MindCore Technologies

EPF

EXPULSION POWER FUSE



7.5 TO 72.5kV / up TO 400A

MINDCORETECH.COM



SWITCH IN...

TO THE FUTURE!

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 expanda-ble 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.

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 char-acteristic curves are available upon request.

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 figure above

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.



PRODUCT FEATURES

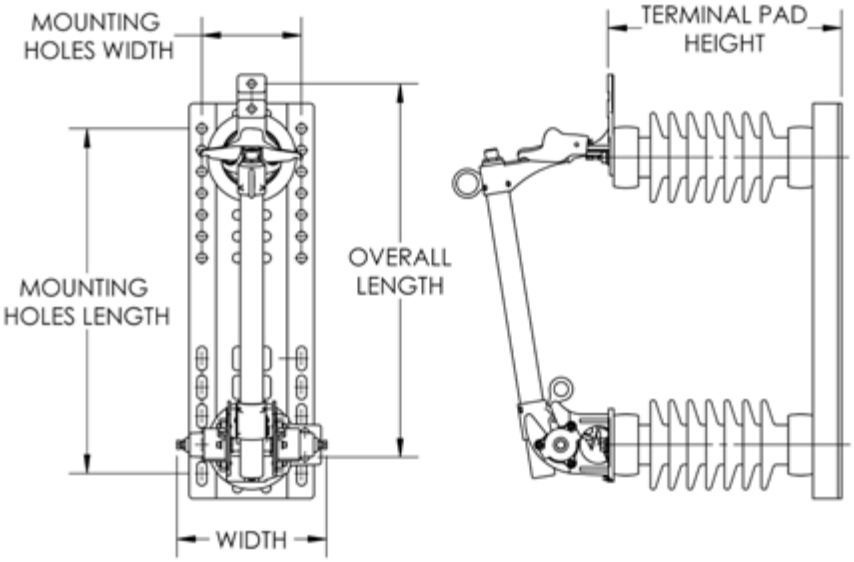
- Original Dominion Cutout Ltd. proven design
- Bronze current carrying parts
- Standard machined terminal pads
- Silver-to-silver contacts
- Fuse holder drops out for easy identification of blown fuse
- Fuse link tube holder reusable
- Meets or exceeds NEMA requirements



TECHNICAL SPECIFICATIONS

MindCore Technologies

DRAWINGS







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)
EPF071B	8,3	95	100	1 to 100	15	19" (483)	9 ⅞" (251)	10 ½" (267)	36" (914)	3" or 7" (76 or 178)	67 (30)
EPF072B			200	125 to 200							
EPF151B	15,5	110	100	1 to 100	15	21" (533)	12 ⅜" (314)	10 ½" (267)	36" (914)	3" or 7" (76 or 178)	81 (37)
EPF152B			200	125 to 200							
EPF231B	27	150	100	1 to 100	15	26" (660)	16 ⅜" (416)	10 ½" (267)	39" (991)	3" or 8 ¼" (76 or 210)	92 (42)
EPF232B			200	125 to 200							
EPF341B	38	200	100	1 to 100	15	30" (762)	20 ⅜" (518)	10 ½" (267)	48" (1220)	3" or 8 ¼" (76 or 210)	112 (51)
EPF342B			200	125 to 200							
EPF461B	48,3	250	100	1 to 100	15	36" (914)	24 ⅜" (619)	10 ½" (267)	54" (1370)	3" or 8 ¼" (76 or 210)	143 (65)
EPF462B			200	125 to 200							
EPF691B	72,5	350	100	1 to 100	15	42" (1067)	34 ⅜" (867)	10 ½" (267)	69" (1750)	3" or 8 ¼" (76 or 210)	204 (93)
EPF692B			200	125 to 200							

MINDCORE TECHNOLOGIES
TCO
UNRIVALED TOTAL COST OF OWNERSHIP

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