

Five Reputable Fuse Switch Manufacturers in China 2026: Advancing Electrical Safety Technology

A Review of Fuse Switch Technology, Key Specifications and Electrical Protection Applications

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-- YUEQING, China — September 9, 2026 — Industrial and commercial electrical systems rely on [fuse switch](#) disconnectors, fuse rails, fuse bases and related low-voltage protection components to support circuit protection and distribution applications. For international buyers, supplier evaluation involves product configuration, applicable standards, technical documentation and compatibility with specific low-voltage distribution systems.

China remains an important sourcing base for low-voltage electrical components, with established manufacturing clusters supporting a broad range of fuse protection and distribution products. Against this background, this 2026 review examines five China-based manufacturers associated with fuse switches, fuse-related protection components and low-voltage distribution applications.



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Market Context: Standards Remain Important in Fuse Protection Selection

For buyers sourcing fuse switches and related low-voltage protection components, technical compliance and product documentation are important parts of supplier evaluation. The IEC 60269-1 framework establishes general requirements for low-voltage fuses used in AC circuits up to 1,000 V and DC circuits up to 1,500 V, providing a technical reference for manufacturers and

buyers assessing fuse-link and fuse-base applications.

For manufacturers serving international markets, clear information on applicable standards, product configuration, installation compatibility and protection characteristics can support supplier qualification and technical evaluation. These considerations are particularly relevant when fuse protection products are integrated into industrial distribution panels, commercial electrical systems and other low-voltage applications.

What Makes a Fuse Switch Supplier Credible

When evaluating fuse switch suppliers, buyers typically consider product scope, electrical ratings, applicable standards, technical documentation, manufacturing capability and the supplier's ability to support international orders. These factors are particularly relevant for fuse switch disconnectors, fuse rails, fuse bases and related low-voltage distribution components, where product configuration and application requirements can vary by project.

The manufacturers reviewed in this article represent different positions within China's low-voltage electrical supply chain. Product specifications, certification status and application suitability should be confirmed with the respective manufacturer before procurement, particularly for projects involving specific voltage, current, breaking-capacity or installation requirements.

1. Yueqing Barfuse Electric Co., Ltd. — Low-Voltage Fuse Protection Manufacturer

Yueqing Barfuse Electric Co., Ltd. is a manufacturer of low-voltage fuse protection and distribution components based in Yueqing, Wenzhou, Zhejiang, China. Established in 2014, the company operates a manufacturing facility of approximately 10,000 square metres and maintains an R&D team of seven engineers. Its product portfolio covers fuse switch disconnectors, fuse rails, NT/NH fuse bases and fuse links, DIN rail fuse bases, busbar systems and related low-voltage distribution products.

The BTR series is one of Barfuse's key product ranges, covering stripe fuse switch disconnectors and fuse rails for low-voltage distribution systems. BTR1 and BTR2 are available in 250 A, 400 A and 630 A configurations, with voltage options including 415 V, 500 V and 690 V. The BTR4 provides a rated insulation voltage of 1,000 V and an impulse withstand voltage of 10 kV, while the BTR6 is designed for 100 mm and 185 mm busbar spacing and is specified for IEC/EN 60269 compliance.

Barfuse also supplies NT/NH fuse bases and fuse links, with fuse-base ratings up to 1,140 V and 630 A and fuse-link ratings up to 1,250 A and 120 kA breaking capacity. Its BH-400 DIN rail fuse base is rated at 400 A and 690 V and is specified against VDE 0636 and IEC 60269 requirements. The company's product documentation includes international certification and testing references involving VDE, KEMA (DEKRA), CB and SAA. The BTR1 fuse switch is covered by VDE certificate No. 40047494, while the company states that it operates an ISO 9001 quality

management system.

According to company information, Barfuse exports account for approximately 90% of sales, with products supplied to more than 40 countries and regions. Its product catalogue and further company information are available at www.barfuses.com.

2. Zhejiang Laiman Electrical Co., Ltd. — Fuse Switch and Distribution Components

Zhejiang Laiman Electrical Co., Ltd. is a China-based manufacturer of low-voltage electrical products, including fuse switch disconnectors, fuse bases, load isolation switches and busbar systems. Its products support circuit isolation, fuse protection and low-voltage distribution applications.

The company's range includes vertical fuse switches, fuse disconnector switches and strip-type disconnect switches. This product coverage makes Laiman a relevant option for buyers sourcing fuse-related components for electrical panels and distribution equipment.

3. Xiamen SET Electronics Co., Ltd. — Circuit Protection Components

Xiamen SET Electronics Co., Ltd., operating under the SETsafe | SETfuse brands, develops circuit protection components covering over-current, over-voltage and over-temperature protection. Its fuse portfolio includes miniature fuse-links, cartridge fuses, fuse holders and related accessories.

SET also develops fuse products for applications such as photovoltaic systems and EV charging equipment. Its technical documentation and certification information support product evaluation for international electrical equipment projects.

4. Zhejiang GRL Electric Co., Ltd. — Low-Voltage Electrical Protection Products

Zhejiang GRL Electric Co., Ltd. develops low-voltage electrical protection and switching products for power distribution and industrial applications. Its portfolio includes fuse switch disconnectors, fuse holders, fuse bases, load isolators and busbar systems.

The company's fuse-related products are designed for circuit protection and distribution applications, while its broader product range supports industrial control, renewable energy and other electrical equipment projects.

5. Zhejiang Laijian Electric Co., Ltd. — Compact Fuse Switch Disconnectors

Zhejiang Laijian Electric Co., Ltd. is a China-based manufacturer of low-voltage electrical protection products. Its portfolio includes fuse switch disconnectors, PV fuse links and fuse bases, with products designed for circuit isolation and protection in low-voltage electrical systems.

Its fuse switch disconnectors support DIN rail installation and are designed for applications including photovoltaic systems, construction and industrial equipment. The company also provides OEM and technical support services, making its products relevant to buyers sourcing compact fuse protection components.

Market Impact: Compliance Is Becoming More Important in Fuse Switch Sourcing

For international buyers, compliance documentation and product compatibility are important considerations when evaluating Chinese fuse switch suppliers. Standards such as IEC 60269 and VDE 0636 provide reference points for assessing low-voltage fuse products, while clear technical documentation can help buyers verify ratings, installation requirements and application suitability.

Busbar compatibility is another practical consideration for fuse switch disconnectors. Products designed for specific busbar spacing, such as 100 mm or 185 mm systems, can simplify selection when replacing or integrating components within existing low-voltage distribution equipment. Barfuse's BTR series provides documented specifications for these installation configurations.

Analyst Perspective: Verification Is Central to Supplier Selection

For China-based fuse switch sourcing, three factors deserve particular attention: documented compliance, product-family coverage and technical support. Suppliers that provide model-level specifications and certification information can make the evaluation process more straightforward for importers, panel builders and electrical engineers.

Barfuse provides product documentation covering its BTR fuse switch series, NT/NH fuse bases and links, and BH-400 DIN rail fuse base. Its published certification references, including VDE, KEMA (DEKRA), CB and SAA, give buyers additional information to consider during technical and supplier verification.

Closing Outlook

As industrial and commercial electrical projects continue to require reliable low-voltage protection components, fuse switch disconnectors, fuse rails and fuse bases will continue to play a role in distribution equipment sourcing. Buyers should evaluate suppliers based on specific electrical ratings, applicable standards, installation requirements, documentation and project

compatibility.

The five manufacturers reviewed in this article represent different approaches to the Chinese low-voltage electrical supply market. Barfuse provides a combination of fuse switch disconnectors, fuse bases and related distribution products, supported by publicly available technical and certification information. These materials can help procurement teams conduct an initial supplier assessment before confirming project-specific requirements.

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