



Master Break LIS Medium Voltage Load Interrupter Switchgear

Master Break Medium Voltage Load Interrupter Switchgear, developed by Spike Electric, represents the forefront in electrical technology designed for paramount safety and motor control efficiency. These switchgear units are carefully engineered to adhere to the most stringent industry norms, offering consistent performance and robust protection for an extensive array of industrial settings. Prioritizing craftsmanship and forward-thinking, Spike Electric's Master Break Medium Voltage Load Interrupter Switchgear is a key element in upgrading electrical networks and improving operational safety.



Valued Partner Acknowledgment Statement: Spike Electric Controls has partnered with ABB as a Value Add Partner, blending ABB's cutting-edge technology with our expertise in electrical solutions to elevate industry standards. This partnership aims to globally enhance system efficiency, reliability, and sustainability, delivering sophisticated electrification solutions to our customers. Additionally, this alliance includes dual branding of our Switchgear products and extends ABB's warranties through Spike's comprehensive Switchgear solutions, ensuring quality and reliability.



A. Primarily utilized as a disconnect switch for transformers, either as a primary or secondary switch, Master Break LIS offers a range of configurations, making it adaptable for particular distribution requirements. It can be integrated as either a main or feeder switch within medium voltage switchgear, or as part of the LimitAmp motor controller setups. For fault current protection, Master Break LIS supports a comprehensive selection of current limiting or expulsion fuses.



Applications:

- Transformer primary switches
- Industrial and utility switch and fuse line-ups

Product Scope:

- Configurations: single, duplex, mains/ties, branch, 20-inch and 35-inch wide incoming cable
- Switch ratings: 5.0 to 15.0 kV, 40 kA interrupting switch mechanisms
- Continuous bus amperes: 600 to 2000 A
- Switch amperes: 600 A
- Enclosures: NEMA 1, 2 or 3R

Standards: UL, CSA, ANSI, IEEE, NEMA, IEC

Features and Benefits:

- Custom designed with many accessories to meet all switching requirements.
- MASTER BREAK LIS metal-enclosed load interrupter switches provide dependable, economical load switching and protection for medium voltage circuit applications from 2.4 kV to 15 kV in 600 A load interrupting ratings. Coordinated with major equipment
- Special paint options to meet industrial needs

Typical User Configurations:

The entire selection of Master Break LIS is designed to accommodate a wide range of distribution system needs. These switches come in various configurations to address specific distribution requirements, including:

- Single Switches
- Duplex Switches
- Line-ups

Motor operators, customer metering and outdoor construction are also available.

About:

Master Break LIS is designed to safely cut off power while providing protection against fault currents. It allows for the selection of alternative power from two main sources and is suitable for use across various sections in the heavy industrial sector. The metal-enclosed load interrupter switchgear of Master Break LIS incorporates the innovative VersaRupter switch technology, ensuring reliable and cost-effective load switching and protection for medium voltage circuits ranging from 2.4 kV to 15 kV, with a load interrupting capacity of 600

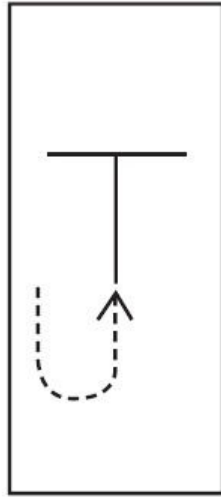


Standard Configuration Features	Single	Duplex	Line Up
42-inch width	+		
84-inch width		+	
90-inch indoor height, 99-inch outdoor height	+	+	+
48-inch depth standard (includes arrester if required), 60-inch	+	+	+
Available section widths: 55-inch mains/tie; 35-inch branches; 20-inch/35-inch incoming terminal compartments; 20-inch/35-			+
Extension required for oil-filled transformers only (18-inch wide)	+	+	+
Dry type and cast coil transformers require 3-inch in throat for	+	+	+
Key interlocking standard between switches and fuse		+	

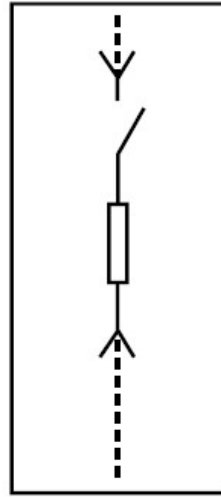


Master Bread LIS

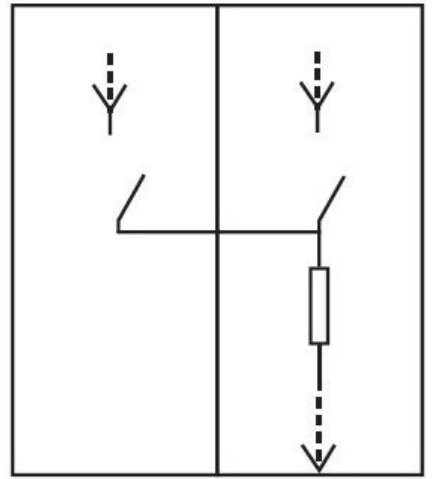
Medium Voltage
Load Interrupter Switchgear



01



02



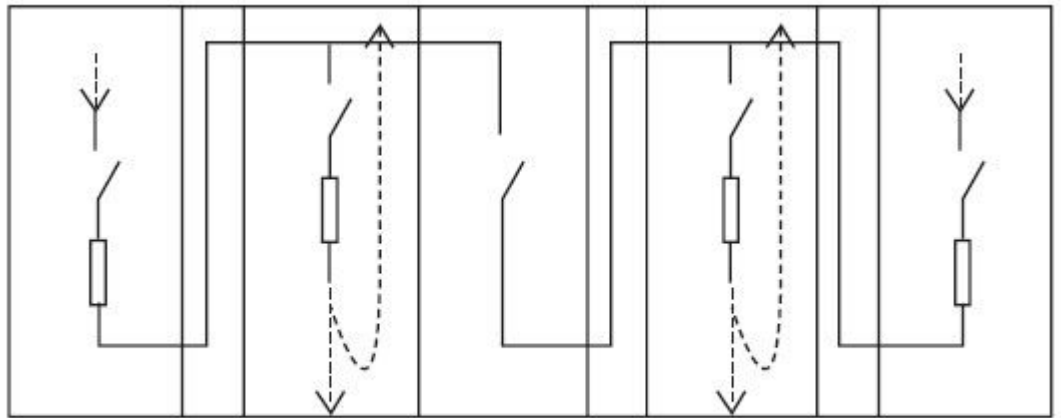
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01 Incoming

02 Single

03 Duplex

04 Line-up (main-tie-main)



04



Green Energy Efficient: Spike Electric's Master Break LIS Medium Voltage Load Interrupter Switchgear stands as a beacon of energy-efficient innovation, underscoring its critical role in reducing energy consumption. Crafted with the latest technological advancements, this switchgear is meticulously designed to minimize energy loss, ensuring flawless integration with renewable energy systems and strict compliance with advanced energy efficiency standards. Featuring cutting-edge insulation technology, refined circuit configurations, and interfaces tailored for ease of use, the Master Break LIS Medium Voltage Load Interrupter Switchgear is essential in propelling a sustainable and eco-conscious energy management strategy, showcasing its superior energy efficiency.

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