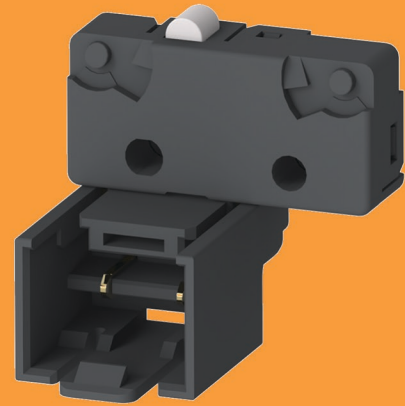


# SAIA<sup>®</sup> Switches

## RAST 2.5 Microswitch



### Compact. Cost-effective. Customizable.

The SAIA<sup>®</sup> RAST 2.5 Microswitch is the ideal solution for businesses seeking cost-effective, reliable, and space-saving components for their designs. Engineered for easy plug-and-play installation, this compact microswitch combines the benefits of streamlined production, reduced costs, and enhanced quality assurance. Whether you need a standard or customized version, our innovative design eliminates complexity, optimizes your assembly process, and delivers long-lasting performance. Backed by Johnson Electric's global expertise, the SAIA<sup>®</sup> Rast 2.5 Microswitch is the smart choice for applications across industries.

### What Makes SAIA<sup>®</sup> RAST 2.5 Switch Unique?

#### Compact and Integrated Design

Unlike traditional solutions, the SAIA<sup>®</sup> RAST 2.5 switch integrates a microswitch and RAST 2.5 connector into a single, compact unit. This approach minimizes size while maintaining full functionality, making it one of the smallest configurations available.

#### Plug-and-Play Installation

The RAST 2.5 connection simplifies installation by eliminating the need for soldering or complex wiring harnesses. This timesaving, labor-reducing feature sets it apart from similar products on the market.

#### Tailored Performance Options

Available in both standard and customized versions, the switch supports a range of requirements, including configurations for signal currents and higher load applications.

#### Simplified Assembly Process

The design eliminates additional assembly processes by integrating bent terminals directly into the housing. This reduces the number of components to just seven, speeding up production and lowering costs compared to conventional solutions.

#### Cost-Efficiency in Design and Production

By reducing labor, materials, and production steps, the SAIA<sup>®</sup> RAST 2.5 switch lowers total costs without sacrificing performance or reliability.

### The Advantage of RAST 2.5 Connections

The RAST 2.5 connection is an industry-standard solution widely adopted across sectors such as home appliances, industrial equipment, and automotive applications. Its popularity stems from its reliable performance, ease of use, and versatile compatibility.



Its universal standard makes it compatible with a wide range of systems, simplifying integration and procurement. The RAST 2.5 connection isn't just a preference—it's the industry's trusted choice for efficient, high-quality connections.

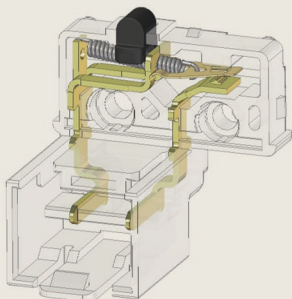
## A Superior Integrated Design

In the industry, many microswitches utilize connectors with two contact points, which can be sufficient for standard applications. However, the SAIA® RAST 2.5 microswitch redefines connectivity by integrating the RAST 2.5 connector directly into the switch housing. This seamless integration not only reduces size and complexity but also enhances performance and reliability.

With its multiple-point contact design, the RAST 2.5 connector delivers a secure and stable connection, significantly lowering the risk of disconnections or signal loss. This innovative approach ensures exceptional electrical stability. By combining integration and superior contact technology, the SAIA® RAST 2.5 microswitch offers a reliable, compact, and efficient solution for your connectivity needs.

### Technical Specifications

Our standard switch is built for signal current applications and features gold crossbar contacts to prevent oxidation, ensuring reliable performance. For higher power requirements, we offer versions that handle up to 4.2A. We also work closely with our customers to create custom solutions, helping to improve product design, simplify assembly, and meet specific electrical and mechanical needs.



Actuating Force	max. 200 cN
Release Force	min. 35 cN
Free Position	max. 8.8 mm
Operating Position	8.4 mm (+0.1/-0.3 mm)
Full Overtravel Position	min. 7.7 mm
IP-Class	IP 40
Weight	3.5 g

## Complete Solutions From The Pioneers of Electromechanical Switches

For over 100 years, SAIA and BURGESS have been pioneers in microswitch technology. Our dedicated engineering team, based in Halver, Germany, and supported by manufacturing locations worldwide, offers the widest range of switches on the market. We provide comprehensive design and manufacturing resources, along with an unwavering commitment to reliability and precision, to support your unique needs.

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## WHY JOHNSON ELECTRIC?

Johnson Electric is a leader in innovative motion subsystems and one of the world's largest providers of motors, solenoids, microswitches and other electromechanical switches, flexible printed circuits, and microelectronics. With an annual production capacity of over one billion units, we deliver products and services that meet the highest standards of performance, quality, and reliability.



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