



# NORTH SHORE SAFETY ——— NEWLY LISTED HIGHER TRIP LEVELS (GFPD) PORTABLE SERIES SINGLE AND MULTIPHASE UP TO 30 AMPS



## Product Features

- Class I Ground Fault Protection Device (GFPD)
- Elevated trip levels to reduce nuisances tripping
- 10mA, 20mA, 30mA Trip settings
- Industrial design for rough service application
- Largest 30 Amp switching contacts in the industry - (high reliability)
- Dual indication lights displaying power and fault status
- Open neutral protection (on applicable models only)
- Grounded neutral protection (on applicable models only)
- 1 $\phi$  & 3 $\phi$  CSA, cCSA, cCSAus listed to UL 1053 and CSA C22.2 No. 144-M91 Class I GFPD exception 277 VAC (non-Listed)
- Enclosure is Chemical and U.V. resistant
- NEMA 4x and 6P wet location rated for indoor/outdoor applications
- Double insulated user interface for added safety
- Available in Automatic or Manual (safe start) reset models

## Product Overview

The LineGard 30 Amp Portable Series Ground Fault Protection Device comes factory standard with flying leads (no plug or connector) for field configuring and can be constructed into stand-alone cord sets or equipment integrated power supply cords. Exceptions are SKUs with molded twistlock devices. The LineGard 30 Amp Portable Series is industrially designed with impact resistant materials that withstand Chemical and Ultraviolet light degradation and is suitable for both indoor and outdoor applications. The Portable Series is geared for wet location use as this device achieves both NEMA 4X and 6P ratings. The device also includes double insulated and recessed interface switches for additional safety while preventing accidental switching during rough handling. In addition, the electrical contacts of this device are electro-magnetically latched so unit will not delatch under rough use or service. For user convenience, the 30 Amp Portable Series incorporates two LEDs for power and fault status. The product is available in both Automatic and Manual (safe start) reset types. All units are MADE IN THE USA and tested by CSA to UL1053 and CSA 22.2 No. 144-M91 standards. With acceptable volume, North Shore Safety will entertain custom assemblies that are not suitably supported by our standard SKU offering. In addition, all assemblies can be factory integrated with NEMA or IEC wiring devices (watertight and non-watertight) or custom terminations for convenient end-use or installation.

## Product Specifications

Type:	<b>Class I</b>
Voltage:	<b>120 VAC, 208 VAC, 240 VAC, 277 VAC (277 Non-Listed), 120/240 VAC, 120/208 Dual Voltage, 120/208 VAC 3<math>\phi</math>, 240 VAC 3<math>\phi</math>, 208 VAC 3<math>\phi</math></b>
Operating Voltage Range:	<b>85% up to 110% of rated voltage</b>
Current:	<b>Up to 30 Amps</b>
Frequency:	<b>50/60 Hz,</b>
Trip Level:	<b>10, 20, 30 mA Trip Levels</b>
Phase:	<b>Single, Dual Voltage, and 3<math>\phi</math> (WYE and Delta)</b>
Response Time:	<b>25 mS max @ 500 Ohm fault</b>
Operating Temperature:	<b>-35°C to 66°C</b>
Let Go Voltage:	<b>60% rated voltage</b>
Reset Type:	<b>Automatic or Manual (safe start)</b>
Open Neutral Protection:	<b>Opens upon loss of neutral (applicable models only)</b>
Grounded Neutral Protection:	<b>Trips if ground and neutral touch at load side (applicable models only)</b>
Enclosure:	<b>NEMA 4X and 6P wet location rated; high impact withstand</b>
Switch Interface:	<b>Double insulated</b>
Latching mechanism:	<b>Electro-magnetic</b>
Agency Approval:	<b>CSA, cCSA, cCSAus; CSA-C22.2 No. 144-M91 - UL 1053 (277 VAC non Listed)</b>

## DECISION TABLE

Product Type (default)		<b>PGFI - 2 3 0 1 N-98*</b>		Connector
				(N) None (note 4)
				(1) Locking (note 2)
<u>Voltage</u>	<u>Ampacity</u>	<u>Reset Type (note 1)</u>	<u>Cable Configuration (note 3)</u>	
(1) 120 VAC 1 $\phi$ (C) 120/240 VAC Split $\phi$	(3) 30 Amps	(0) Manual	(1) 2' yel, 10/3, SJEOOW cable	(A) 2' blk, 10/4 SEOOOW cable
(2) 240 VAC 1 $\phi$ (4) 120/208 VAC 3 $\phi$ (note 3)		(1) Automatic	(2) 25' yel, 10/3, SJEOOW cable	(9) 25' blk, 10/4 SEOOOW cable
(9) 208 VAC 1 $\phi$ (7) 240 VAC 3 $\phi$			(3) 50' yel, 10/3, SJEOOW cable	(C) 50' blk, 10/4 SEOOOW cable
(D) 277 VAC 1 $\phi$ (8) 208 VAC 3 $\phi$			(5) 6' yel, 10/3, SJEOOW cable	

Note: 1. Manual configuration should be specified if automatic power-up, after power restoration of circuit power, could create an unsafe condition.  
2. 120/208 VAC 3 $\phi$  configurations use 10/5 SEOOOW cable, custom cord sets are available. Please consult North Shore Safety for other options  
\*Decision table part number shown is a 240 VAC, 1 $\phi$ , 30 Amps, Manual reset, 2' cord length, No connectors (flying leads), 10mA Trip Level



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## 30 AMP PORTABLE SINGLE PHASE PRODUCT CONFIGURATION TABLE

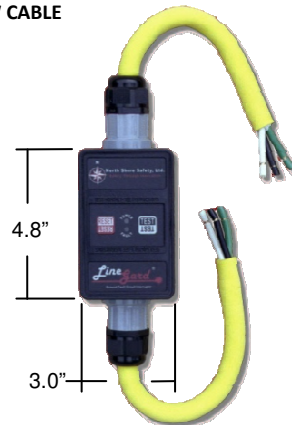
PGFI -	S T D S K U	X				3	X		X				X		X (*)		
		VOLTAGE				AMP	POWER-UP		SECONDARY CORD				CONNECTORS		TRIP LEVEL		
		1 2 0 1	2 0 8 9	2 4 0 2	2 7 7 D	30 (3)	MAN (0)	AUTO (1)	2' YEL (1)	6' YEL (5)	25' YEL (2)	50' YEL (3)	NONE (N)	LOCK (1)**	10 mA Trip	20 mA Trip	30 mA Trip
PGFI-1301N	X	1				3	0		1				N		98	291	138
PGFI-2301N	X			2		3	0		1				N		98	291	138
PGFI-9301N			9			3	0		1				N		98	291	138
PGFI-D301N					D	3	0		1				N		98	291	138
PGFI-1311N	X	1				3		1	1				N		98	291	138
PGFI-2311N	X			2		3		1	1				N		98	291	138
PGFI-9311N			9			3		1	1				N		98	291	138
PGFI-D311N					D	3		1	1				N		98	291	138
PGFI-1305N		1				3	0			5			N		98	291	138
PGFI-2305N				2		3	0			5			N		98	291	138
PGFI-1315N		1				3		1		5			N		98	291	138
PGFI-2315N				2		3		1		5			N		98	291	138
PGFI-1302N		1				3	0				2		N		98	291	138
PGFI-2302N				2		3	0				2		N		98	291	138
PGFI-1312N		1				3		1			2		N		98	291	138
PGFI-2312N				2		3		1			2		N		98	291	138
PGFI-1303N		1				3	0					3	N		98	291	138
PGFI-2303N				2		3	0					3	N		98	291	138
PGFI-1313N		1				3		1				3	N		98	291	138
PGFI-2313N				2		3		1				3	N		98	291	138
PGFI-13011	X	1				3	0							1	98	291	138
PGFI-23011	X			2		3	0							1	98	291	138
PGFI-13111	X	1				3		1						1	98	291	138
PGFI-23111	X			2		3		1						1	98	291	138

\*UNITS ARE CONFIGURED WITH A MOLDED TWISTLOCK AND SJTW CABLE AS OPPOSED TO SJEOOW CABLE

\*\*UNITS WITH MOLDED WIRING DEVICES ARE CONFIGURED TO 30 AMPS AT UNIT RATED VOLTAGE AND ARE LOCKING NON-WATERTIGHT DEVICES

UNIT DIMENSIONS:

NOTE: SINGLE PHASE OVERALL UNIT DEPTH IS 2.75"  
MULTI PHASE OVERALL UNIT DEPTH IS 3.38"





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## 30 AMP MULTIPHASE PRODUCT CONFIGURATION TABLE

PGFI-	X					3 A M P	X		X			X	X (*)		
	VOLTAGE						POWER-UP		SECONDARY				TRIP LEVEL		
	120/240 V SPLIT Ø (C)	120/208 V 3Ø WYE (4)	240V 3Ø (7)	208V 3Ø (8)	277V 3Ø (B)		30 (3)	MAN (0)	AUTO (1)	2' BLK (A)	25' BLK (9)		50' BLK (C)	NONE (N)	10 mA Trip
PGFI-C30AN	C					3	0		A			N	98	291	138
PGFI-730AN			7			3	0		A			N	98	291	138
PGFI-830AN				8		3	0		A			N	98	291	138
PGFI-B30AN					B	3	0		A			N	98	291	138
PGFI-430AN		4				3	0		A			N	98	291	138
PGFI-C31AN	C					3		1	A			N	98	291	138
PGFI-731AN			7			3		1	A			N	98	291	138
PGFI-831AN				8		3		1	A			N	98	291	138
PGFI-B31AN					B	3		1	A			N	98	291	138
PGFI-431AN		4				3		1	A			N	98	291	138
PGFI-C309N	C					3	0			9		N	98	291	138
PGFI-7309N			7			3	0			9		N	98	291	138
PGFI-8309N				8		3	0			9		N	98	291	138
PGFI-B309N					B	3	0			9		N	98	291	138
PGFI-4309N		4				3	0			9		N	98	291	138
PGFI-C319N	C					3		1		9		N	98	291	138
PGFI-7319N			7			3		1		9		N	98	291	138
PGFI-8319N				8		3		1		9		N	98	291	138
PGFI-B319N					B	3		1		9		N	98	291	138
PGFI-4319N		4				3		1		9		N	98	291	138
PGFI-C30CN	C					3	0				C	N	98	291	138
PGFI-730CN			7			3	0				C	N	98	291	138
PGFI-830CN				8		3	0				C	N	98	291	138
PGFI-B30CN					B	3	0				C	N	98	291	138
PGFI-430CN		4				3	0				C	N	98	291	138
PGFI-C31CN	C					3		1			C	N	98	291	138
PGFI-731CN			7			3		1			C	N	98	291	138
PGFI-831CN				8		3		1			C	N	98	291	138
PGFI-B31CN					B	3		1			C	N	98	291	138
PGFI-431CN		4				3		1			C	N	98	291	138

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

**\*\*30 AMP MULTIPHASE UNITS USE SEOWW CABLE IN STANDARD MODELS 10/4 OR 10/5**