different states in a circuit:

- OFF
- ON
- Short-circuit
- Disconnected

The ON/OFF state indicates that the circuit is either closed or open, while the short-circuit state indicates a direct connection between two points in the circuit. The disconnection state indicates that there is a break in the circuit or a faulty connection. By monitoring these states, engineers can quickly identify and troubleshoot any issues with the circuitry in their device.

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G9KA-E

The G9KA-E high-capacity relay supports high-current applications with its impressive load ratings, making it the highest-power-capacity AC PCB relay on the market and an ideal solution for high-power designs in industries such as PV inverters, power conditioners, and industrial inverters. OMRON's commitment to delivering innovative and reliable solutions is showcased in the exceptional performance and capabilities of the G9KA-E relay.

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OMRON **News**



Meeting the Critical Needs of the Energy Industry The Role of High-Capacity Relays

OMRON wrote an article ""Meeting the Critical Needs of the Energy Industry" that is featured in Power System Design Magazine. The article focuses on requirements in the energy sector, such as the demand for high-voltage, high-capacity relays, stable energization and interruption of DC loads under harsh conditions, and the reduction of wasteful power consumption. OMRON's G9EK High-Capacity DC Relay is designed to meet these demands with its advanced features and energy efficiency. This article highlights how the G9EK relay supports the industry's push for environmental sustainability and carbon neutrality, aligning with OMRON's 'Shaping the Future 2030' initiative. Explore the technical specifications and application examples to see how this innovative relay can meet your specific needs and challenges. Contact an OMRON representative to explore how this technology can be integrated into your current application setup.

Read Here

Fresh On The Board - May 2025

The article discusses the growing trend towards higher capacities and voltages in battery-based devices, such as storage batteries and energy systems, which aim to extend operating times and reduce charging durations. This trend necessitates suitable relays for various applications. OMRON's relays are compatible with various devices, maintaining performance across voltage, current, size, and mounting methods.

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OMRON Events



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Weathering the Challenge of Long-Range Data Communications

Weather and climate tracking tools are increasingly valuable in agriculture, Smart Cities, and meteorology. Weather stations equipped with LoRa communication protocols enable real-time, low-power, long-range data tracking. Industries are developing devices that collect climate data and integrate with IoT networks for seamless communication. In response to natural disasters, collaboration with climate studies groups is crucial for preparedness. Sensors provide real-time weather data to aid farmers, city planners, and ecologists. Omron's weather station, connected to LoRa networks, addresses these challenges.

Join OMRON and KS Technologies in a webinar discussing their collaboration on LoRa tools for climate data.

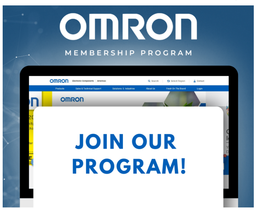
Key Highlights:

- IoT Communications & Climate Concerns
- Weather Tracking Solutions
- LoRa Connectivity

Interested in other events OMRON is a part of or hosting? Check out our events page so you never miss a thing!

Events Page

OMRON **Membership Program**



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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