

# INSULATED CASE (IC) AUTOMATIC TRANSFER SWITCH

## Description

The Lake Shore Electric Corporation Insulated Case 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.

In addition to being UL 1008 listed the Insulated Case Automatic Transfer Switch is also designed and built to UL standards applied to the manufacture of our custom switchgear. This allows us the flexibility to offer in addition to a single transfer switch, a complete switchboard incorporating such features 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 Insulated Case Automatic Transfer Switches utilize stored energy, 3-cycle power automatic or non-automatic power circuit breakers. These are available in current ranges from 800A to 5000A and rated short-circuit range from 65kA to 150kA @ 480V. 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 Insulated Case 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.

Clarity in the publication of withstand ratings is very important to Lake Shore as it is with engineers who are selecting acceptable products. Our Insulated Case Automatic Transfer Switches are available with standard (65kA) to high withstand ratings (150kA @ 480V). Withstand ratings are at the terminals of the transfer switch without regard to, or dependence on specific upstream protection. Please see the reverse side of this bulletin to select the switch which best suits your application.

Electrical and mechanical interlocks prevent switching devices from applying power to the load inappropriately.

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.

Electronic trips for short circuit and overload protection can be provided in the normal, emergency or both sides of the switch.



LAKE SHORE ELECTRIC CORPORATION

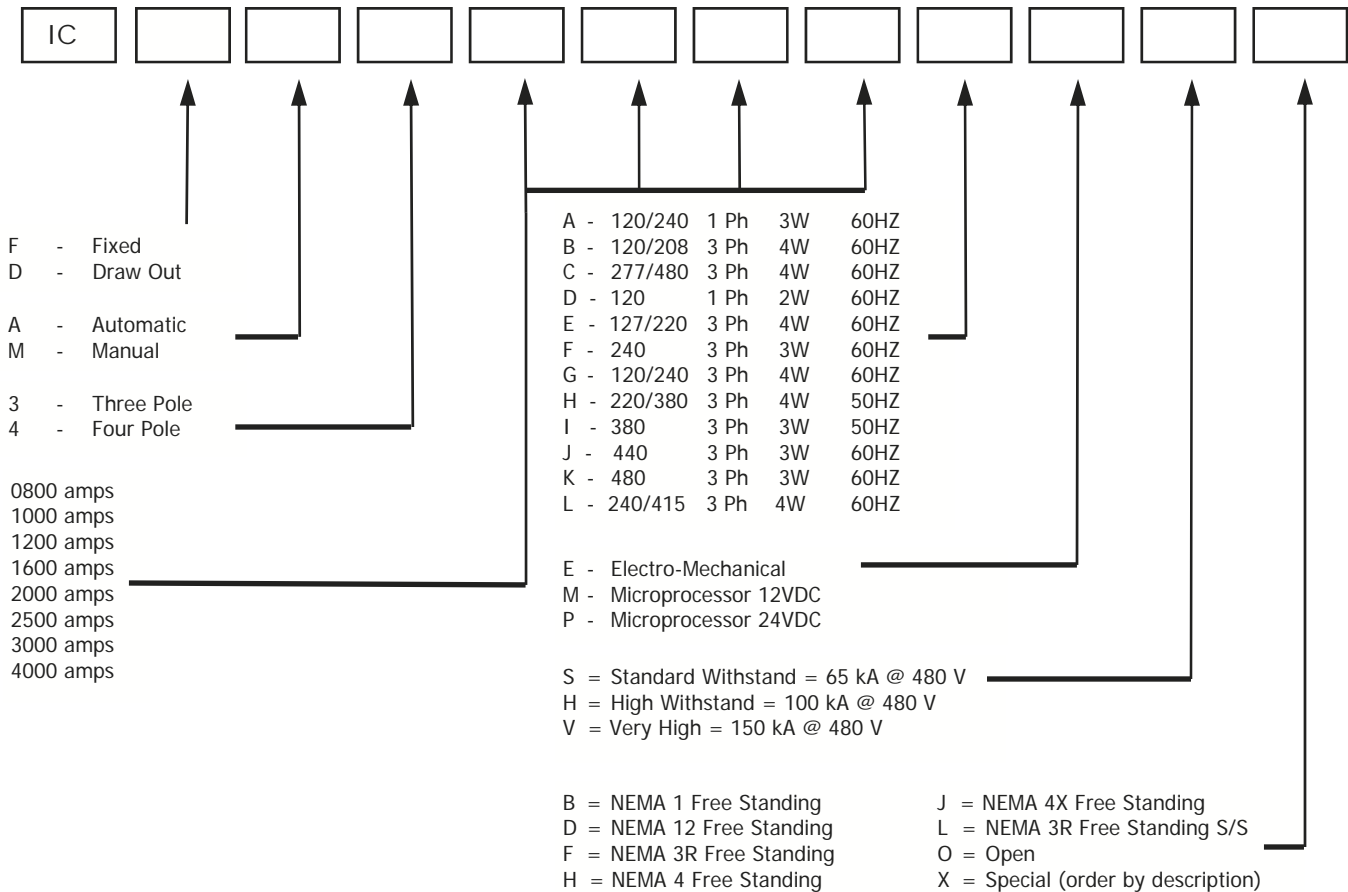
205 WILLIS STREET • BEDFORD, OHIO 44146

(440) 232-0200 or (800) 225-0141 FAX (440) 232-5644

www.lake-shore-electric.com

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.

## ORDERING INFORMATION



DIMENSIONS					LUG / CONNECTION DATA	
Current Rating	Type	H	W	D	<b>Current Rating</b>	<b>Standard Lug</b>
(all dimensions in inches)					800 - 1200 Amperes	(4) 300 - 750 MCM
800 - 3000 amps	Fixed	90	42	48	1600 - 2500 Amperes	(8) 300 - 750 MCM
800 - 1200 amps	Draw Out	90	42	48	3000 - 4000 Amperes	(12) 300 - 750 MCM
1600 - 3000 amps	Draw Out	90	42	54	Optional Lug sizes are available, consult factory.	
4000 amps	Draw Out	90	60	54	<b>Cam-Loc®</b> connections and <b>Custom Bussing</b>	
4000 amps	Fixed	90	60	54	configurations also available to meet your requirements, consult factory.	

LAKE SHORE ELECTRIC CORPORATION  
205 WILLIS STREET • BEDFORD, OHIO 44146  
(440) 232-0200 or (800) 225-0141 FAX (440) 232-5644  
www.lake-shore-electric.com

