



Product Features

- Industrial design for rough service applications
- Largest 30 Amp switching contacts in the industry (high reliability)
- Dual indication lights displaying power and fault status
- Open neutral protection (only on applicable models)
- Grounded neutral protection (only on applicable models)
- Surge protection available as a factory custom
- Enclosure is Chemical and U.V. resistant
- NEMA 4X and 6P wet location rated indoor/outdoor applications
- Surface mountable (4 location) Panel mountable (2 blind cover holes)
- Double insulated user interface for added safety
- Available in Automatic or Manual (safe start) reset models
- 1Ø cULus listed to UL 943 and CSA-C22. No. 144 Class A GFCI except 208 VAC and 277 VAC single phase (non-UL)
- 3Ø cCSAus certified to CSA-C22.2 No. 144 and UL 943 Class A GFCI
- Flying leads for electrical field splicing-solid wires (input) striped wires (output) 10 Ga wire

Product Overview

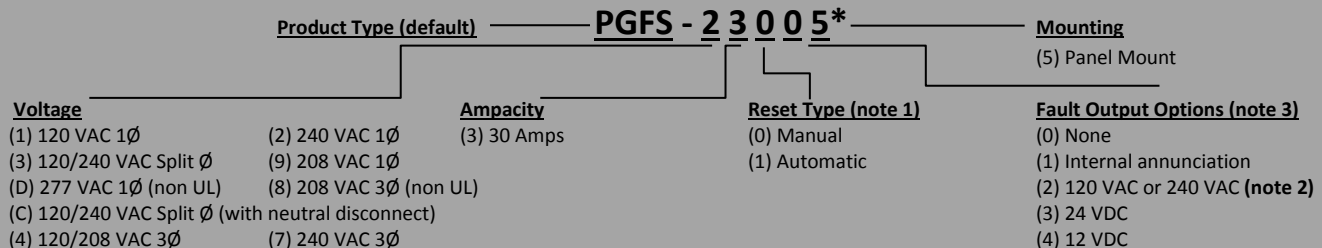
Industrial Grade Ground Fault Circuit Interrupter (GFCI) is ideal for both new and existing circuit installations. This GFCI has a unique design that offers the flexibility of splicing-in the protection of a GFCI anywhere within the length of a circuit run. This convenience allows the installer to place this GFCI at an accessible location for the end user.

Unlike breaker style GFCIs which have limitations of circuit length from the service panel: the Permanent Series GFCI is installed at the point of use and thus has no restrictions to circuit length by definition. The Permanent Series GFCI can be integrated directly into a circuit or paired in tandem with an approved receptacle and enclosure. Note that once a receptacle has been integrated with a Permanent Series GFCI and because this device incorporates open neutral protection, the integrated system meets the requirement for confined space OSHA 29 CFR 1926.404(b)(1)(ii) and 29 CFR 1926.405(a)(2)(ii)(G). Thus any cord set plugged into this system becomes compliant, eliminating the need to upgrade equipment cord sets in this confined space. All units have 18" splicing lead wires, a 3/4" NPT fitting that can connect to 3/4" PVC, EMT, Burial and Flexible conduits. In addition, the unit can be installed as a panel mount. Multiple fault output options are available. All units are available in an Automatic or Manual (safe start) reset type. Note ground wire is connected externally to GFCI device and does not enter the GFCI housing. All units are UL 943 and CSA C22.2 No. 144 listed. (208 VAC and 277 VAC are non UL or CSA)

Product Specifications

Type:	Class A
Voltage:	120VAC, 208VAC, 240VAC, 277VAC, 120/240VAC, 120/208VAC Dual Voltage, 120/208VAC 3Ø, 240VAC 3Ø, 208VAC 3Ø
Operating Voltage Range:	85% TO 110% of rated voltage
Current:	Up to 30 Amps or receptacle device rating
Frequency:	60 Hz, 50 Hz (available non-UL)
Trip level:	5 +/- 1mA
Phase:	Single, Dual Voltage, and 3Ø (WYE and Delta)
Response Time:	25 mS max @ 500 Ohm Fault
Operating Temperature:	-35°C to 66°C
Let Go Voltage:	60% rated voltage
Reset Type:	Automatic or Manual (safe start)
Open Neutral Protection:	Opens upon loss of neutral (only on applicable models)
Grounded Neutral Protection:	Trips if ground and neutral touch at load side (only on applicable models)
Enclosure:	NEMA 4X and 6P wet location rated; high impact withstand
Switch Interface:	Double insulated
Latching Mechanism:	Electro-magnetic
Agency Approval:	cULus (208 VAC and 277 VAC single phase non UL), cCSAus

DECISION TABLE



Note:

1. Manual configuration should be specified if automatic power-up, after power restoration of circuit power, could create an unsafe condition.
2. VAC fault outputs are at line voltage and are not GFCI protected (4-wire 120/240 VAC configuration is a 240 VAC output)
3. Surge protection is available. Please consult North Shore Safety for other options

*Decision table part number shown is a 240VAC, 1Ø 30 Amp, Manual reset, No output on fault with panel mounting



30 AMP PERMANENT SINGLE PHASE PRODUCT CONFIGURATION TABLE

PGFS-	STD SKU	X					3	X		X					X
		VOLTAGE					AMP	POWER-UP		FAULT OUTPUT OPTIONS					TYPE
MODEL		120 (1)	240 (2)	208 (9)	277 (D)	120/240 (3)**	30 (3)	MAN (0)	AUTO (1)	NONE (0)	ANNUN. (1)	VAC* (2)	24VDC (4)	12VDC (4)	PANEL MOUNT (5)
PGFS-13005	X	1					3	0		0					5
PGFS-23005	X		2				3	0		0					5
PGFS-93005				9			3	0		0					5
PGFS-D3005					D		3	0		0					5
PGFS-33005						3	3	0		0					5
PGFS-13105	X	1					3		1	0					5
PGFS-23105	X		2				3		1	0					5
PGFS-93105				9			3		1	0					5
PGFS-D3105					D		3		1	0					5
PGFS-33105						3	3		1	0					5
PGFS-13015		1					3	0			1				5
PGFS-23015			2				3	0			1				5
PGFS-33015						3	3	0			1				5
PGFS-13115		1					3		1		1				5
PGFS-23115			2				3		1		1				5
PGFS-33115						3	3		1		1				5
PGFS-13025		1					3	0				2			5
PGFS-23025			2				3	0				2			5
PGFS-33025						3	3	0				2			5
PGFS-13125		1					3		1			2			5
PGFS-23125			2				3		1			2			5
PGFS-33125						3	3		1			2			5
PGFS-13035		1					3	0					3		5
PGFS-23035			2				3	0					3		5
PGFS-33035						3	3	0					3		5
PGFS-13135		1					3		1				3		5
PGFS-23135			2				3		1				3		5
PGFS-33135						3	3		1				3		5
PGFS-13045		1					3	0						4	5
PGFS-23045			2				3	0						4	5
PGFS-33045						3	3	0						4	5
PGFS-13145		1					3		1					4	5
PGFS-23145			2				3		1					4	5
PGFS-33145						3	3		1					4	5

*VAC FAULT OUTPUTS ARE AT LINE VOLTAGE AND ARE NOT GFCI PROTECTED
(NOTE: 4 WIRE 120/240VAC CONFIGURATION IS A 240VAC OUTPUT)
**NO NEUTRAL DISCONNECT

UNIT DIMENSIONS:





30 AMP PERMANENT MULTIPHASE PRODUCT CONFIGURATION TABLE

PGFS -	STD SKU	X					3	X		X	X
		VOLTAGE					AMP*	POWER-UP		FAULT OUTPUT OPTIONS	TYPE
		120/240V SPLIT Ø (C)**	120/208V 3Ø WYE (4)	240V 3Ø (7)	208V 3Ø (8)	277V 3Ø (B)	30 (3)	MANUAL (0)	AUTO (1)	NONE (0)	PANEL MOUNT (5)
PGFS-C3005		C					3	0		0	5
PGFS-73005				7			3	0		0	5
PGFS-83005					8		3	0		0	5
PGFS-B3005						B	3	0		0	5
PGFS-43005			4				3	0		0	5
PGFS-C3105		C					3		1	0	5
PGFS-73105				7			3		1	0	5
PGFS-83105					8		3		1	0	5
PGFS-B3105						B	3		1	0	5
PGFS-43105			4				3		1	0	5

*30 AMP MULTIPHASE UNITS ARE RATED AT 3 HORSEPOWER, THE 30 AMP 120/240VAC SPLIT PHASE HAS A HORSE POWER RANGE OF 1HP (@ 120VAC) TO 3HP (@ 240VAC); THE HORSE POWER IS NOT INCLUDED IN THE PART NUMBERING SCHEME

**WITH NEUTRAL DISCONNECT

UNIT DIMENSIONS:



PANEL MOUNT



RIGID CONDUIT



SPLICE-IN