

TYPE 'LSC-690'

Type 'LSC-690' 690 Volt Semiconductor Protection Fuse-Links

Complying with IEC 60269-4 / BS 88-4



Rated Voltage	690V a.c. 350V d.c.		
Current Ratings	10A to 710A		
Rated Breaking Capacity	100kA a.c. 100kA d.c.		
Breaking Range & Utilisation category	aR		
Outline Dimensions 690V a.c.	LSCB & LSCBT		SK610
Outline Dimensions 690V a.c.	LSCB, LSCBD & LSBD		SK611
Time/Current Characteristics 690V a.c.	LSCB, LSCBT & LSCBD	(10-630A)	SK612
Time/Current Characteristics 690V a.c.	LSCB	(10-100A)	SK612.1
Time/Current Characteristics 690V a.c.	LSCBT	(65-200A)	SK612.2
Time/Current Characteristics 690V a.c.	LSCB	(160-355A)	SK612.3
Time/Current Characteristics 690V a.c.	LSCBD & LSBD	(175-710A)	SK612.4
Cut-off characteristics 690V a.c.	LSCB, LSCBT & LSCBD	(10-630A)	SK613
Cut-off characteristics 690V a.c.	LSCB	(10-100A)	SK613.1
Cut-off Characteristics 690V a.c.	LSCBT	(65-200A)	SK613.2
Cut-off Characteristics 690V a.c.	LSCB	(160-355A)	SK613.3
Cut-off Characteristics 690V a.c.	LSCBD & LSBD	(175-710A)	SK613.4
Technical Specification	LSCB, LSCBT, LSCBD & LSBD		SK614
Outline Dimensions	LSCBDD		SK640

A comprehensive range of Fuse-Links for the protection of semiconductor devices. The 690V a.c. series complies with the performance and dimensional requirements of IEC 60269-4 and BS 88-4. In addition to the current ratings specified in IEC 60269-4 and BS 88-4, other non-standard current ratings are available.

Trip-indicator fuse-links are available for use in parallel with the main fuse-link. Indicator fuse-links can either be attached to the associated fuse-link or mounted separately in panel mounted fuse clips.

A push-on adaptor and micro switch attachment is available for use with the trip indicator to give the facility of remote indication.

Figure 1

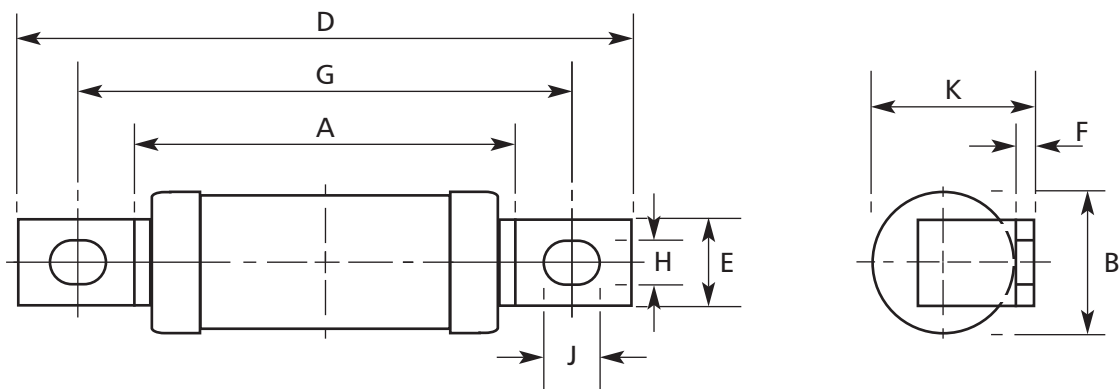
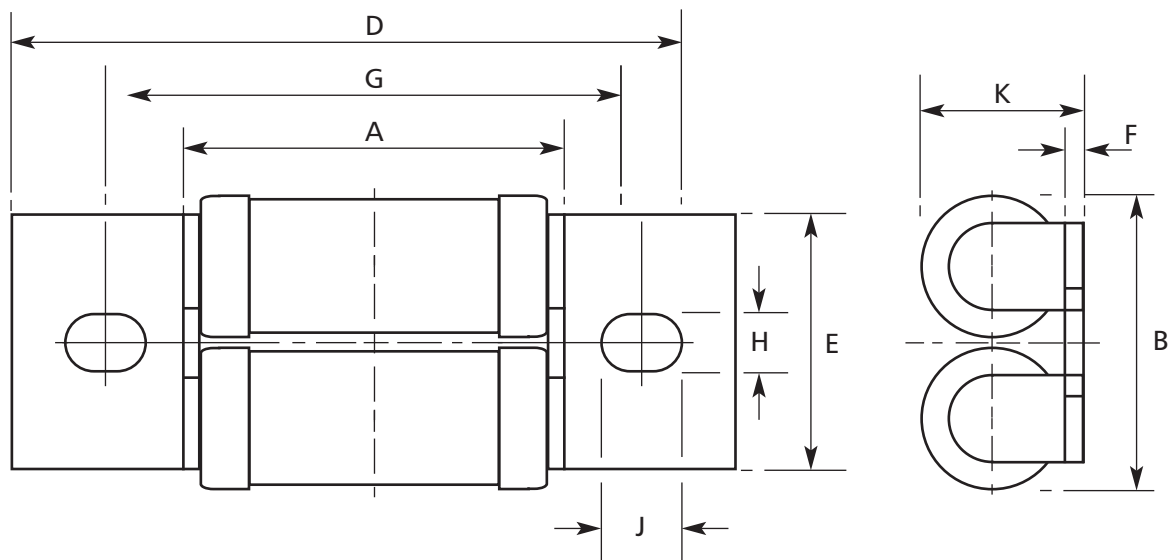


Figure 2



Current Ratings (A)	Figure No.	Dimensions (mm)								
		A max	B max	D max	E nom	F max	G nom	H nom	J min	K max
10 - 100	1	50.6	17.7	79.8	12.7	2.5	63.5	6.4	7.9	19.3
65 - 200	2	50.6	37	95	32	1.6*	70	8.7	10.3	19.9

* Nominal Dimension

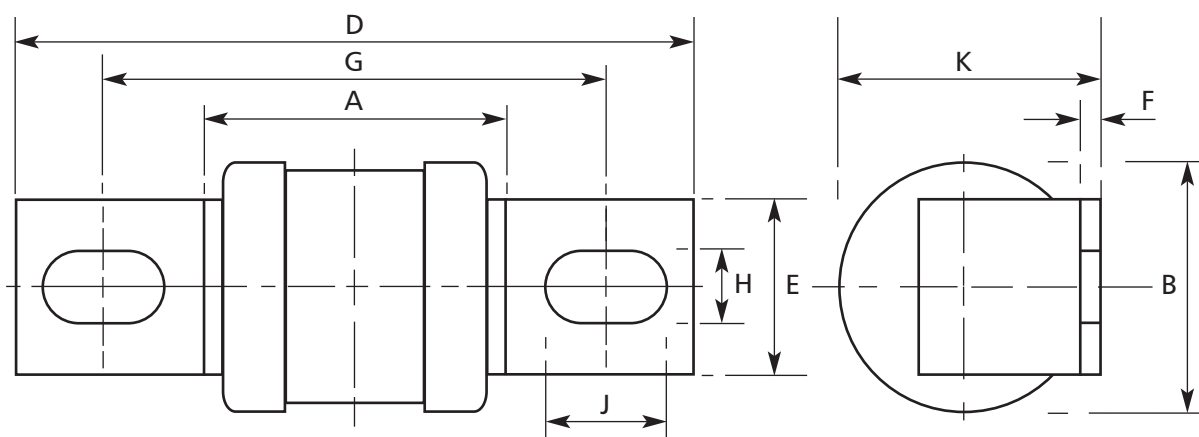


Figure 1

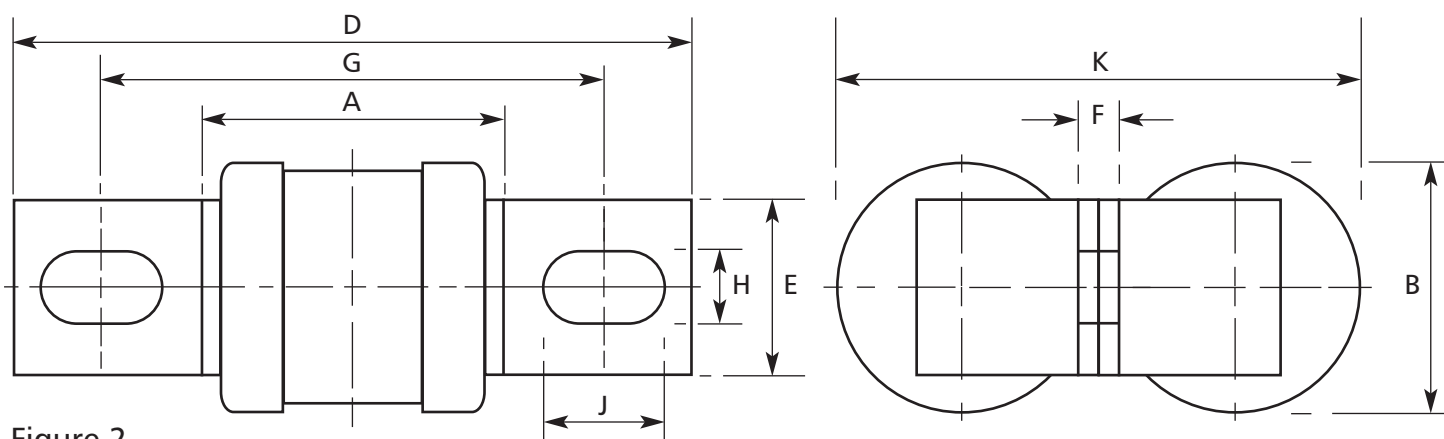
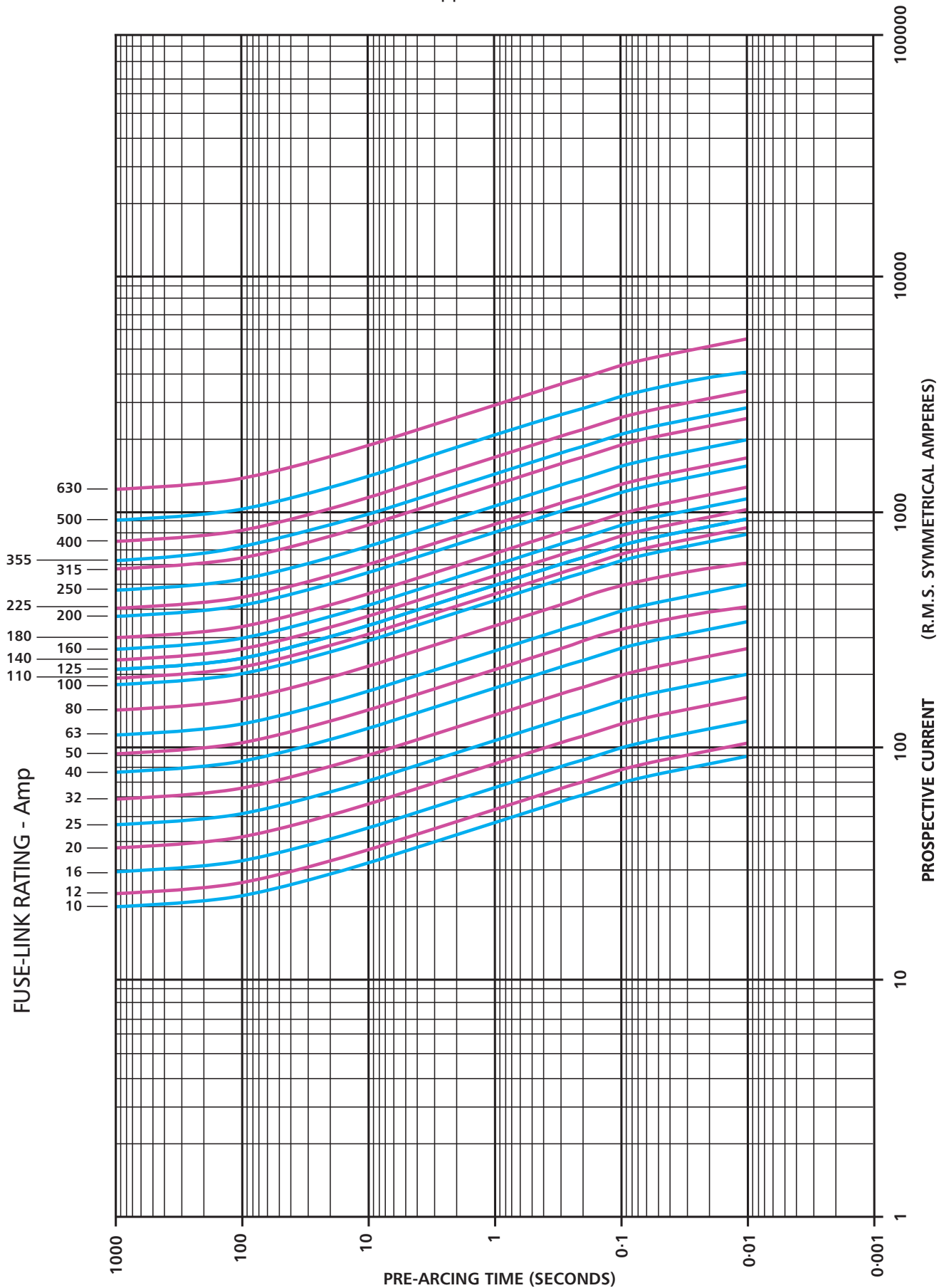


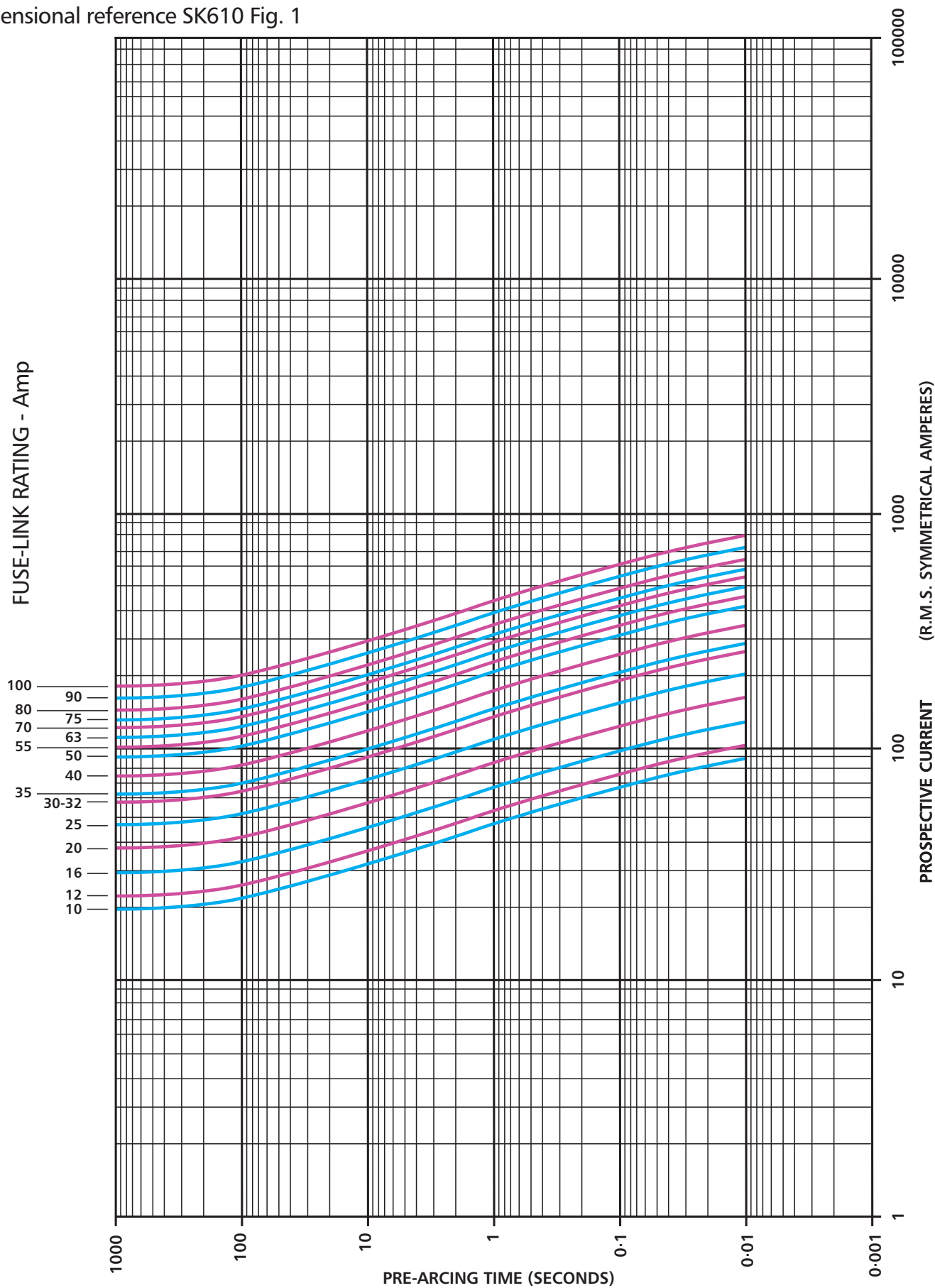
Figure 2

Current Ratings (A)	Figure No.	Dimensions (mm)								
		A max	B max	D max	E nom	F max	G nom	H nom	J min	K max
160 - 355	1	60	38.2	114	25.4	3.3	85	10.3	13.0	41.5
175 - 710	2	60	38.2	114	25.4	6.4*	85	10.3	13.0	83

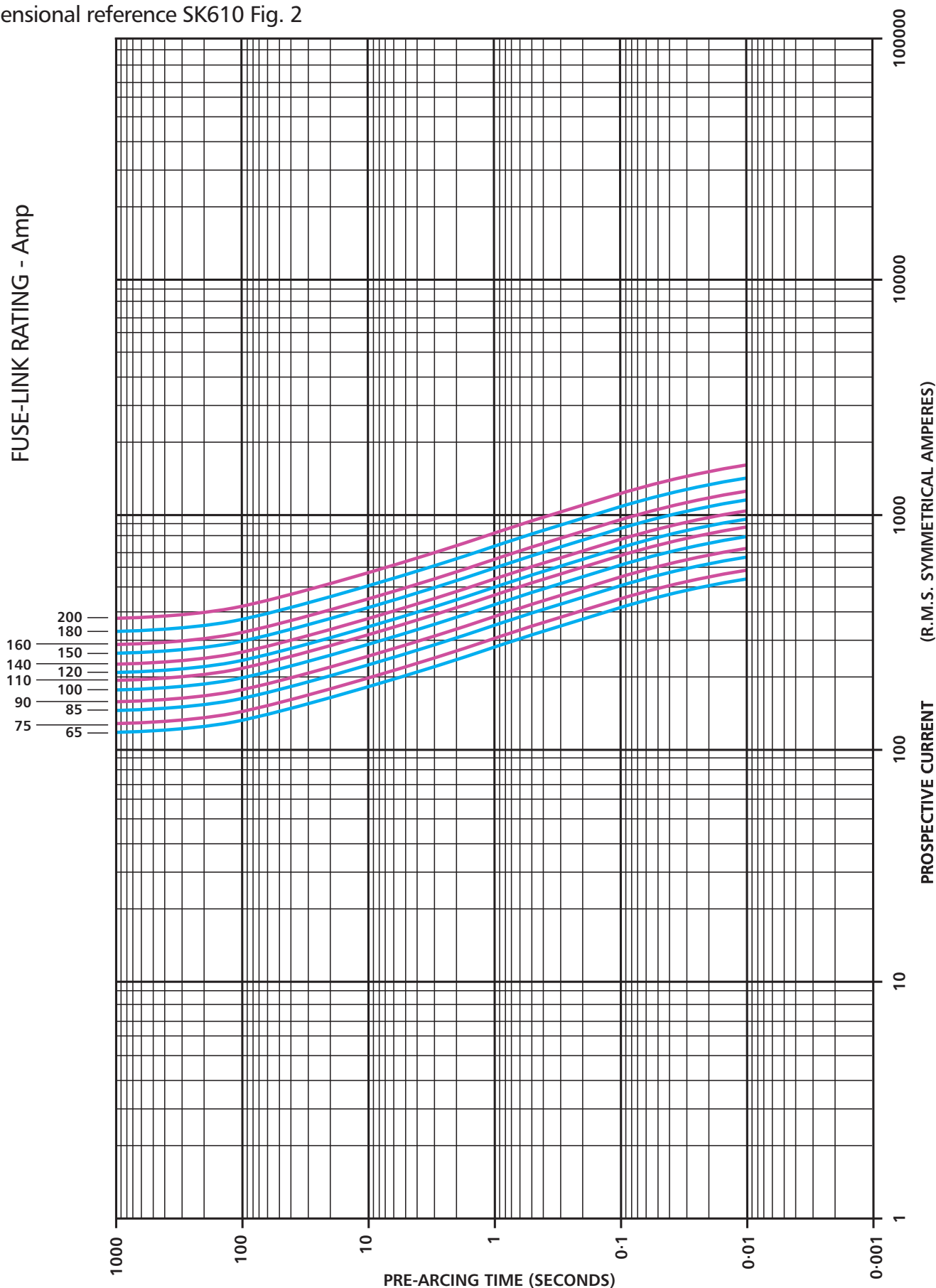
* Nominal Dimension



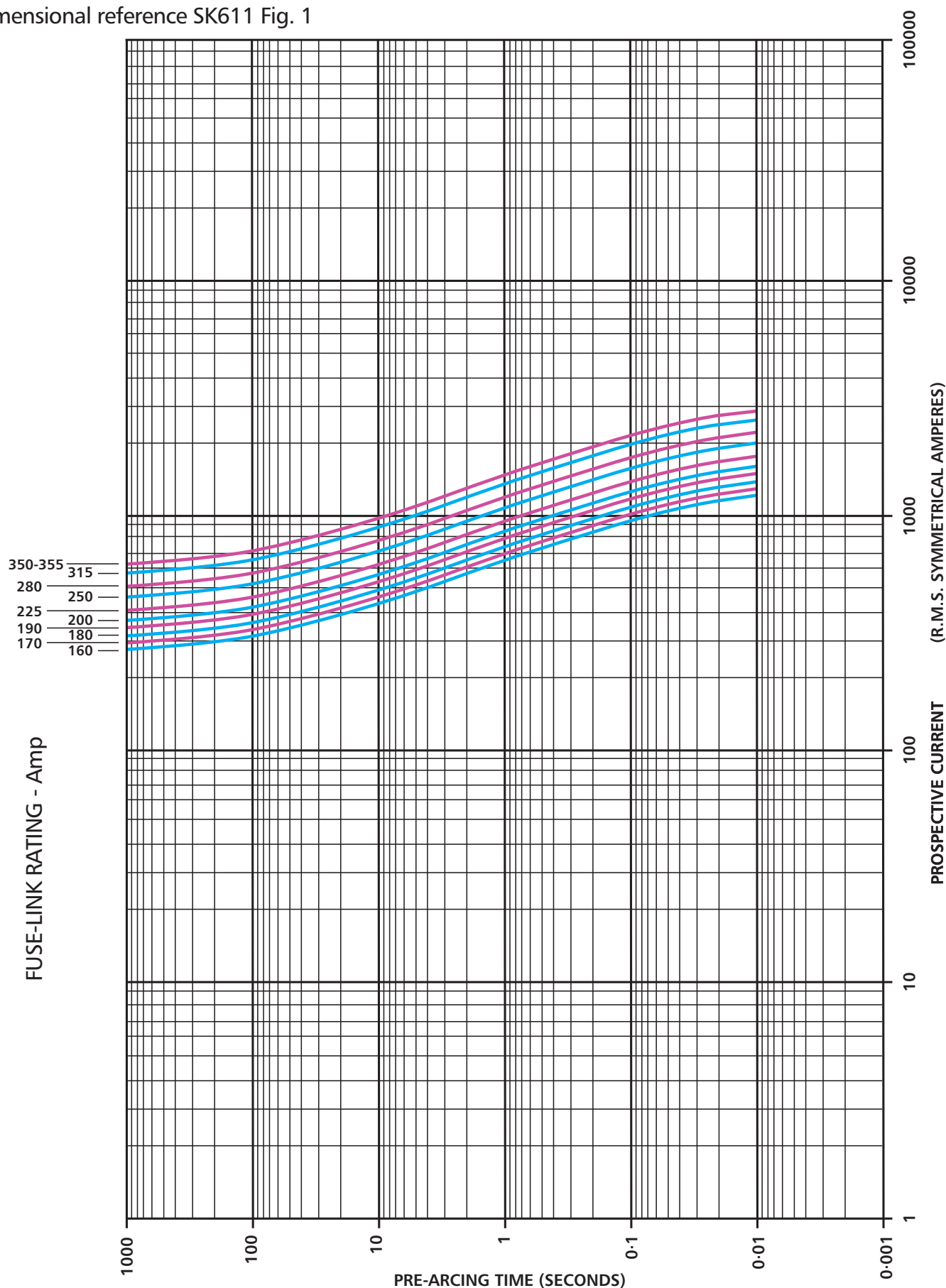
Dimensional reference SK610 Fig. 1



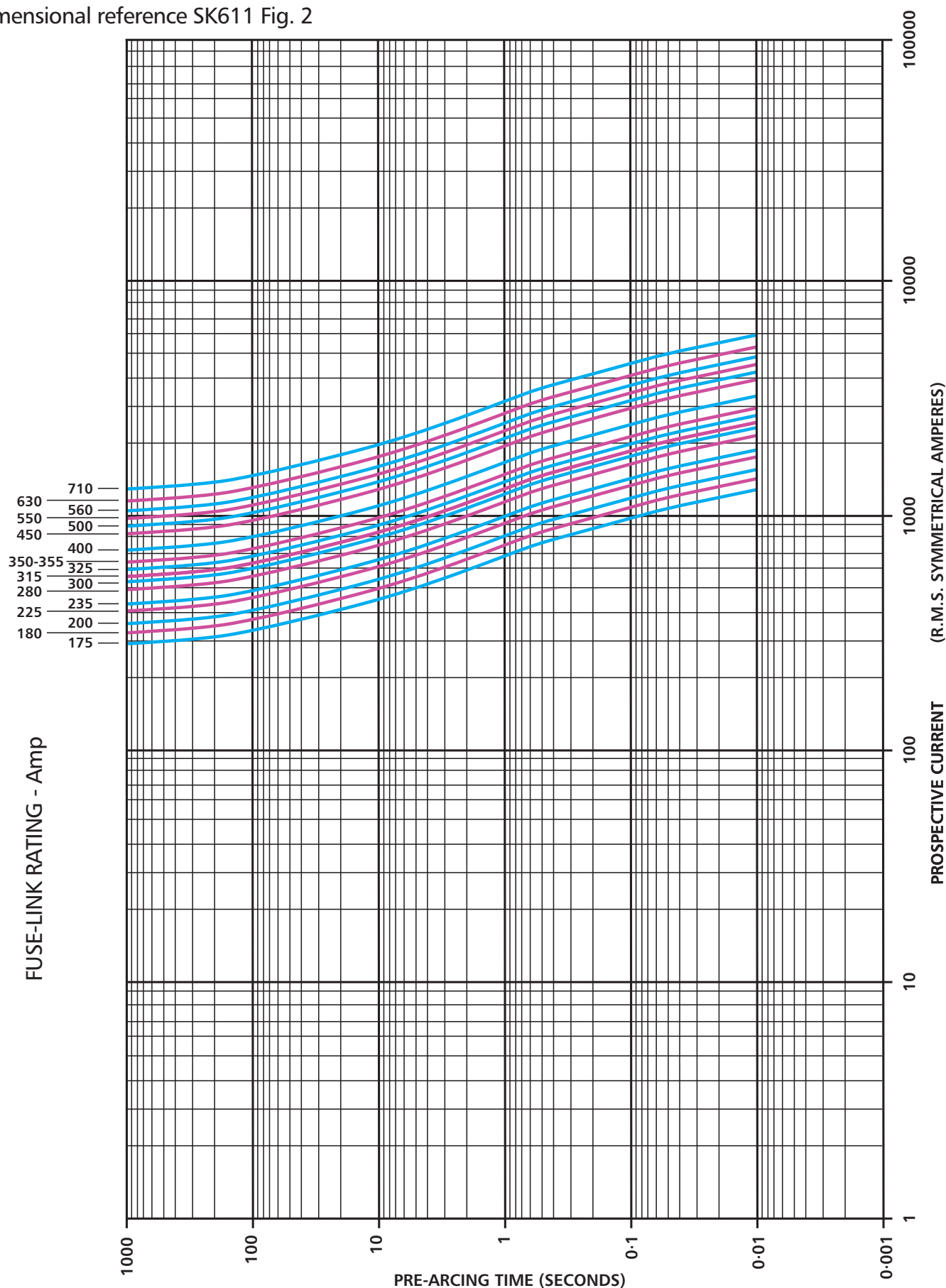
Dimensional reference SK610 Fig. 2

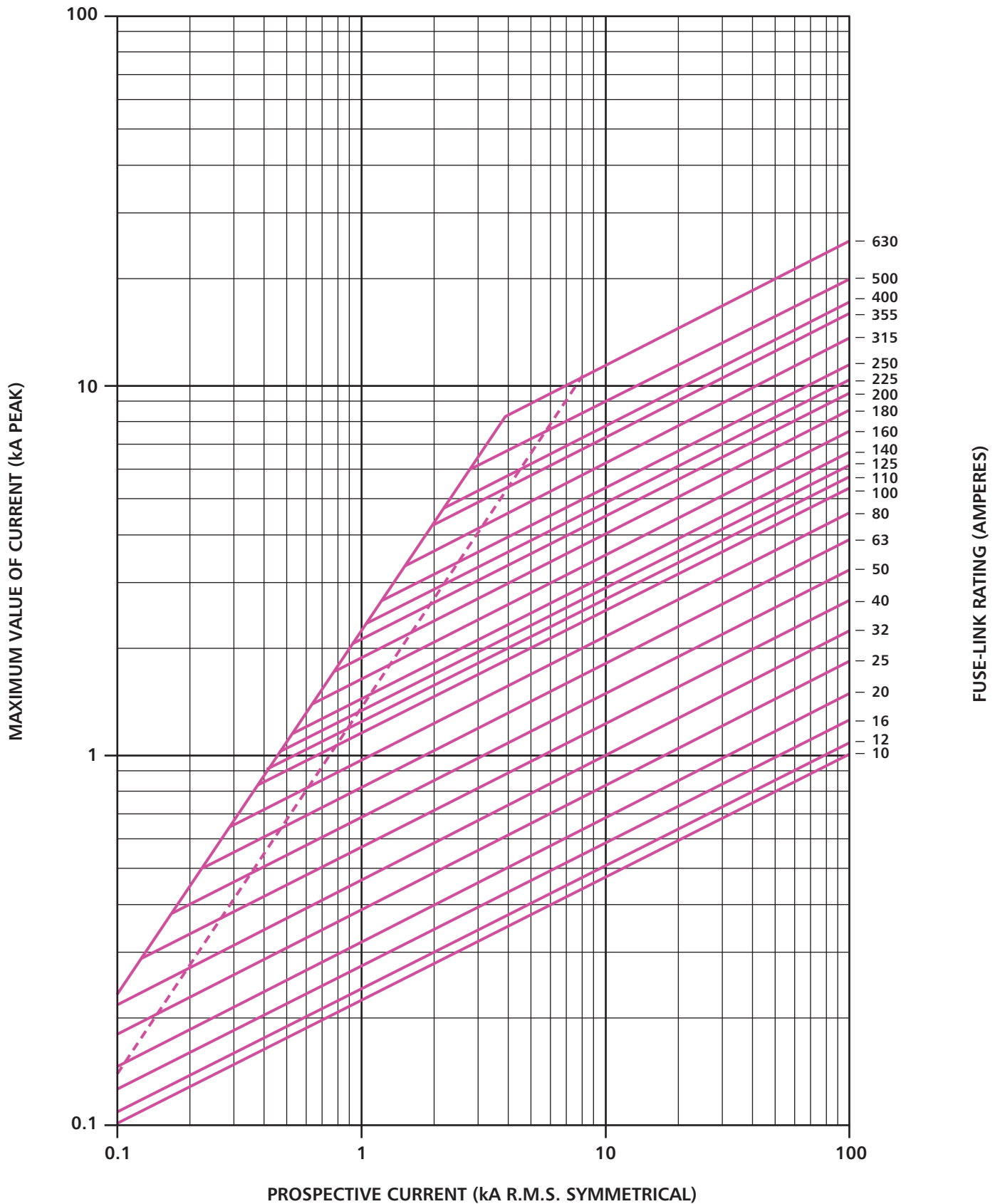


Dimensional reference SK611 Fig. 1

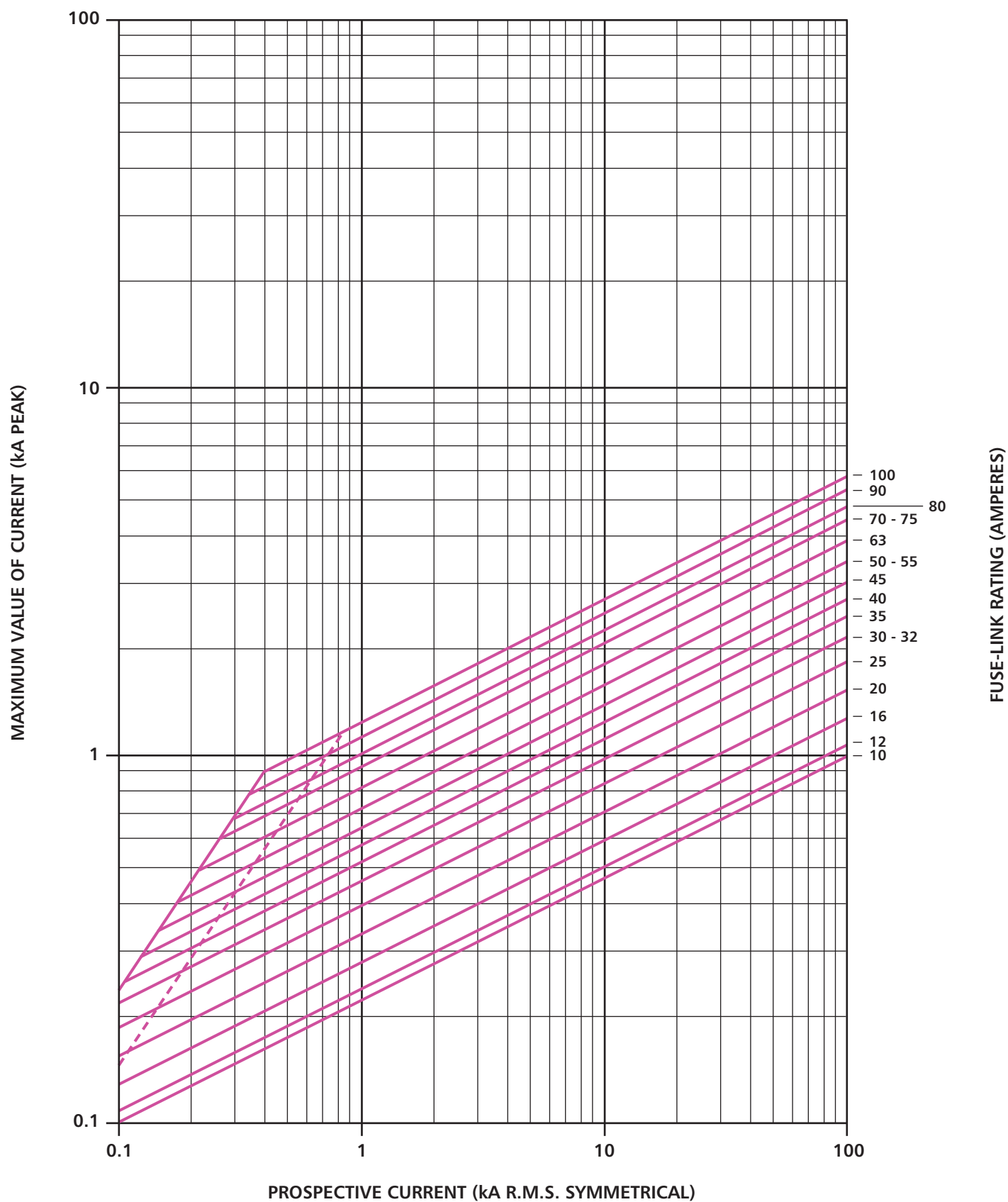


Dimensional reference SK611 Fig. 2

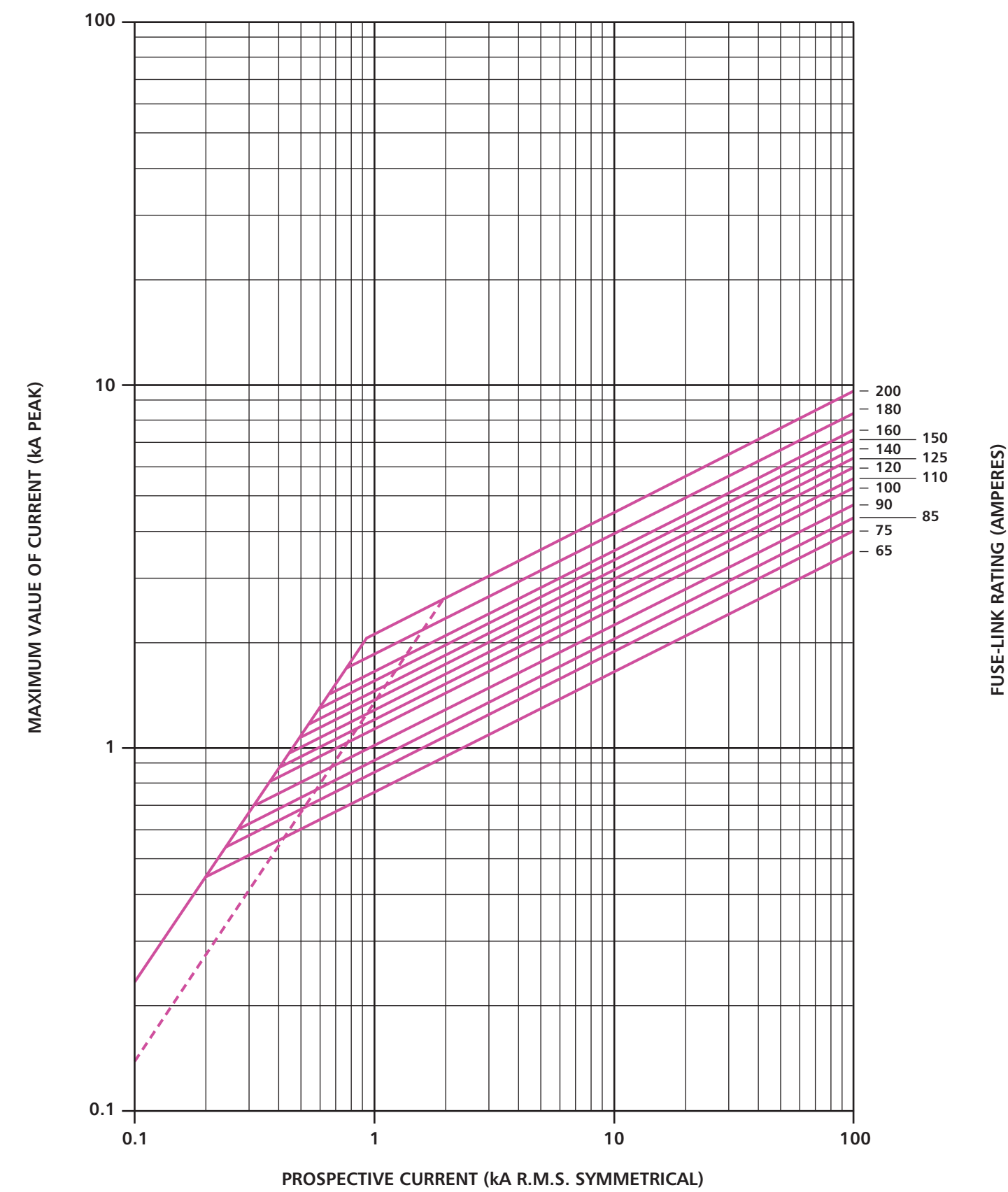




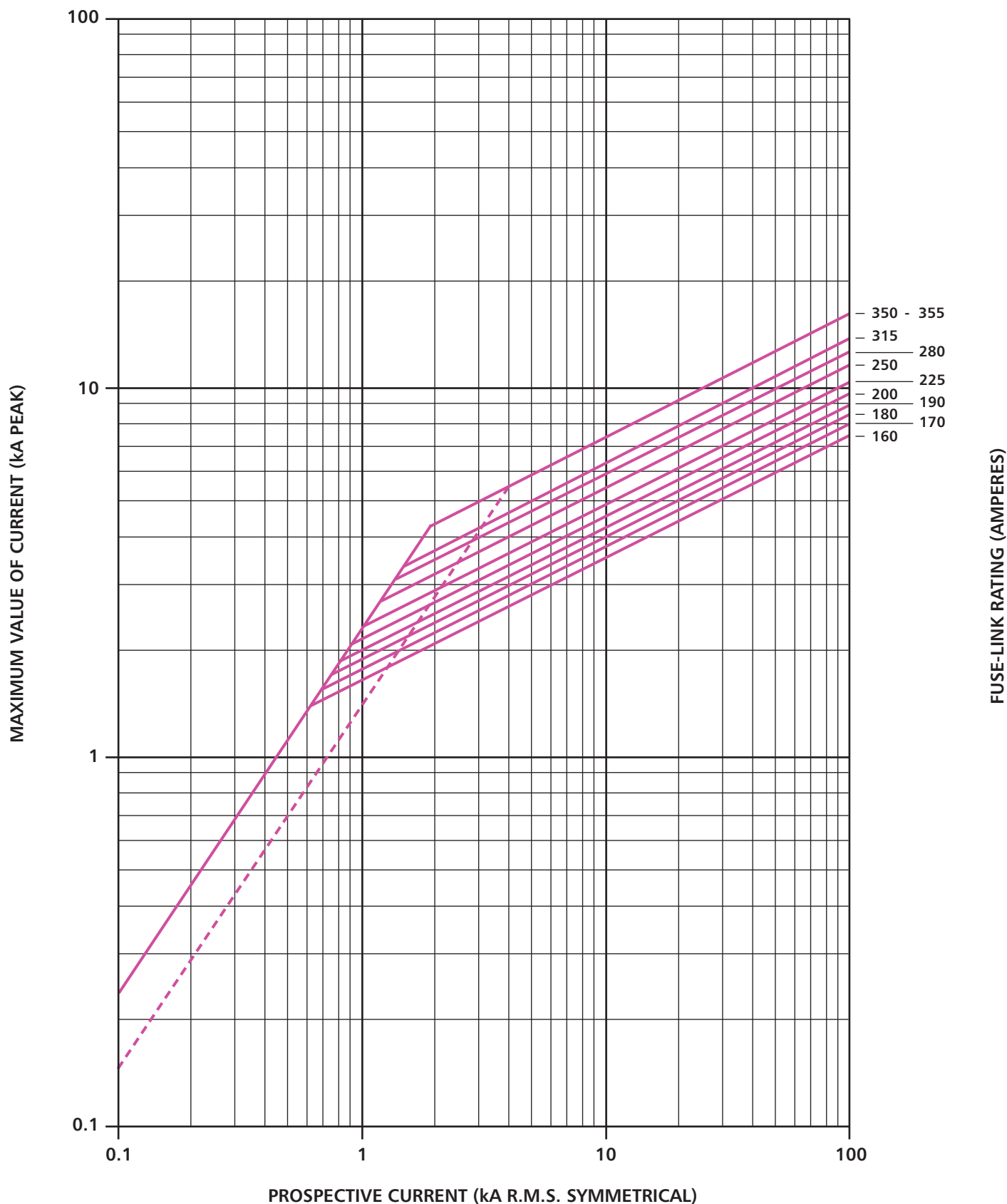
Dimensional reference SK610 Fig. 1



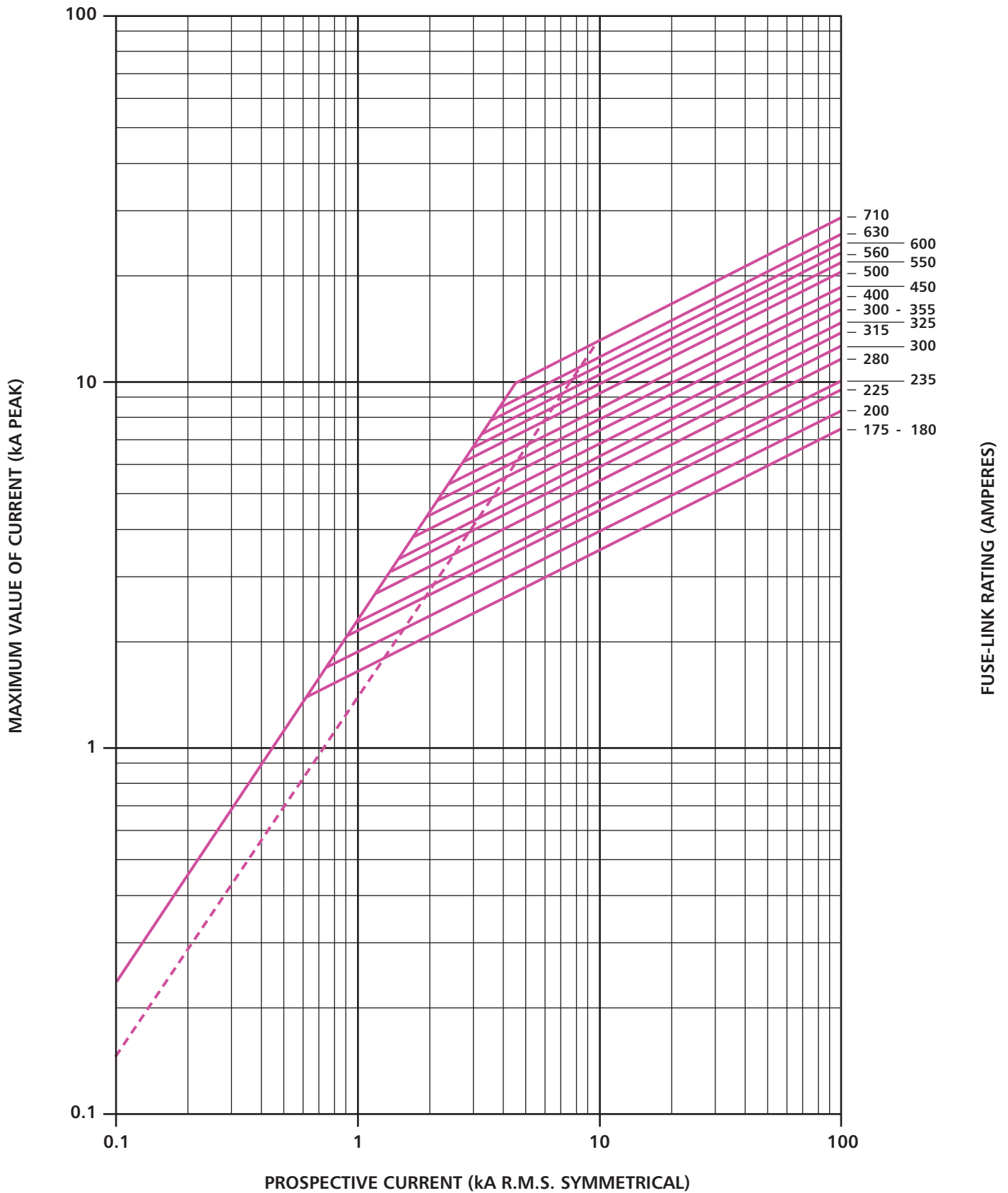
Dimensional reference SK610 Fig. 2



Dimensional reference SK611 Fig. 1



Dimensional reference SK611 Fig. 2

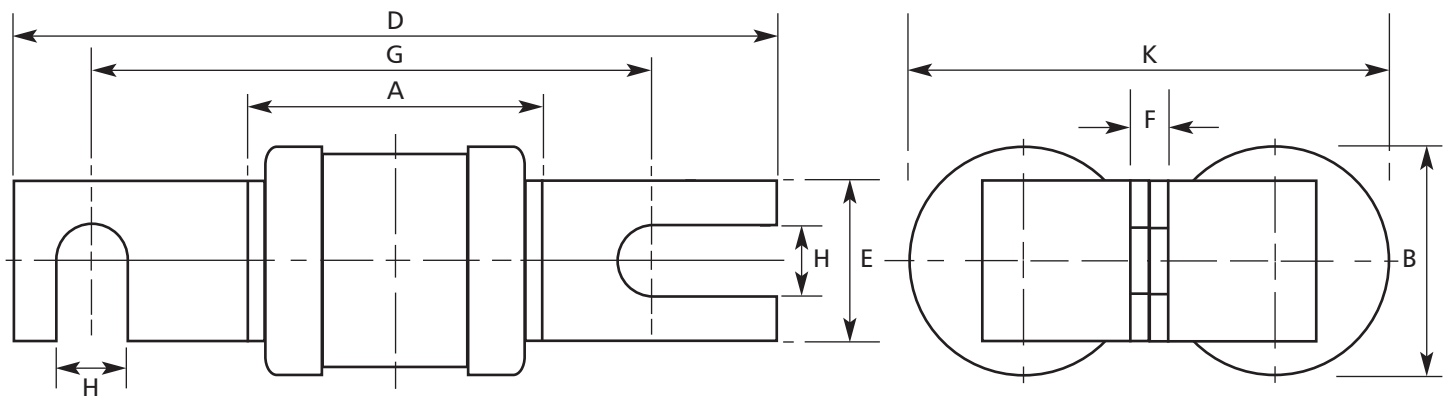


TECHNICAL SPECIFICATION AND LIST REFERENCE

Type 'LSCB, LSCBT, LSCBD and LSBD' Fuse-Links for the protection of Power Semiconductor Devices

Issue: 8 Date: 23.9.2021 Approved TH

Voltage Rating a.c. Volt	Current Rating Amps	List Reference	Pre Arcing I ² t A ² sec	Total I ² t at 690V A ² sec	Power Dissipation at I _N Watts	Dimensional Reference
690	10	LSCB10	5	35	2.5	SK 610 Fig. 1
	12	LSCB12	7	50	2.9	
	16	LSCB16	11	80	3.8	
	20	LSCB20	18	130	4.5	
	25	LSCB25	28	200	5.8	
	30	LSCB30	50	370	6.4	
	32	LSCB32	50	370	6.8	
	35	LSCB35	65	460	7.2	
	40	LSCB40	95	700	8.0	
	45	LSCB45	125	900	8.5	
	50	LSCB50	180	1300	9.5	
	55	LSCB55	200	1450	10.4	
	63	LSCB63	290	2100	11.5	
	70	LSCB70	390	2800	12.8	
	71	LSCB71	390	2800	13.0	
	75	LSCB75	430	3000	14.0	
	80	LSCB80	500	3500	14.5	
690	90	LSCB90	730	5200	15.5	SK 610 Fig. 2
	100	LSCB100	970	6800	16.0	
	65	LSCBT65	230	1600	12.0	
	75	LSCBT75	320	2300	14.5	
	85	LSCBT85	430	3000	16.2	
	90	LSCBT90	500	3600	16.6	
	100	LSCBT100	730	5200	18.5	
	110	LSCBT110	830	5900	21.0	
	120	LSCBT120	1050	7400	22.0	
	125	LSCBT125	1150	8200	23.0	
	140	LSCBT140	1500	11000	24.5	
690	150	LSCBT150	1850	13000	26.4	SK 611 Fig. 1
	160	LSCBT160	2000	14500	28.0	
	180	LSCBT180	3200	23000	30.0	
	200	LSCBT200	4200	30000	31.0	
	160	LSCB160	2000	14500	27.5	
	170	LSCB170	2600	18500	28.4	
	180	LSCB180	3200	23000	29.0	
	190	LSCB 190	3500	25000	30.0	
	200	LSCB200	4200	30000	31.0	
	225	LSCB225	5700	40000	35.0	
690	250	LSCB250	7500	53000	37.0	SK 611 Fig. 2
	280	LSCB280	10800	76000	39.0	
	315	LSCB315	13500	97000	47.0	
	350	LSCB350	19500	140000	57.0	
	355	LSCB355	19500	140000	59.0	
	175	LSCBD175	2000	14500	30.0	
	180	LSCBD180	2200	15500	31.0	
	200	LSCBD200	2900	21000	32.0	
	225	LSCBD225	4200	30000	39.0	
	235	LSCBD235	4700	33000	41.0	
	280	LSCBD280	8000	57000	44.0	
	300	LSCBD300	9500	67000	47.0	
	315	LSCBD315	10000	75000	48.0	
	325	LSCBD325	11500	83000	49.0	
	350	LSCBD350	15500	110000	55.0	
	355	LSCBD355	15500	110000	56.0	
	400	LSCBD400	20000	147000	60.0	
690	450	LSCBD450	30000	210000	65.0	SK 611 Fig. 2
	500	LSCBD500	39000	277000	68.0	
	550	LSCBD550	51000	360000	72.0	
	560	LSCBD560	55000	390000	74.0	
	630	LSCBD630	73000	520000	83.0	
	710	LSBD710	85000	600000	94.0	



Current Ratings (A)	Dimensions (mm)							
	A max	B max	D max	E nom	F max	G nom	H nom	K max
510 - 630	60	38.2	143	25.4	6.4*	110	11.5	83

* Nominal Dimension