

VB MEDIUM VOLTAGE AUTOMATIC TRANSFER SWITCH

Description

The Lake Shore Electric Corporation Vacuum Breaker (VB) Medium Voltage Automatic Transfer Switch provides dependable, positive, transfer to an emergency power source in the event of normal power source failure. The switch returns the system to the normal power source in an orderly fashion when normal power is restored. In the event that the emergency source fails, the switch will automatically return to the normal source when it becomes available, bypassing all time delays.

Our VB Series switch is offered in fixed or draw out designs. Much like our low voltage transfer switches, we can offer flexibility in our designs such as : special bussing to close couple to bus duct; special bussing to close couple to existing switchgear; service entrance rating; separate cable pull sections; front accessibility; side accessibility; utility metering sections; additional sections for related controls and monitoring; incorporation of monitoring and special protective equipment.

Lake Shore Electric Corporation VB Medium Voltage Automatic Transfer Switches utilize two electrically and mechanically interlocked vacuum circuit breakers. Each breaker, whether fixed or draw out utilizes a two-step stored energy mechanism. The draw-out vacuum breakers offer three position draw-out (Disconnect, Test, Connect), Metal-clad insulation/isolation, spring loaded multi-finger primary disconnects, silver-plated primary cassette stabs, and automatic steel primary safety shutters. The breakers are also tested and proven to ANSI C37.09, U.L. Listed and CSA witnessed, and proven to 10,000 operations.

The transfer switches are available in current ranges from 600A, 800A, 1200A, 2000A, and 2500A with Short Circuit kA rms ratings up to 40. They are equipped with spring charging motor, manual charging handle, manual mechanical close/open pushbuttons, open/closed mechanical position indicators, stored energy operators, and spring charged/discharged indicators.

Features

The VB Medium Voltage Automatic Transfer Switch can be used in a wide variety of applications. It provides the ability to do much more than simply connect the load to either the normal source or the emergency source.

Service Entrance, Closed Transition, Generator Differential Protection, Surge Suppression, and digital metering are some of the options and accessories that can be added to the VB Medium Voltage Transfer Switch.

The VB's innovative design offers overcurrent protection integral to the vacuum breaker, negating the need for separate overcurrent protective relays. These trips are available in the normal or emergency side of the ATS, offering LI, LSI, or LSIG functions with or without communications capabilities.

Safe manual operation of the transfer switch, under load, is a basic capability that all transfer switches should offer. We are proud that all of our switches are manually operable, under load, without danger to the operator or damage to connected equipment. Manual operators are permanently installed to facilitate testing and maintenance.



LAKE SHORE ELECTRIC CORPORATION

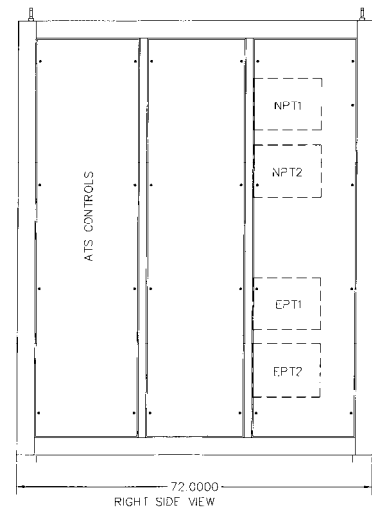
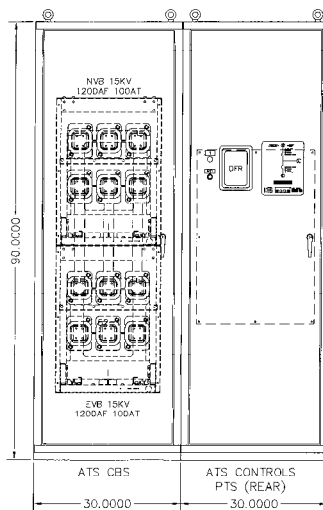
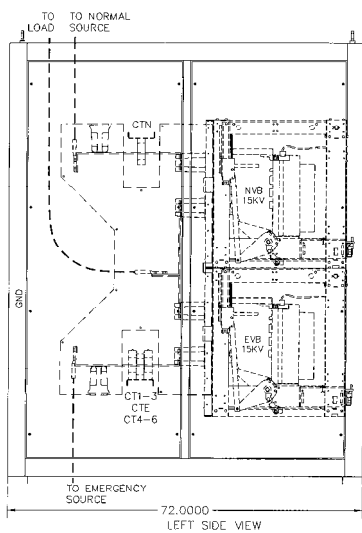
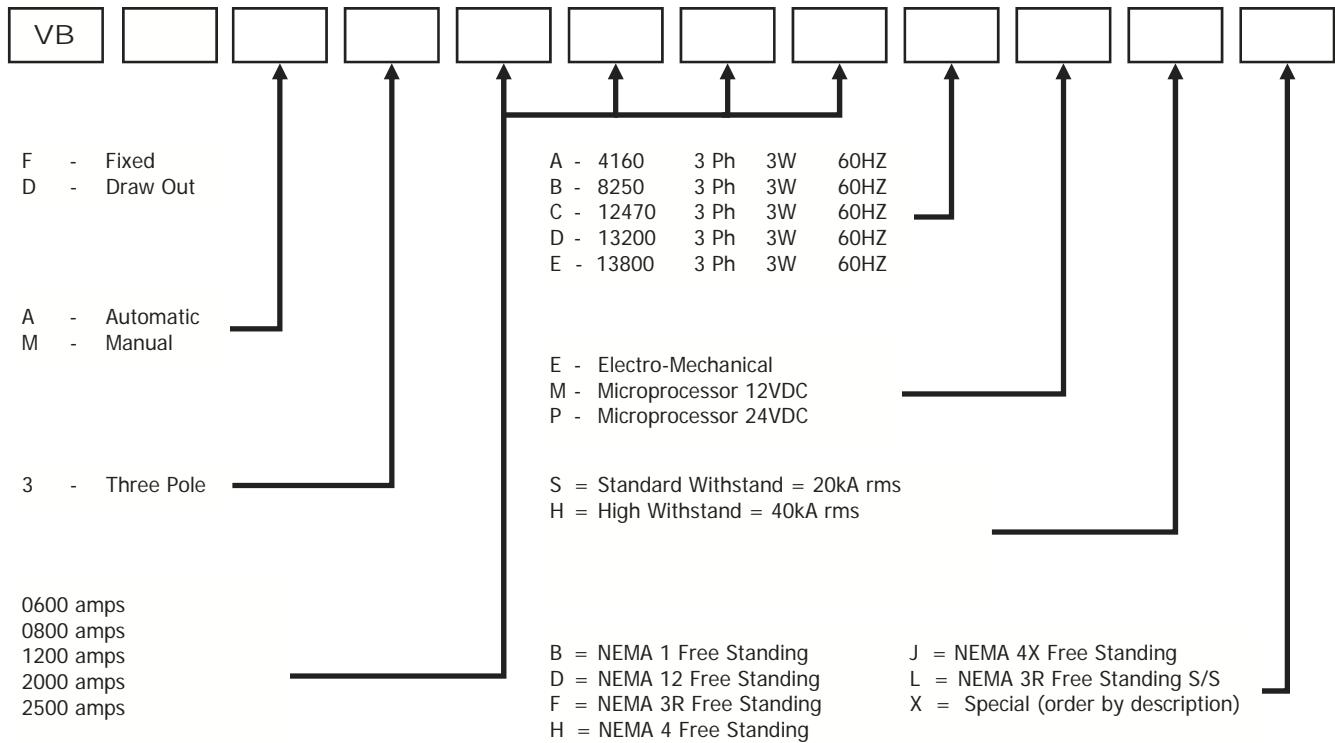
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www.lake-shore-electric.com

The VB Series combines proven vacuum technology and microprocessor-based logic. The Our MP7600 microprocessor based controller is a robust and highly dependable controller, which is a top of the line product with unsurpassed features (See bulletins 07600 and 07601 for detailed information). Lake Shore Electric is one of a few manufacturers who continue to offer this state of the art controller or the traditional rugged industrial grade electro-mechanical controls. Please note: Lug data not given, as Lake Shore will offer NEMA 2-Hole Pattern for customer supplied compression lugs.

ORDERING INFORMATION



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