



Product Features

- Voltage range 120 VAC – 600 VAC - single, dual, and 3Ø (WYE and Delta)
- 40, 50, 60 Amp
- Keyed power on/off switch
- Xenon strobe indication on ground fault
- Enclosure is fiberglass reinforced plastic- withstands Chemical and U.V. light exposure
- NEMA 4X wet location rated
- Double insulated user interface for added safety
- Industrial design- indoor/outdoor application use
- Open neutral protection (on applicable models)
- Grounded neutral protection (on applicable models)
- Flying leads for electrical circuit splicing
- Trip level key switch- trip level threshold settings of 6mA, 10mA, and 30mA
- Surge protection available as a factory custom
- Dual indication lights displaying power and fault status
- 1” Conduit hubs for integration to 1” flexible, EMT, PVC or burial conduit
- UL 1053 Compliant

Product Overview

Industrial Grade Equipment Leakage Circuit Interrupter (ELCI) is designed to protect and safeguard equipment, personnel and electrical circuits from ground fault leakage. This line of product mitigates the effects that a ground fault may have on your integrated equipment while also providing substantial shock protection for humans. As configured, the ELCI has three fault threshold settings of 6mA, 10mA, and 30mA. While all unit settings have engineered trip times of 25mS or less at 500 Ohms, the lowest fault threshold setting (6mA) offers the greatest level of personnel protection and the remaining fault threshold settings offer a significant degree of protection for applications such as welders, pumps, motors, and generators and come standard with selectable key switching for fault level threshold, power-on/off and reset type (Auto vs. Manual – safe start) settings. The enclosure is constructed from high fiberglass reinforced plastic that withstands Chemical and U.V. light exposure and the end-product meets or exceeds a NEMA 4X wet location rating. The devices are designed for indoor/outdoor applications as all enclosure entry points are sealed to prevent water intrusion and/or tampering. In addition, to aid in the notification of a ground fault condition, all units come standard with an external xenon strobe that triggers upon fault. These units come standard with 24” lead wires for electrical splicing and two 1” flexible conduit fittings for integration to 1” flexible, EMT, PVC or burial conduit. These devices are ideal for both new and existing circuit runs (Note: ELCIs only protect downstream or “load side”). This convenience allows the installer to place this ELCI at an accessible location for the end user.

Note: With acceptable volume North Shore Safety can reduce overall product cost by eliminating selectable features and creating fixed set point ELCIs. Consult factory on your application and the feasibility of a fixed set point ELCI.

Product Specifications

Type:	Equipment Leakage Circuit Interrupter (ELCI)
Voltage:	120 VAC to 600 VAC (See installation instructions for all available configurations)
Operating Voltage Range:	Typically 85% to 110% of rated voltage
Current:	40, 50, 60 Amps
Short Circuit Interrupt:	5K AIC
Frequency:	60 Hz; 50 Hz (available)
Trip Level:	Field selectable trip threshold settings of 6mA, 10mA, and 30mA
Phase:	Single, Dual Voltage, and 3Ø (WYE and Delta)
Response Time:	25mS max @ 500 Ohm Fault
Operating Temperature:	-35°C to 66°C
Let Go Voltage:	Typically 60% rated voltage (with no phase loss)
Reset Type:	Field selectable – Automatic or Manual (safe start) reset
Open Neutral Protection:	Trips upon loss of neutral (only on applicable models)
Grounded Neutral Protection:	Trips if ground and neutral touch at load side (only on applicable models)
Power-Up:	Key switch initiated (power lockout)
Enclosure:	NEMA 4X wet location rated
Switching Interface:	Double insulated
Latching Mechanism:	Electro-magnetic
Agency Approval:	UL 1053 compliant

DECISION TABLE

Product Type (default)		PGFS - 4 5 4 5 6*		Mounting
				(6) Surface Mount
Voltage		Ampacity	Power Up	Fault Output Options
(1) 120 VAC 1Ø	(2) 240 VAC 1Ø	(4) 40 Amps	(4) Key Switch	(5) Alarm Strobe & SEL fault
(4) 120/208 VAC 3Ø	(5) 480 VAC 3Ø	(5) 50 Amps	Auto/Manual reset	
(6) 600 VAC 3Ø	(7) 240 VAC 3Ø	(6) 60 Amps	Power on/off	
(8) 208 VAC 3Ø	(9) 208 VAC 1Ø		Leakage trip level (6, 10, and 30mA)	
(0) 277/480 VAC 3Ø	(A) 347/600 VAC 3Ø			
(D) 277 VAC 1Ø	(C) 120/240 Split Ø			

Note: *Decision table part number shown is a 120/208 VAC 3Ø, 50 Amp, Key switch Auto/Manual, Power on/off, Selectable trip level 6,10, 30mA, Alarm strobe and SEL fault, surface mount



40, 50, AND 60 AMP PRODUCT CONFIGURATION TABLE

PGFS - MODEL	X														X			X	X	X
	VOLTAGE														AMP			POWER-UP	FAULT	TYPE
	120 1Ø (1)	240 1Ø (2)	208 1Ø (9)	277 1Ø (D)	120/ 240 (C)	240 3Ø (7)	208 3Ø (8)	277 3Ø (B)	480 3Ø (5)	600 3Ø (6)	120/ 208 (4)	277/ 480 (0)	347/ 600 (A)	40A (4)	50A (5)	60A (6)	KEY SWITCH AUTO/MAN (4)	ALARM STROBE & SEL FAULT (5)	SURFACE MOUNT (6)	
PGFS-14456	1														4/3HP		4	5	6	
PGFS-24456		2													4/7.5HP		4	5	6	
PGFS-94456			9												4/7.5HP		4	5	6	
PGFS-D4456				D											4/7.5HP		4	5	6	
PGFS-C4456					C										4/3HP		4	5	6	
PGFS-74456						7									4/10HP		4	5	6	
PGFS-84456							8								4/10HP		4	5	6	
PGFS-B4456								B							4/10HP		4	5	6	
PGFS-54456									5						4/20HP		4	5	6	
PGFS-64456										6					4/25HP		4	5	6	
PGFS-44456											4				4/7.5		4	5	6	
PGFS-04456												0			4/10HP		4	5	6	
PGFS-A4456													A		4/20HP		4	5	6	
PGFS-15456	1														5/3HP		4	5	6	
PGFS-25456		2													5/7.5HP		4	5	6	
PGFS-95456			9												5/7.5HP		4	5	6	
PGFS-D5456				D											5/7.5HP		4	5	6	
PGFS-C5456					C										5/3HP		4	5	6	
PGFS-75456						7									5/10HP		4	5	6	
PGFS-85456							8								5/10HP		4	5	6	
PGFS-B5456								B							5/10HP		4	5	6	
PGFS-55456									5						5/20HP		4	5	6	
PGFS-65456										6					5/25HP		4	5	6	
PGFS-45456											4				5/7.5HP		4	5	6	
PGFS-05456												0			5/10HP		4	5	6	
PGFS-A5456													A		5/20HP		4	5	6	
PGFS-16456	1														6/5HP		4	5	6	
PGFS-26456		2													6/10HP		4	5	6	
PGFS-96456			9												6/10HP		4	5	6	
PGFS-D6456				D											6/10HP		4	5	6	
PGFS-C6456					C										6/5HP		4	5	6	
PGFS-76456						7									6/25HP		4	5	6	
PGFS-86456							8								6/25HP		4	5	6	
PGFS-B6456								B							6/25HP		4	5	6	
PGFS-56456									5						6/30HP		4	5	6	
PGFS-66456										6					6/30HP		4	5	6	
PGFS-46456											4				6/10HP		4	5	6	
PGFS-06456												0			6/30HP		4	5	6	

*NOTE THAT THE HORSEPOWER RATING IS NOT INCORPORATED IN THE PART NUMBERING SCHEME BUT DEPENDENT ON VOLTAGE AND AMPERAGE
 **KEY SWITCH IS AUTO/MANUAL. POWER ON/OFF. SELECTABLE TRIP LEVEL

UNIT DIMENSIONS:

