

Square Body DC fuses — 2000Vdc: 10-125A

2000Vdc 10-125A

Specifications

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

Dimensions: See dimensions illustration.

Ratings:

Volts: — 1200Vdc

Amps: — 160-420A

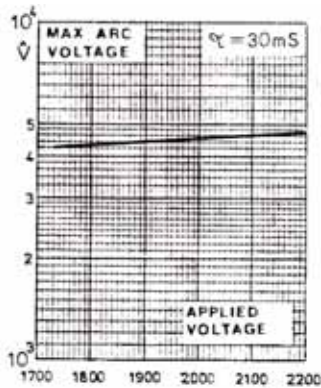
IR: — 1200Vdc = 100kA L/R: 15 ms.

Agency Information: Consult Cooper Bussmann.

Electrical Characteristics

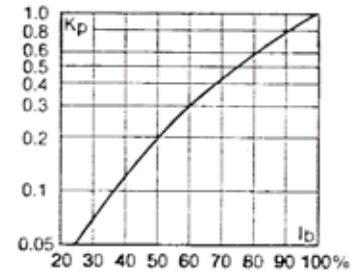
Arc Voltage

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

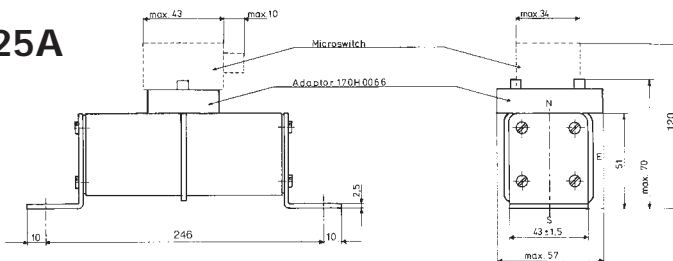
Fuse Type	Cat. Number -SKN/246 Type K Indicator	Electrical Characteristics		
		Rated Voltage (Vdc)	Rated Current RMS-Amp	Watt Loss (W)
1*SKN/246	170E3976	2000	10	7
	170E3970		16	11
	170E3950		20	13
	170E3951		25	17
	170E3952		32	22
	170E3953		40	27
	170E3954		50	34
	170E3955		63	43
	170E3956		80	50

Fuse Type	Cat. Number -SKN/246 Type K Indicator	Electrical Characteristics		
		Rated Voltage (Vdc)	Rated Current RMS-Amp	Watt Loss (W)
1*SKN/246	170E3937	2000	20	13
	170E3938		25	16
	170E3939		32	20
	170E3940		40	25
	170E3941		50	32
	170E3942		63	40
	170E3943		80	51
	170E3944		100	64
	170E3945		125	80

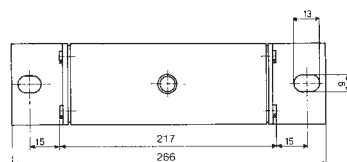
2000Vdc / 10 - 125A

Dimensions (mm):

Data Sheet: 170K4538
Microswitch: 170H0239, 170H3030 (gold)

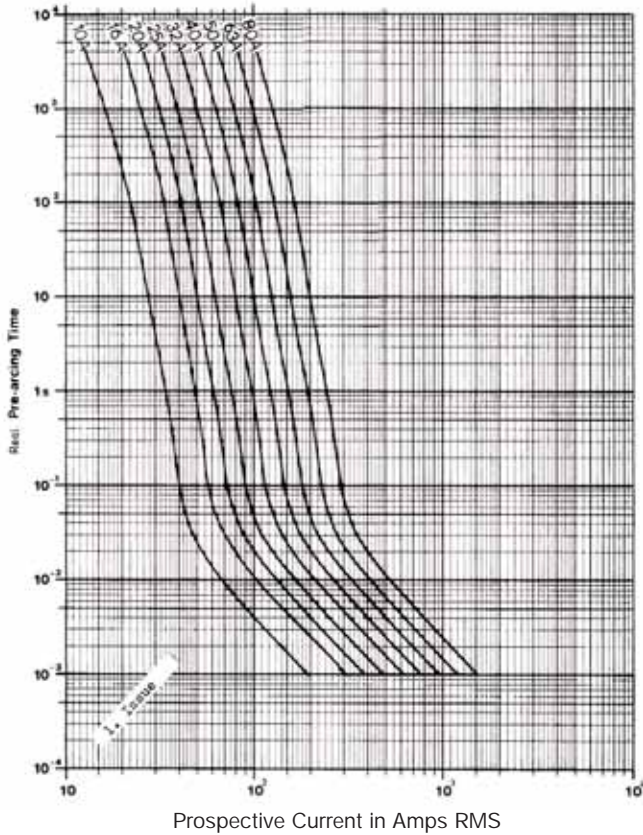


Data Sheet: 170K4900
Microswitch: 170H0239, 170H3030 (gold)

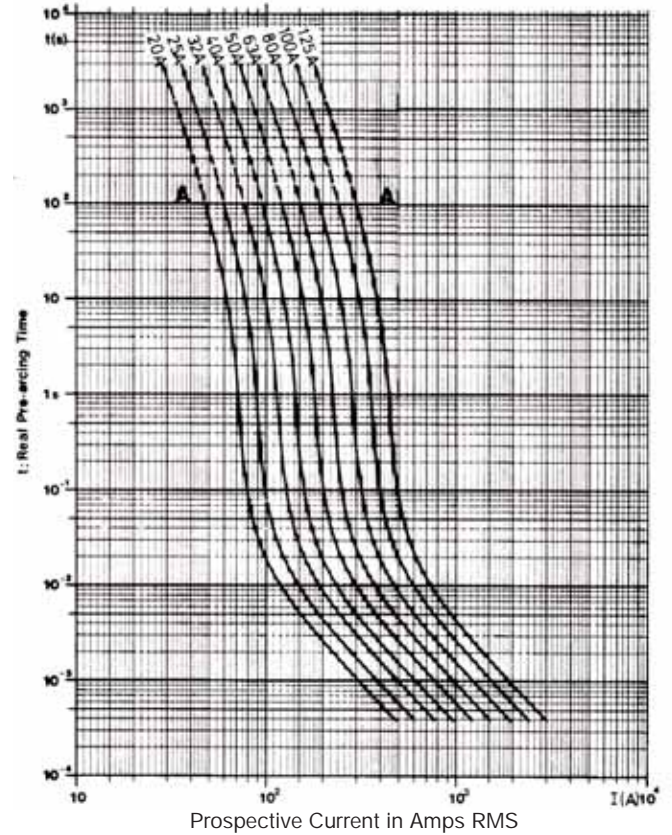


Square Body DC fuses — 2000Vdc: 10-125A

Square Body DC Fuses — 10-80A: 2000V
Time-Current Curve

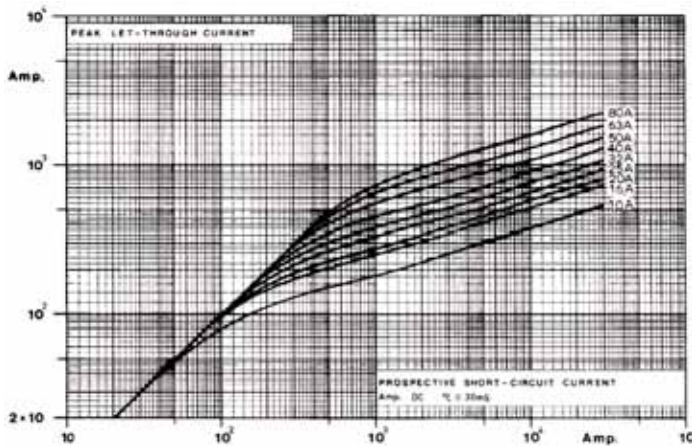


Square Body DC Fuses — 20-125A: 2000V
Time-Current Curve

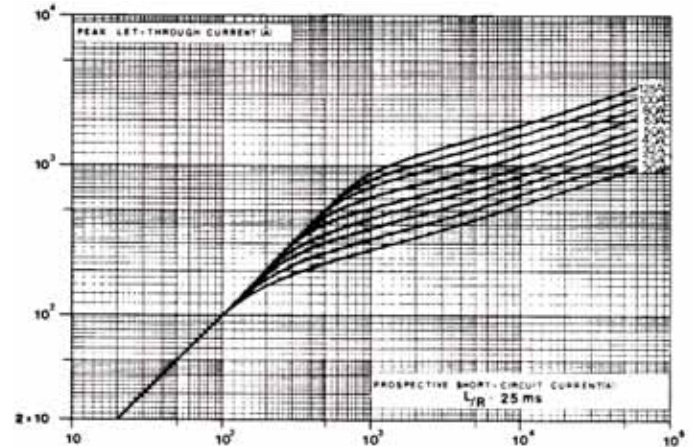


High Speed Fuses

Peak Let-Through Curve



Peak Let-Through Curve



Data Sheet: Available upon request

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