Square body fuse links

170M - Size 00, Flush end contact, 690 V a.c., 25 A to 400 A

Specifications

Description

Square body flush end contact high speed fuse links, for the protection of DC common bus, DC drives, power converters/ rectifiers and reduced rated voltage starters.

Technical data

- Rated voltage: 690 V a.c. (IEC)
- Rated current: 25 A to 400 A
- Breaking capacity: 200 kA RMS Sym
- Operating class:
  - gR (25 A to 80 A)
  - aR (100 A to 400 A)

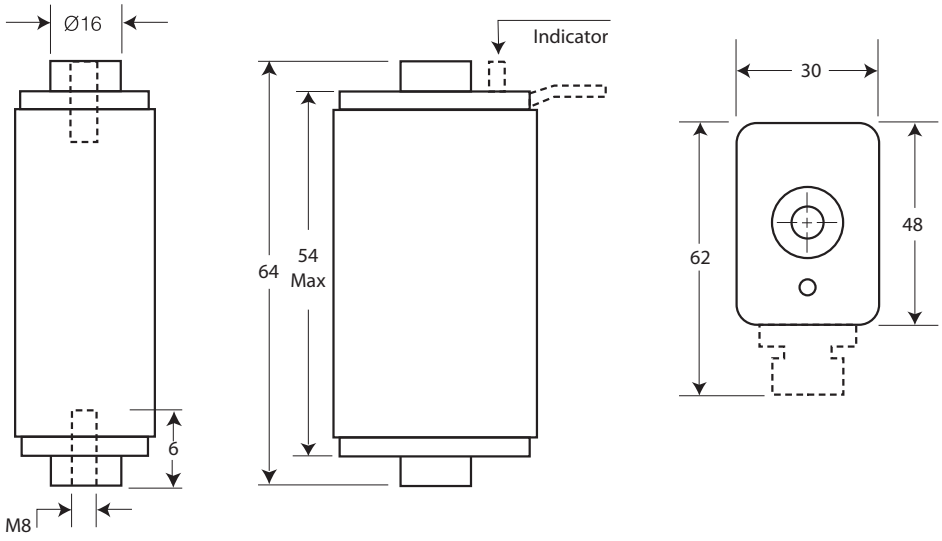
Standards / Agency information

CE, Designed and tested to IEC 60269 Part 4

Catalogue numbers

			I^2t (A^2 Sec)			Catalogue numbers	
Fuse link body size	Rated voltage	Rated current (Amps)	Pre-arcing	Clearing at 660 V a.c.	Watts loss (W)	00B/60 visual indicator	00BTN/60 Type T indicator for micro
00	690 V a.c. (IEC)	25	19	130	6	170M2708	170M2758
		32	28.5	195	7	170M2709	170M2759
		40	50	360	9	170M2710	170M2760
		50	95	640	10	170M2711	170M2761
		63	170	1200	12	170M2712	170M2762
		80	310	2100	15	170M2713	170M2763
		100	620	4150	20	170M2714	170M2764
		125	1000	6950	25	170M2715	170M2765
		160	1900	13,000	30	170M2716	170M2766
		200	3400	23,000	35	170M2717	170M2767
		250	6250	42,000	45	170M2718	170M2768
		315	10,000	68,500	55	170M2719	170M2769
		350	13,500	91,500	60	170M2720	170M2770
		400	18,000	125,000	70	170M2721	170M2771

Dimensions (mm)



Data sheet: 170K6312

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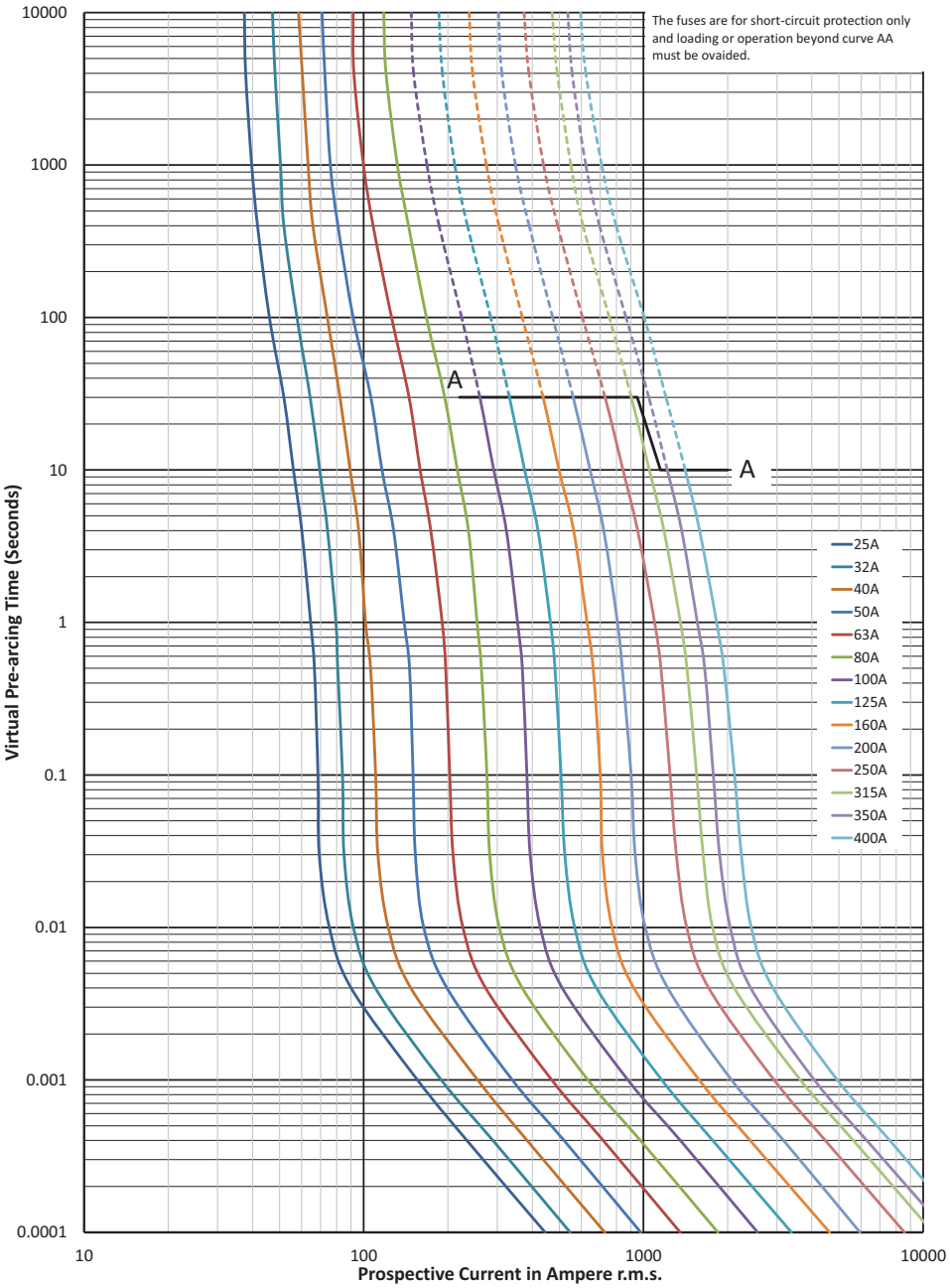
Time-current curve - Size 00, 25 A to 400 A



K_b = 1 N = 1.5

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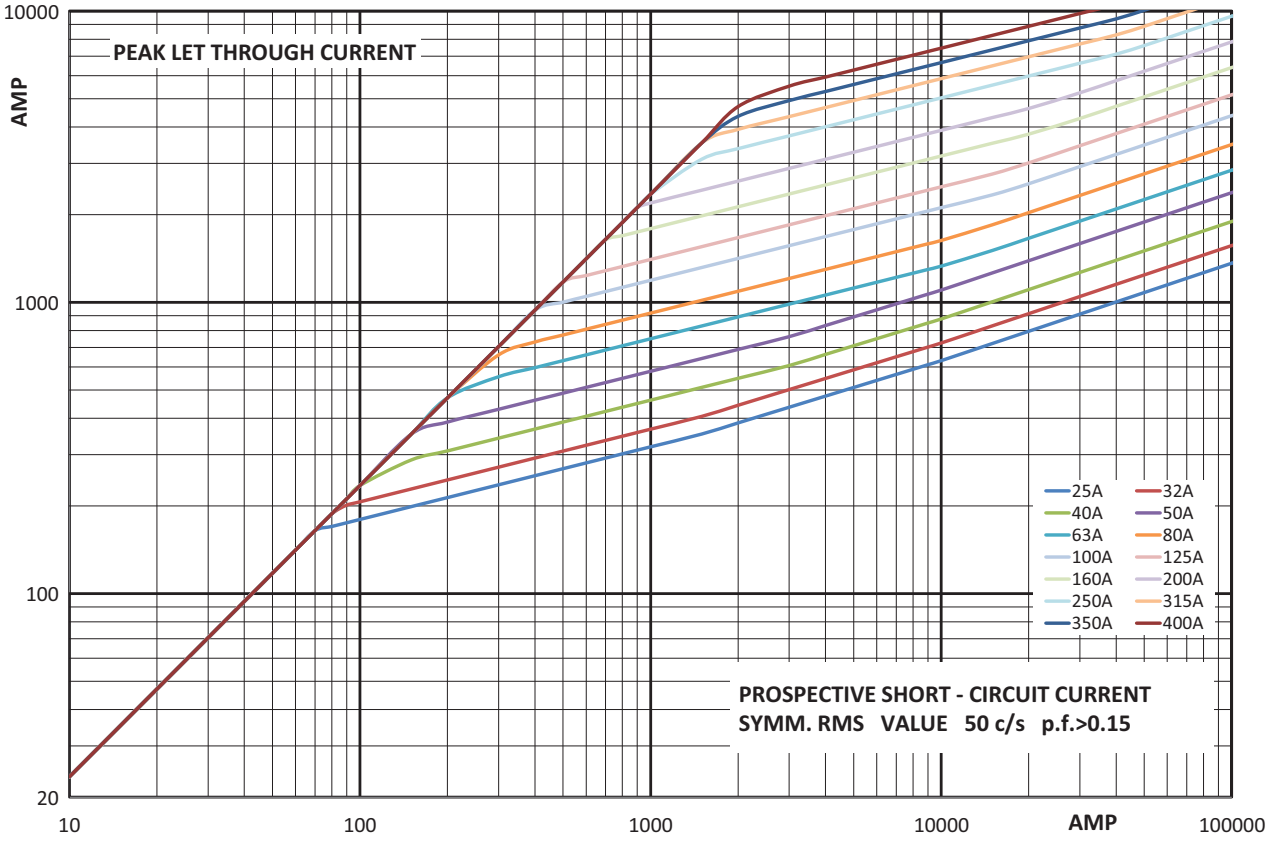
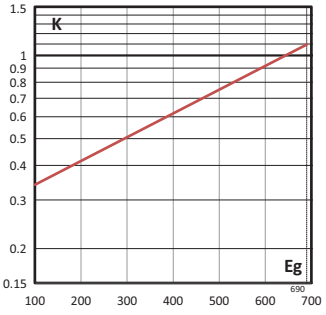
Cut-off curve - Size 00, 25 A to 400 A



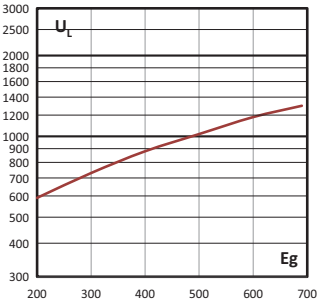
Total clearing I^2t

The total clearing I^2t at rated voltage and at a power factor of 15 percent are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).



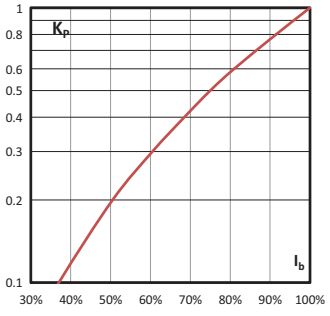
Arc voltage

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, (RMS) at a power factor of 15 percent.



Watts losses

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the watts 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 percent of the rated current.



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