

Square Body DC Fuses — 750Vdc: 63-500A

750Vdc 63-500A

Specifications

Description: High speed fuses, for the protection of DC circuits in equipment.

Dimensions: See dimensions illustration.

Ratings:

Volts: — 750Vdc

Amps: — 63-500A

IR: — 750Vdc IR: 100kA, L/R = 100 ms.

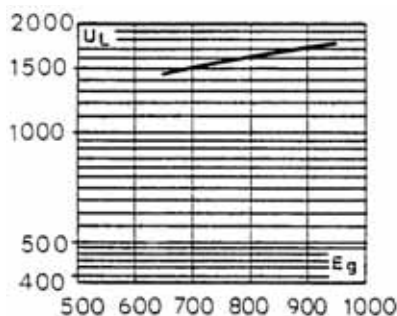
— 1000Vdc IR: 100kA, L/R = 40 ms

Agency Information: Consult Cooper Bussmann.

Electrical Characteristics

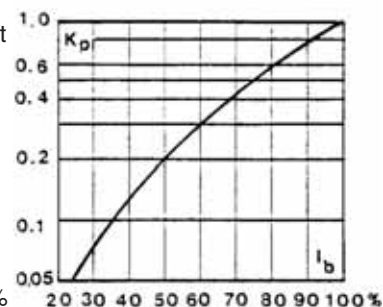
Arc Voltage

This curve gives the peak arc voltage, U_L , which may appear across the fuse during its operation as a function of the applied working voltage E_g .



Power Losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the power losses at load currents lower than the rated current. The correction factor, K_p , is given as a function of the RMS load current, I_b , in % of the rated current.



Features and Benefits

- Excellent DC performance
- Low arc voltage and low energy let-through (I^2t)
- Low watts loss
- Superior cycling capability

Typical Applications

- DC common bus
- DC drives
- Power converters/rectifiers
- Reduced voltage starters

Catalog Numbers

Fuse Size	Catalog Numbers		Electrical Characteristics		
	-BK/130	-EK/-	Rated Voltage (Vdc)	Rated Current RMS-Amp	Watt Loss (W)
1*	170E3577	170E3583	750	63	10.0
	170E3578	170E3584		80	13.0
	170E3579	170E3585		100	16.0
	170E3580	170E3586		125	21.0
	170E3581	170E3587		160	26.0
1	170E5417	170E5420		200	37.0
	170E5418	170E5421		250	46.0
2	170E8335	170E8345		250	47.0
	170E8336	170E8346		315	57.0
	170E8337	170E8347		400	73.0
	170E9681	170E9685		500	91.0

Data Sheet: Size 1*: 170K3620

Size 1: 170K3622

Size 2: 170K3624

Size 3: 170K3626

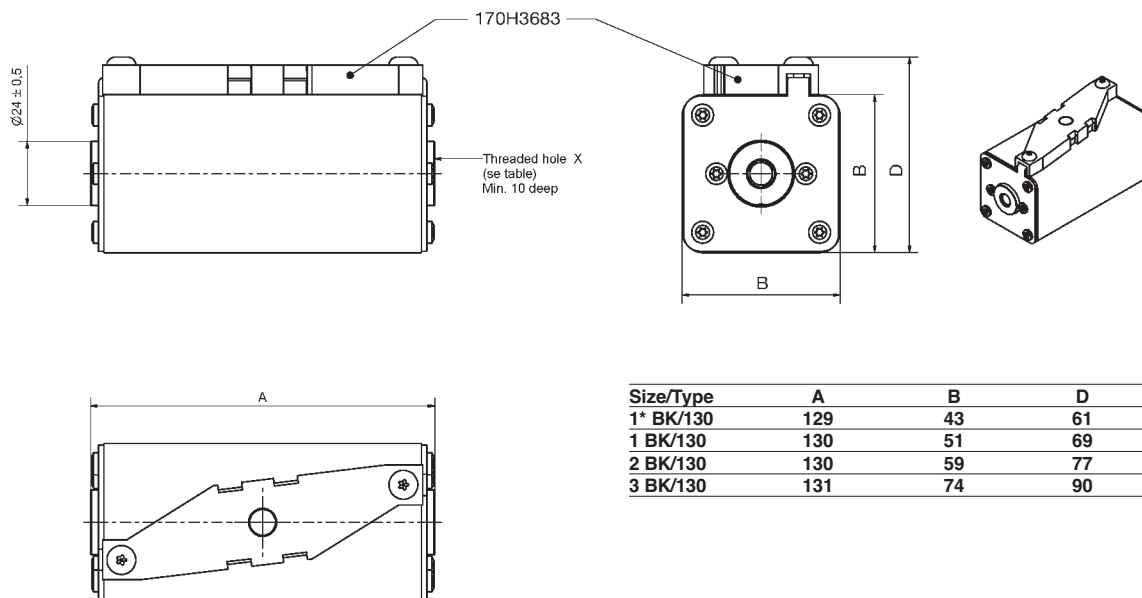
Microswitch: 170H0069, 170H3027 (gold)

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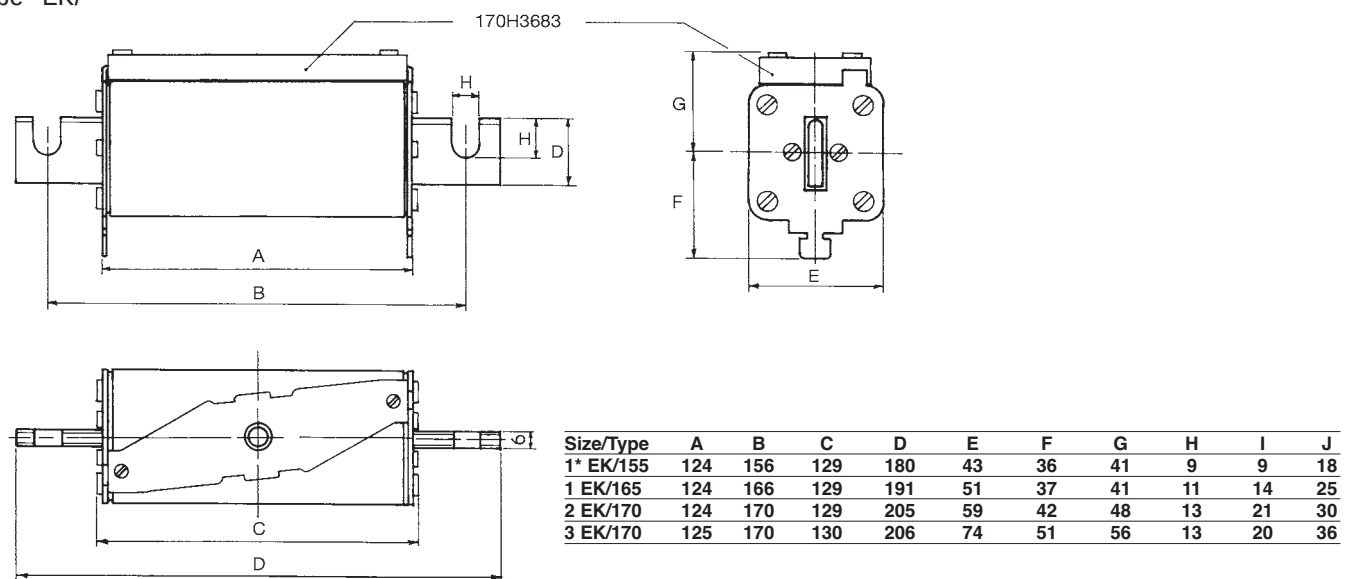
Square Body DC Fuses 750Vdc / 63 - 500A

(mm):

Type –BK/130

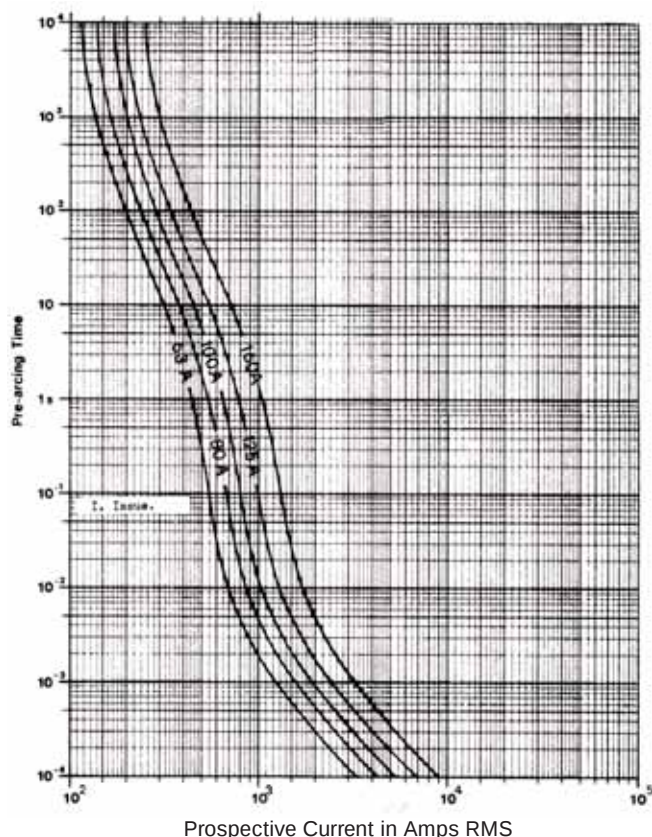


Type –EK/-

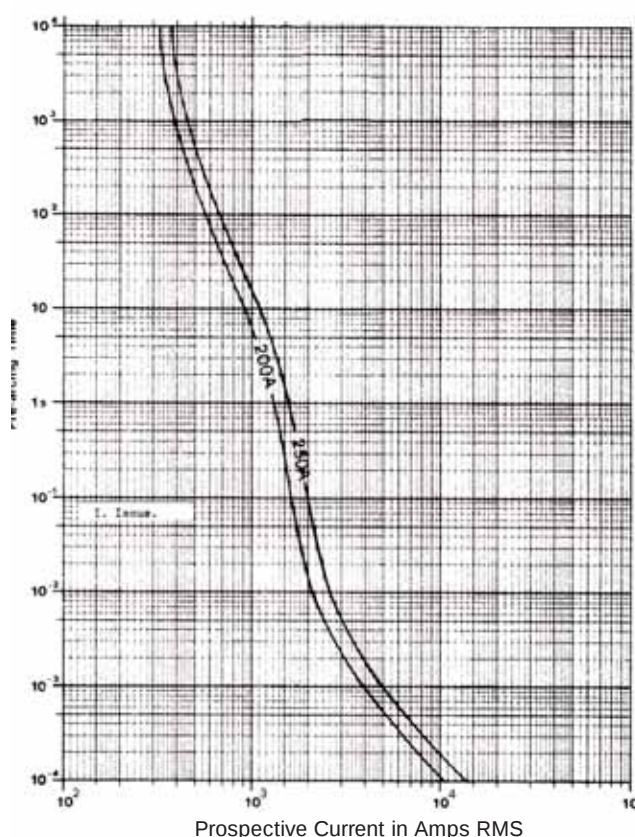


Square Body DC Fuses — 750Vdc: 63-500A

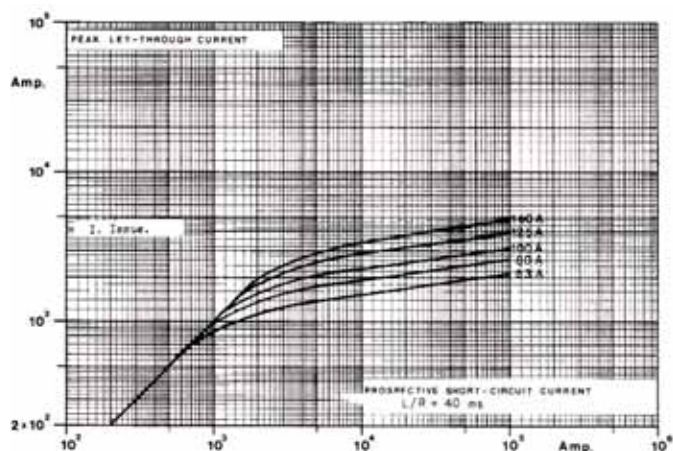
Square Body DC Fuse — 63-160A: 750V
Time-Current Curve



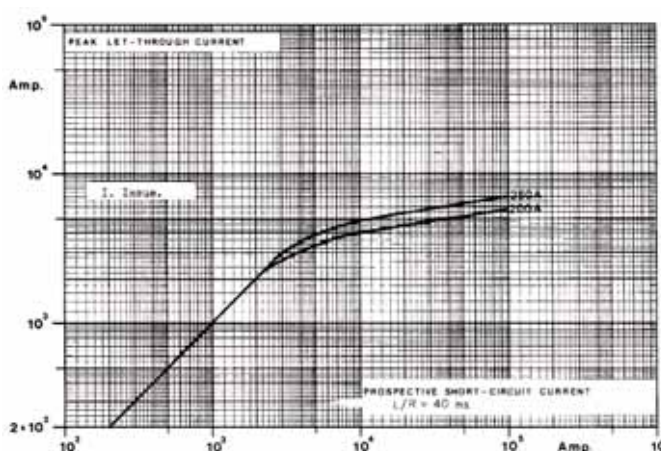
Square Body DC Fuse — 200-250A: 750V
Time-Current Curve



Peak Let-Through Curve



Peak Let-Through Curve

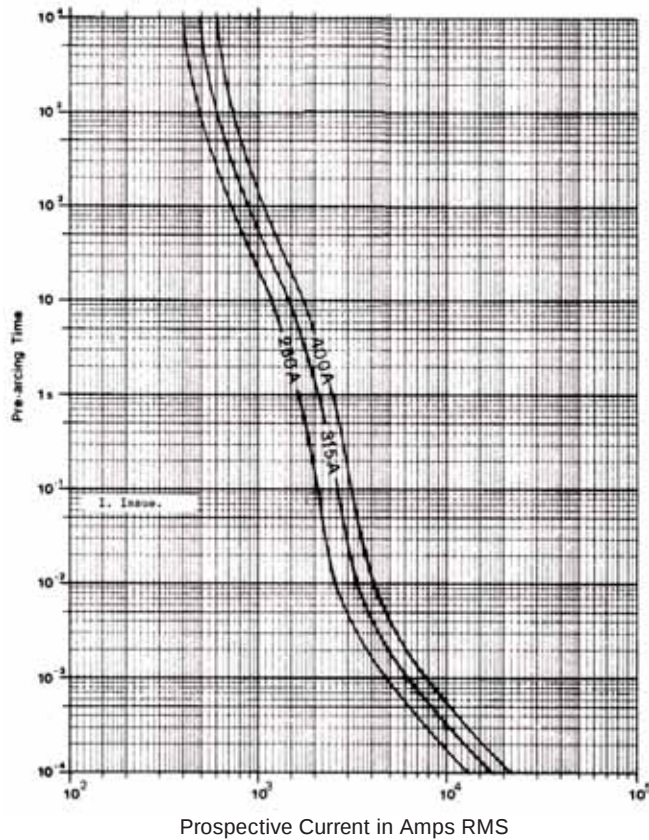


Data Sheet: Available upon request

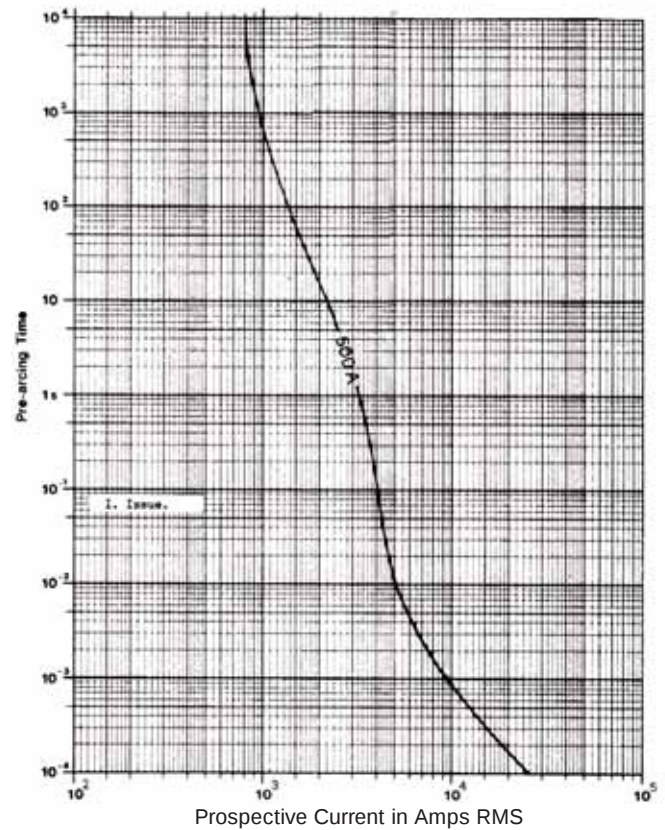
Data Sheet: Available upon request

Square Body DC Fuses — 750Vdc: 63-500A

Square Body DC Fuse — 250-400A: 750V
Time-Current Curve

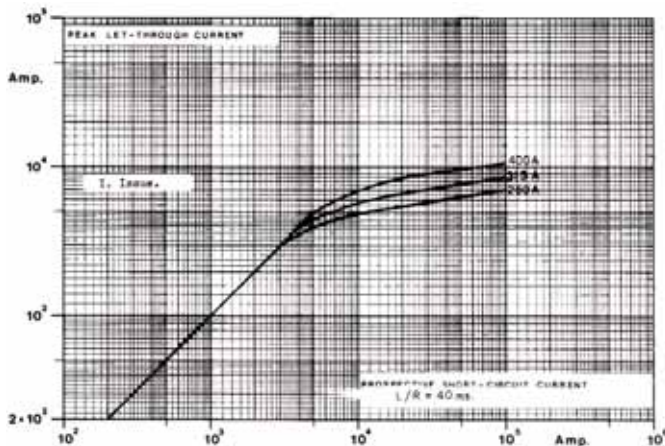


Square Body DC Fuse — 500A: 750V
Time-Current Curve

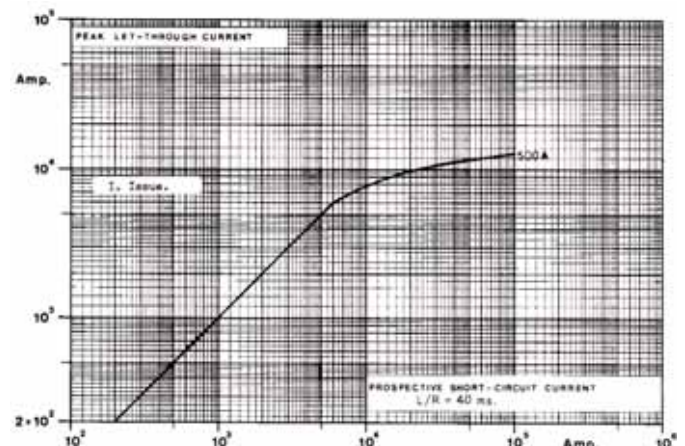


High Speed
Fuses

Peak Let-Through Curve



Peak Let-Through Curve



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