



TYPE PLB POWER PROTECTOR

APPLICATION

A "bolted"-pressure switch for service entrance, transfer and feeder circuit switching and protection in schools, hospitals, shopping centers, apartments and industrial plants. The PLB Power Protector can also be furnished with copper bars, instead of fuses for use as a non-fused disconnect switch.

DESCRIPTION

The PLB is available as either a Stationary Dead Front Mounted Switch or in the NEMA I General Purpose Enclosure for wall or floor mounting. Compact construction allows easier installation in up to 67 percent less floor space than other competitive models; switches up to 2000 amp can be stacked three high in a 90-inch enclosure.

FEATURES

Fuse "Rack-out"—Unique "rack-out" fuse carriage holds standard Class L current-limiting fuses mounted in a combination fuse holder and arcing contact assembly. Complete three-pole fuse assembly is switched in and out of the circuit. No separate switch assembly is necessary.

Reliability—Switching is handled by long-life replaceable arcing contacts; current does not make or break on fuse tangs. When switch is closed, "bolted" pressure is applied directly to fuse tangs.

"Anti-tease" mechanism—Operator cannot reverse direction until switch contacts are made. "Anti-tease" mechanism also absorbs any energy due to magnetic forces associated with closing in against faulty conditions, preventing transmission of these forces to operating handle. In the open position, entire fuse assembly can be tilted forward to disconnect fuses from line and load connections,



PLB in open position with fuses racked-out



PLB in free-standing enclosure

making fuses readily accessible for maintenance. Only a screwdriver is needed to replace fuses. Top or bottom feed switch can be top or bottom fed because fuses are completely removable for servicing.

Separable frame—Front frame with operating mechanism, fuses and movable arcing contacts can be completely separated from back frame and removed from enclosure for ease of installation and maintenance.

Front or back connection—Unique flat terminal pads in horizontal plane provide universal points for front or rear connection. Terminal adapter bars drilled for bolting to the terminal pads are provided with NEMA I PLB to permit mounting of customer's terminal lugs.

Mounting—Mounting dimensions generally interchangeable with equivalent rated Type AK power circuit breakers.

Circuit Breaker Rating in Amps	3 Pole, 3 Wire				3 Pole, 4 Wire				Price Addition for 3 GE CLFD Fuses	
	240 Volts, A-c		480 Volts, A-c		240 Volts, A-c		480 Volts, A-c		Cat. No.	Net Price*
	Cat. No.	Net Price*	Cat. No.	Net Price*	Cat. No.	Net Price*	Cat. No.	Net Price*		

STATIONARY DEAD-FRONT SWITCHBOARD MOUNTING—FUSES NOT INCLUDED†

900	2PLB8	\$415	6PLB8	\$530	2PLB8N	\$485	6PLB8N	\$580	GF8B800	\$125
1000	2PLB12	415	6PLB12	530	2PLB12N	465	6PLB12N	560	GF8B1000	125
1200	2PLB12	415	6PLB12	530	2PLB12N	465	6PLB12N	560	GF8B1200	125
1800	2PLB18	450	6PLB18	565	2PLB18N	510	6PLB18N	605	GF8B1800	185
2000	2PLB20	600	6PLB20	815	2PLB20N	510	6PLB20N	605	GF8B2000	240
2500	2PLB25	†	6PLB25	†	2PLB25N	†	6PLB25N	†	GF8B2500	†
3000	2PLB30	†	6PLB30	†	2PLB30N	†	6PLB30N	†	GF8B3000	†
4000	2PLB40	†	6PLB40	†	2PLB40N	†	6PLB40N	†	GF8B4000	†

GENERAL-PURPOSE ENCLOSED—FUSES AND TERMINAL LUGS NOT INCLUDED‡

900	2PLB8E	\$495	6PLB8E	\$570	2PLB8EN	\$745	6PLB8EN	\$860	GF8B800	\$125
1000	2PLB12E	695	6PLB12E	810	2PLB12EN	745	6PLB12EN	860	GF8B1000	125
1200	2PLB12E	695	6PLB12E	810	2PLB12EN	745	6PLB12EN	860	GF8B1200	125
1800	2PLB18E	730	6PLB18E	845	2PLB18EN	780	6PLB18EN	905	GF8B1800	185
2000	2PLB20E	780	6PLB20E	895	2PLB20EN	830	6PLB20EN	945	GF8B2000	240
2500	2PLB25E	†	6PLB25E	†	2PLB25EN	†	6PLB25EN	†	GF8B2500	†
3000	2PLB30E	†	6PLB30E	†	2PLB30EN	†	6PLB30EN	†	GF8B3000	†
4000	2PLB40E	†	6PLB40E	†	2PLB40EN	†	6PLB40EN	†	GF8B4000	†

† Specify down-fusing adapters when required.

‡ Prices are for protector element only. Fuses must be ordered separately.

§ Prices include the neutral assembly.

¶ Catalog numbers and prices cover the enclosure, the protector element, and terminal adapter bars. Fuses must be ordered separately. Terminal lugs are not included and should be provided by the customer. Refer to GEA-8100 for suggested types of terminal lugs.

|| Consult your G-E Supplier for prices and availability.

NOTE: A provision of Kirk Interlock (locks not included) is available at \$40 each. It is recommended that Kirk Interlock's P-24 be ordered directly from the lock manufacturer. PLB is also available as a non-fused disconnect switch at no charge in list prices.

DOWN-FUSING ADAPTERS

The PLB Power Protector is fully rated (does not require derating) however down-fuse adapters are required for the PLB where the fuse ratings are smaller than that of the pressure switch. Specify down-fuse adapters by catalog number given below:

Switch (Amps)	Fuse (Amps)	Adapter Catalog Number	Net Price*
1200	800	788D0670G3	Included in Price of Switch
1200	1000	No adapter required	
1800	800	788D0671G2	
1800	1200/1000	788D0670G2	
2000	1200/1000	788D0671G1	
2000	1800	788D0670G1	
2500	2000	†	
2500	1800	†	
3000	2500	†	
3000	2000	†	
4000	1500	†	
4000	3000/2500	†	
4000	2000	†	

† Consult your G-E Supplier for availability.

|| Suggested user Net Price. "GD" scheduler do not apply.

Description information in Bulletin GEA-7815. Or call your G-E Supplier for complete details.