

PRESS RELEASE



Contact Information:

FCL Components Europe

Essena Uyttenbroek

Tel: +31 23 5560936

essena.uyttenbroek@fcl-components.eu

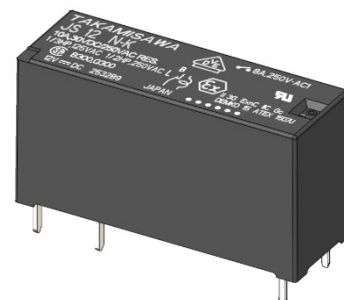
For immediate release

FCL Components Expands Its ATEX-Compliant Relay Portfolio with the New JS ATEX and Glow Wire Relay

Hoofddorp, The Netherlands – 13 October, 2025 – FCL Components Europe B.V., is proud to announce the addition of the **JS ATEX and Glow Wire relay** to its growing family of **ATEX-certified relays**, further strengthening its commitment to safety and innovation in hazardous environment applications.

The **ATEX Directive 2014/34/EU** (ATmosphères EXplosibles) defines the essential safety standards for equipment used in potentially explosive environments in the IEC/EN60079-0, IEC/EN60079-15. Manufacturers producing components and systems—such as control panels, PLCs (Programmable Logic Controllers), and pumps—designed for environments where flammable gases, vapours, or dust may be present, must comply with ATEX requirements.

Since arcing can occur when using relays, relays can be a potential source of ignition. Therefore, relays used in potentially explosive environments must be designed and certified to meet ATEX standards to ensure operational safety.



Expanding the ATEX Relay Family

FCL Components has already introduced several **relay series compliant with ATEX directives for Zone 2 environments**. With the new **JS ATEX**, the company continues to expand its range of safe and reliable solutions for potential hazardous environments.

A **Zone 2 classification** refers to environments where explosive gases are unlikely to occur under normal operation—and if they do, their presence is only temporary. Even so, these areas require equipment designed to meet stringent safety and performance requirements to minimize explosion risk.

Glow Wire Approval for Enhanced Fire Resistance

In addition to ATEX compliance, the **JS relay** is **Glow Wire approved** in accordance with **IEC/EN 60695-2-11 (Glow Wire End Product Test)**. This certification ensures the relay's fire resistance and material integrity when exposed to heat and ignition sources.

The JS ATEX relay successfully passed the following Glow Wire End Product Tests (GWEPT):

- 850°C Glow Wire test
- 750°C Glow Wire test without ignition

The result has been achieved by using **high-resistance plastic materials** that protect the relay against heat and fire, ensuring reliable operation even under demanding conditions.

Specifications

- 1 POLE - 8A MEDIUM LOAD
- Compliant to IEC/EN60079-0, IEC/EN60079-15 ATEX Directive
- UL class B (130°C) coil wire insulation
- 1 Form A (SPST-NO) or 1 Form C (SPDT) contact
- Low profile, Height: 12.5mm - Mounting space: 290mm²
- Operating power 110 to 120mW, nominal power 220 to 245mW
- Insulation distance: 8.0mm (between coil and contacts), Dielectric strength: 5,000VAC, Surge strength: 10,000V
- Plastic materials: UL 94 flame class V-0 UL CTI performance level class 2
- Plastic sealed
- Various contact material options

The **JS relays**, including ATEX and Glow Wire models, are **manufactured at FCL Components' production facility in Miyazaki, Japan**, ensuring consistent quality and compliance with international standards.

For More Information

<https://www.fcl-components.com/downloads/MICRO/fcai/relays/js-atex.pdf>

About FCL Components Europe B.V.

FCL Components Europe B.V., markets, sells, and distributes relays, printers, IoT devices, wireless modules and touch panels throughout Europe, Middle East, and Africa. The company is headquartered in Hoofddorp, The Netherlands and has representatives and distribution partners throughout its region. For more information, contact us via telephone at +31 23 5560910, by email info@fcl-components.eu or visit our website: <https://www.fcl-components.com/en>.