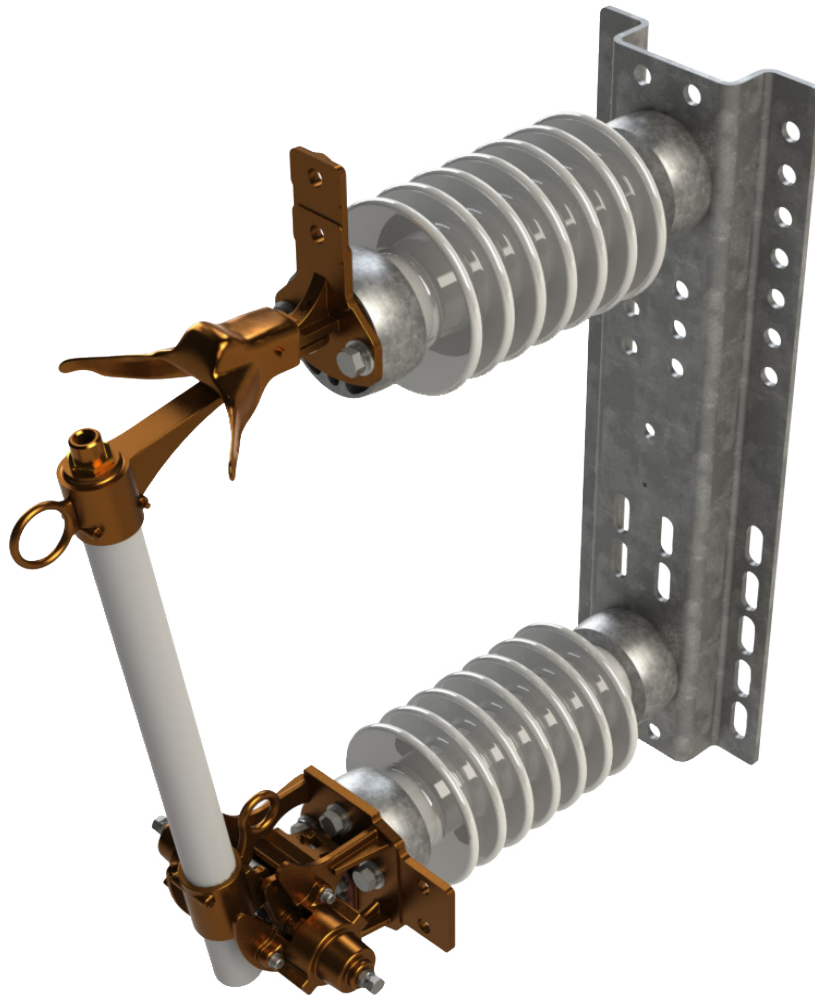




EPF

Expulsion Power Fuse

7.5 TO 72.5 kV / UP TO 400A



MindCore
Technologies

ANSI C37 / IEEE 693 / IEC 62271

PRODUCT FEATURES

Dominion Cutout Limited
QUALITY ELECTRICAL EQUIPMENT

- Original Dominion Cutout Ltd. proven design
- Bronze current carrying parts
- Standard machined terminal pads
- Silver-to-silver contacts
- Fuse holder drops out for easy identification of blown fuse
- Fuse link tube holder reusable
- Meets or exceeds NEMA requirements

The **MindCore technologies “EPF”** is a heavy duty power fuse offered in voltage ratings from 7.5 through 72.5 kV, in continuous ratings up to 400 A and interrupting capacities as high as 3 608 200 kVA symmetrical at 69 kV. This series of power fuses offers the maximum in reliability, ease of operation and economy. Reliability is assured by the dual operating characteristics of the expandable cap design and the arc quenching fuse element design. Ease of operation results from the drop out action of the fuse holder and the provisions for handling all ratings with a hook stick. Economy is significant at the time of the original installation and at the time of refusing. The cost of a fuse element is a fraction of the cost of refill units utilized by the competition with fuses of comparable performance.

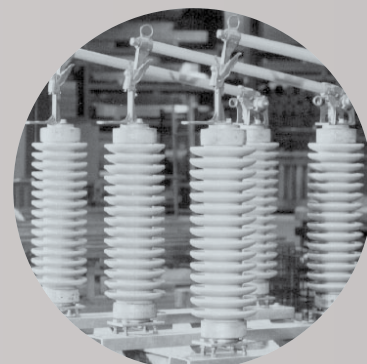
The MindCore technologies type EPF power fuse is an efficient and reliable protective device. It is the result of over 50 years of experience in power fuse design and development.

APPLICATION

High voltage power fuses provide short-circuit protection for equipment in installations where a circuit breaker is economically inadvisable. The power fuse provides consistent and fast short-circuit protection. The principal applications of power fuses are protection of power transformers, feeder circuits or capacitor banks. The power fuse poles may be mounted in three ways: vertical, inverted or 45° inverted.

FUSE LINKS

Complete fuse kits makes the EPF easy and inexpensive to re-fuse. The kit consists of an expendable cap, fuse link assembly and disposable re-fusing tool. The links are available in various ratings and different speed ratios: PF (slow speed), PM (medium speed), PX (fast speed) and EEI-NEMA type PE. Time current characteristic curves are available upon request.





TERMINAL PAD

Terminal pads have holes spacing in accordance with NEMA standards and are machined flat to ensure low contact resistance. Power fuses have a horizontal terminal pad at both ends

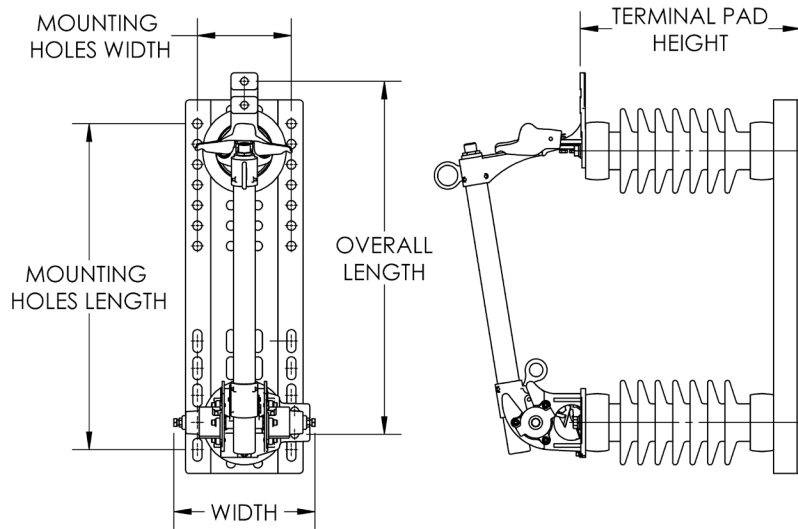
SWITCH BASE

Terminal pads have holes spacing in accordance with NEMA standards and are machined flat to ensure low contact resistance. Power fuses have a horizontal terminal pad at both ends

An EPFIV configuration is also available to suspend under a round bus bar as shown in the side figure.



TECHNICAL DRAWING



CONTACT

MindCore Technologies
 1845 Jean-Monnet
 Terrebonne (Quebec) J6X 4L7
 Canada
 Tel: +1 450.477.5959
 Fax: +1 450.477.2220
www.mindcoretech.com
info@mindcoretech.com

SPECIFICATIONS

Catalogue Number	Rated Maximum Voltage	Rated Lightning Impulse	Rated Continuous Current	Fuse Link Rating	Withstand Short-time Current	Overall Length	Terminal Pad Height	Width	Standard Mounting Holes Length	Standard Mounting Holes Width	Weight
	kV RMS	kV Peak	A	A	kA	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	lbs (kg)
EPP071B	8,3	95	100	1 to 100	15	19" (483)	9 ½" (251)	10 ½" (267)	36" (914)	3" or 7" (76 or 178)	67 (30)
EPP072B			200	125 to 200							
EPP151B	15,5	110	100	1 to 100	15	21" (533)	12 ½" (314)	10 ½" (267)	36" (914)	3" or 7" (76 or 178)	81 (37)
EPP152B			200	125 to 200							
EPP231B	27	150	100	1 to 100	15	26" (660)	16 ¾" (416)	10 ½" (267)	39" (991)	3" or 8 ¾" (76 or 210)	92 (42)
EPP232B			200	125 to 200							
EPP341B	38	200	100	1 to 100	15	30" (762)	20 ¾" (518)	10 ½" (267)	48" (1220)	3" or 8 ¾" (76 or 210)	112 (51)
EPP342B			200	125 to 200							
EPP461B	48,3	250	100	1 to 100	15	36" (914)	24 ¾" (619)	10 ½" (267)	54" (1370)	3" or 8 ¾" (76 or 210)	143 (65)
EPP462B			200	125 to 200							
EPP691B	72,5	350	100	1 to 100	15	42" (1067)	34 ¾" (867)	10 ½" (267)	69" (1750)	3" or 8 ¾" (76 or 210)	204 (93)
EPP692B			200	125 to 200							

Contact MindCore Technologies for details about 300A and 400A power fuses.

