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COMPONENT INSIDER

MAY 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**



B5W-LB

A new iteration of the light convergent sensor offers more power supply voltage options. This updated version now accommodates a 12 VDC power supply in addition to the existing 24 VDC options. Despite this addition, the specifications remain the same. The B5W-LB continues to be reliable in applications that require the detection of various objects, such as mirrors, black, and transparent materials.

Learn More



B3FS

Tactile switches can be automatically mounted on a board using reflow solder, but key tops must be installed manually. However, the B3FS series has added keytop-integrated models that can cut the man-hours required for manual operations, thus greatly increasing work efficiency.

Learn More



G6QG

The G6QG-1A relay provides a 2mm contact gap, PCB terminal relay, option for designs requiring high current switching in a small package. This relay is ideal for applications such as disconnecting power within EV chargers, PV inverters, and energy storage systems. The G6QG series increases the capacity from existing Omron relays in this size class from 36A to 55A.

Learn More

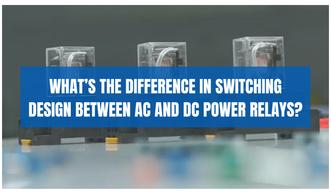


G5PZ

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

OMRON **News**



What's the Difference in Switching Design Between AC and DC Power Relays?

Discover the critical role of relays in modern electrical systems and learn how to choose the right one for your needs. This article explores the differences between AC and DC power relays and how their unique designs tackle high-power circuit challenges. Understanding these distinctions is key to optimizing performance and reliability in applications from household appliances to electric vehicle charging stations. Dive in to uncover the secrets of efficient power management for your next project.

Read Here

Fresh On The Board - April 2025

The B5W-LB light convergent reflective sensor excels in detecting various materials and colors, even in misaligned conditions. Ideal for applications from printing machines to robot vacuum cleaners, this sensor handles challenging materials like black, transparent, and rough objects. Learn more in this months Fresh on the Board.

Learn More

OMRON Events



AI in Action: Transformative Technologies for Human Vision Image Sensing

Watch On Demand to discover how human vision sensing can elevate your AI needs. With over 20 years of expertise in AI solutions, we will demonstrate how our cutting-edge sensing technology integrates seamlessly into your applications. Learn about three innovative solutions designed to enhance flexibility and performance.

Watch On-Demand



Driving the Evolution: Innovative Solutions for the Small Mobility Market

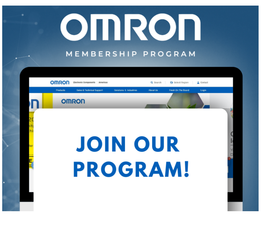
Watch On Demand to learn the current needs of the small mobility market,including forklifts, scissor lifts, golf carts, AGVs, lawnmowers, tractors, and e-bikes. Discover application solutions with the latest power relays and sealed micro switches and explore future technologies for more efficient and safe operations.

Watch On-Demand

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
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- Reference History
- And more to come...

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