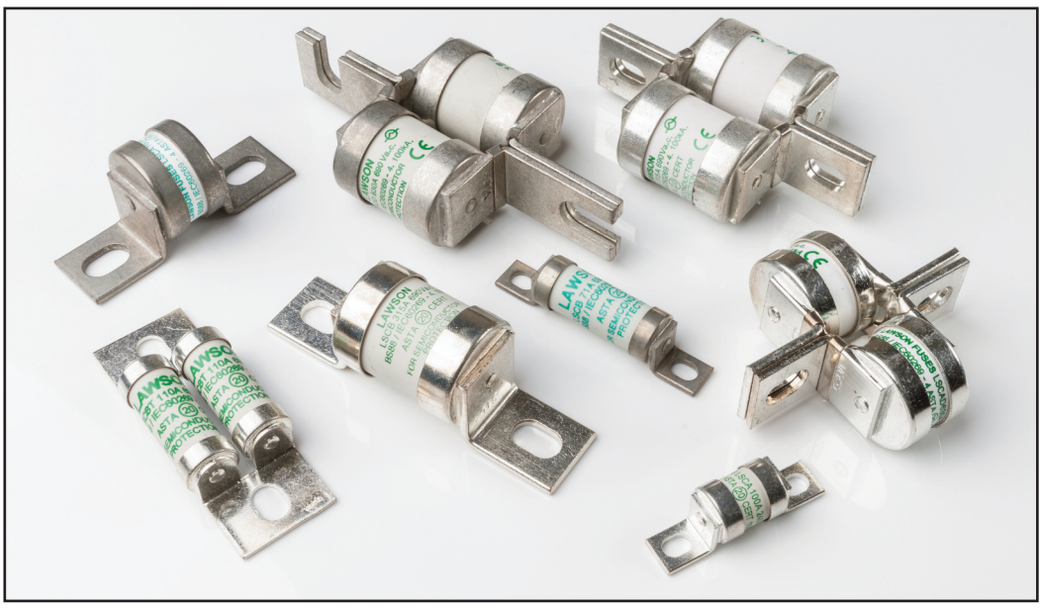
TYPE 'LSC-240'

Type 'LSC-240' 240 Volt Semiconductor Protection Fuse-Links

Complying with IEC 60269-4 / BS 88-4



Rated Voltage	**240V a.c. 120V d.c.**		
Current Ratings	**10A to 900A**		
Rated Breaking Capacity	**100kA a.c.**		
	100kA d.c.		
Breaking Range & Utilisation category	**aR**		
Outline Dimensions 240V a.c.	**LSCA & LSCAD**		**SK600**
Time/Current Characteristics 240V a.c.	**LSCA & LSCAD**	**(10-630A)**	**SK601**
Time/Current Characteristics 240V a.c.	**LSCA & LSA**	**(10-180A)**	**SK601.1**
Time/Current Characteristics 240V a.c.	**LSCA & LSA**	**(125-450)**	**SK601.2**
Time/Current Characteristics 240V a.c.	**LSCAD & LSAD**	**(300-900A)**	**SK601.3**
Cut-off characteristics 240V a.c.	**LSCA & LSCAD**	**(10-630A)**	**SK602**
Cut-off Characteristics 240V a.c.	**LSCA & LSA**	**(10-180A)**	**SK602.1**
Cut-off Characteristics 240V a.c.	**LSCA & LSA**	**(125-450A)**	**SK602.2**
Cut-off Characteristics 240V a.c.	**LSCAD & LSAD**	**(300-900A)**	**SK602.3**
Technical Specification	**LSCA & LSCAD**		**SK603**
Outline Dimensions	**LSA & LSAD**		**SK604**
Time/Current Characteristics 240V a.c.	**LSA & LSAD**	**(125-900A)**	**SK605**
Cut-off Characteristics 240V a.c.	**LSA & LSAD**	**(125-900A)**	**SK606**
Technical Specification	**LSA & LSAD**		**SK607**
Technical Specification	**LSCA, LSCAD & LSA, LSAD**		**SK609**

A comprehensive range of Fuse-Links for the protection of semiconductor devices. The 240V 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.

LAWSON FUSES LIMITED

Meadowfield, Ponteland, Newcastle-Upon-Tyne NE20 9SW

SK600

OUTLINE DIMENSIONS 240V a.c.

Type 'LSCA & LSCAD'

Issue: 5 Date: 13.9.2021 Approved TH

Figure 1

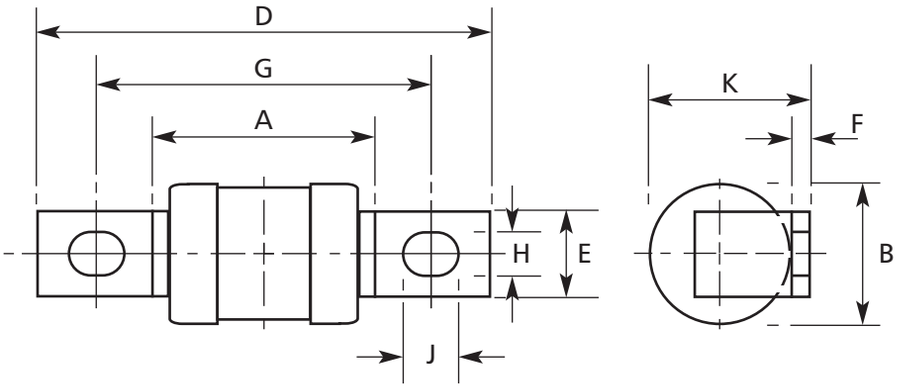


Figure 2

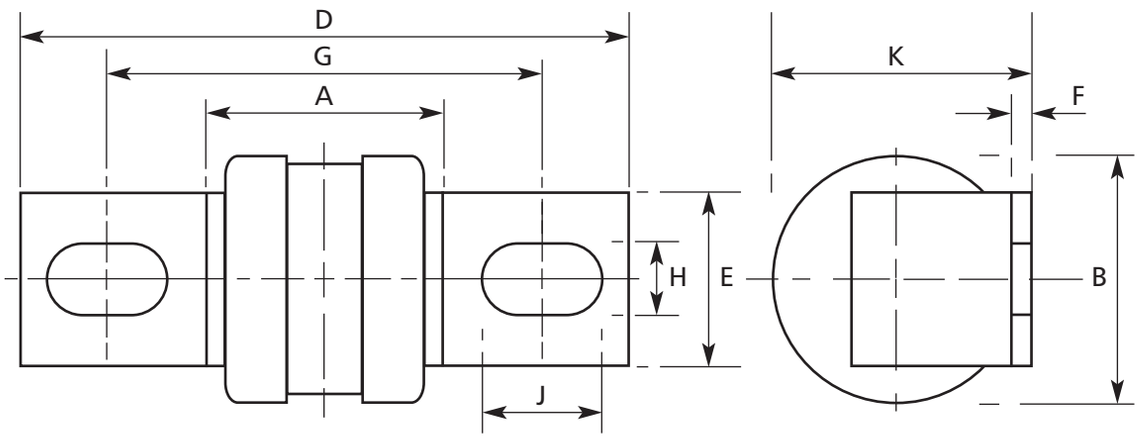
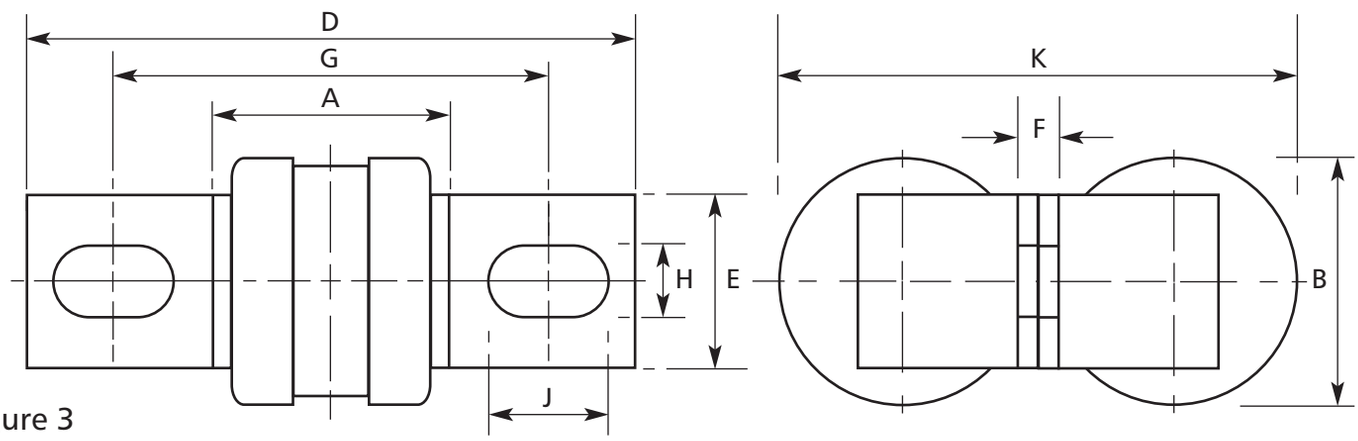


Figure 3



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	29.2	17.7	58.4	12.7	2.5	41.8	6.4	7.9	19.3
125 - 315	2	32.6	38.2	85	25.4	3.3	59	10.3	13	41.5
325 - 630	3	32.6	38.2	85	25.4	6.4*	59	10.3	13	83

* Nominal Dimension

LAWSON FUSES LIMITED

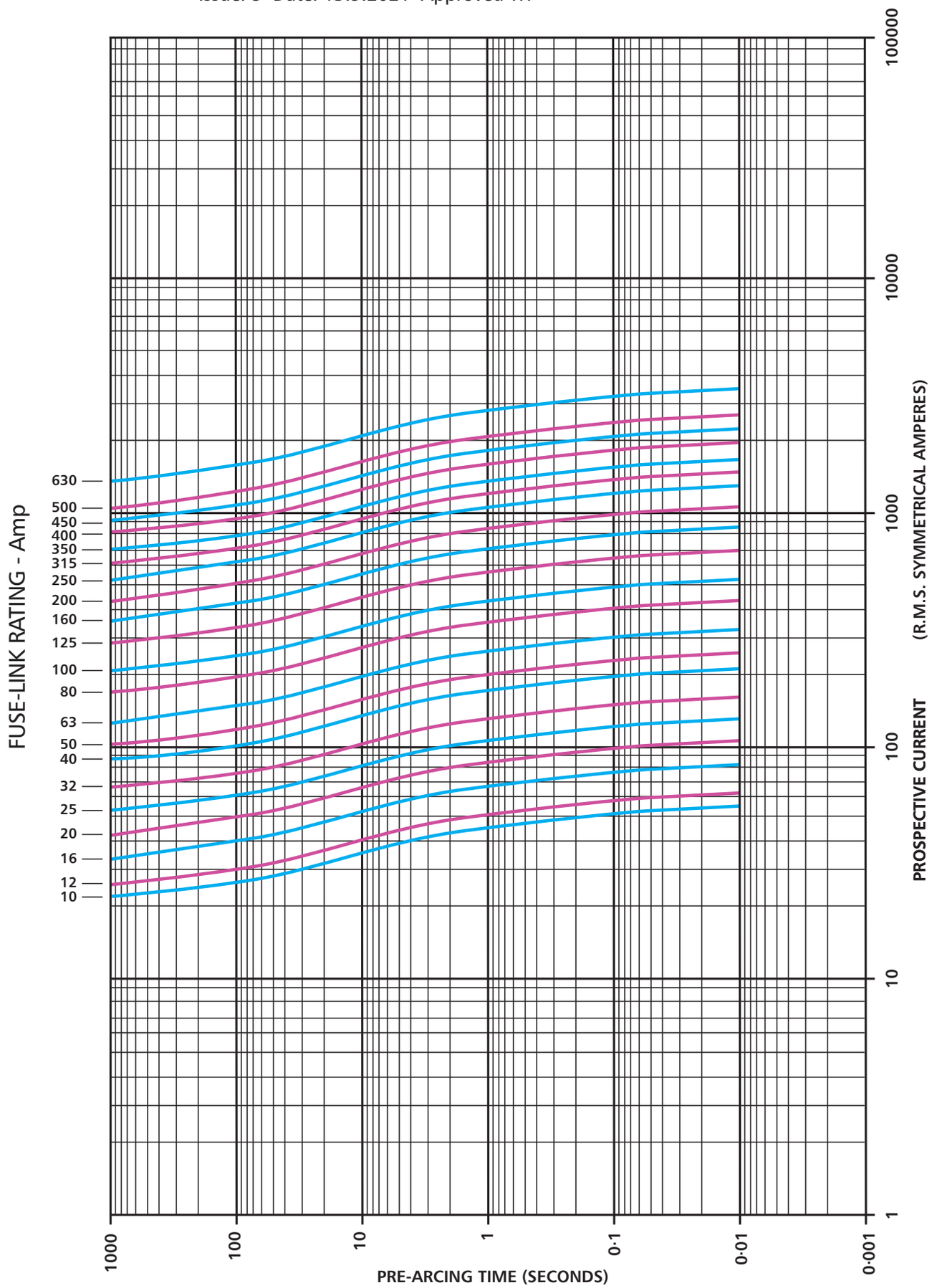
Meadowfield, Ponteland, Newcastle-Upon-Tyne NE20 9SW

SK601

TIME/CURRENT CHARACTERISTICS 240V a.c.

Type 'LSCA & LSCAD'

Issue: 5 Date: 13.9.2021 Approved TH



LAWSON FUSES LIMITED

Meadowfield, Ponteland, Newcastle-Upon-Tyne NE20 9SW

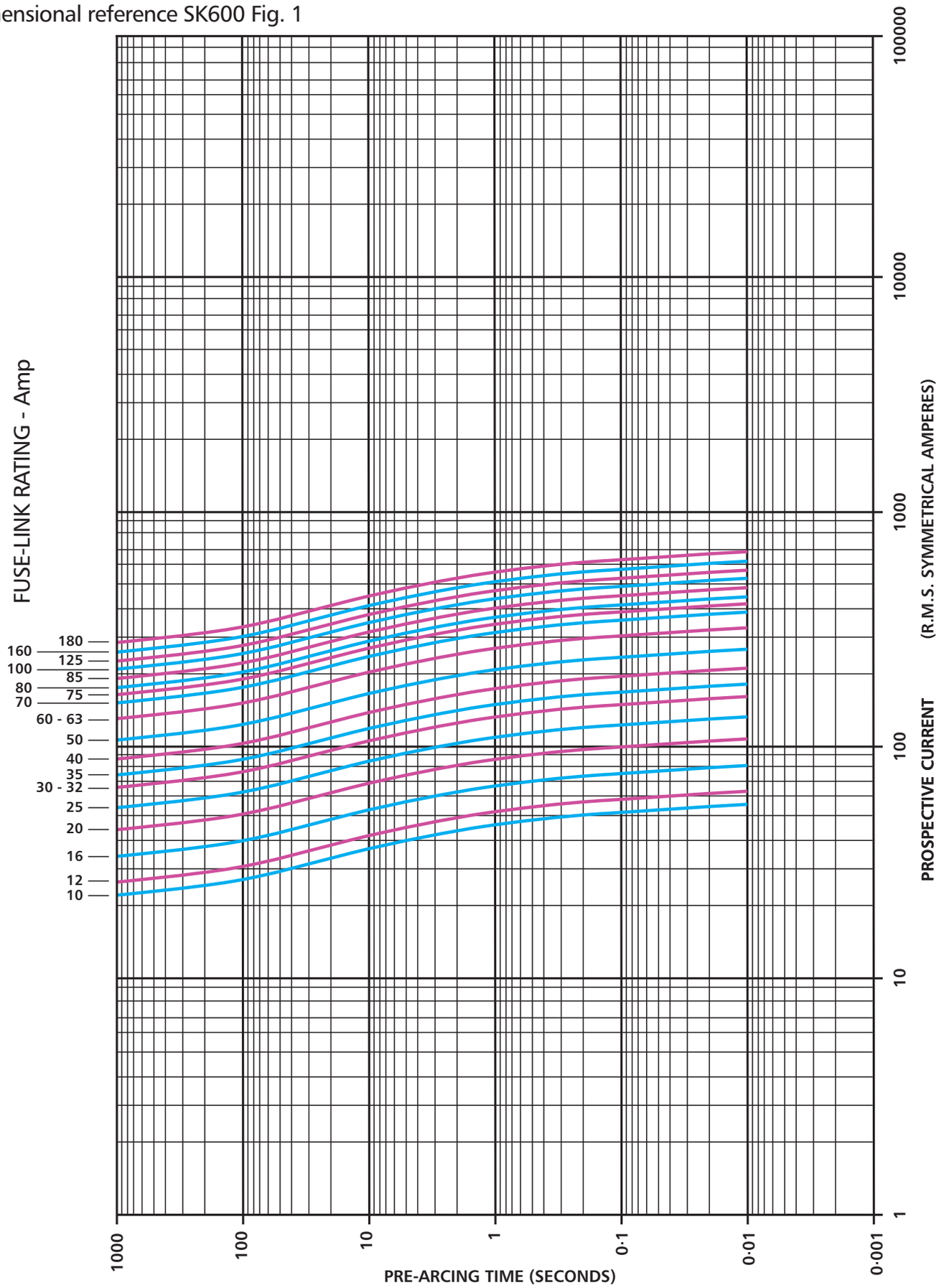
SK601.1

TIME/CURRENT CHARACTERISTICS 240V a.c.

Type 'LSCA & LSA'

Issue: 5 Date: 13.9.2021 Approved TH

Dimensional reference SK600 Fig. 1



LAWSON FUSES LIMITED

Meadowfield, Ponteland, Newcastle-Upon-Tyne NE20 9SW

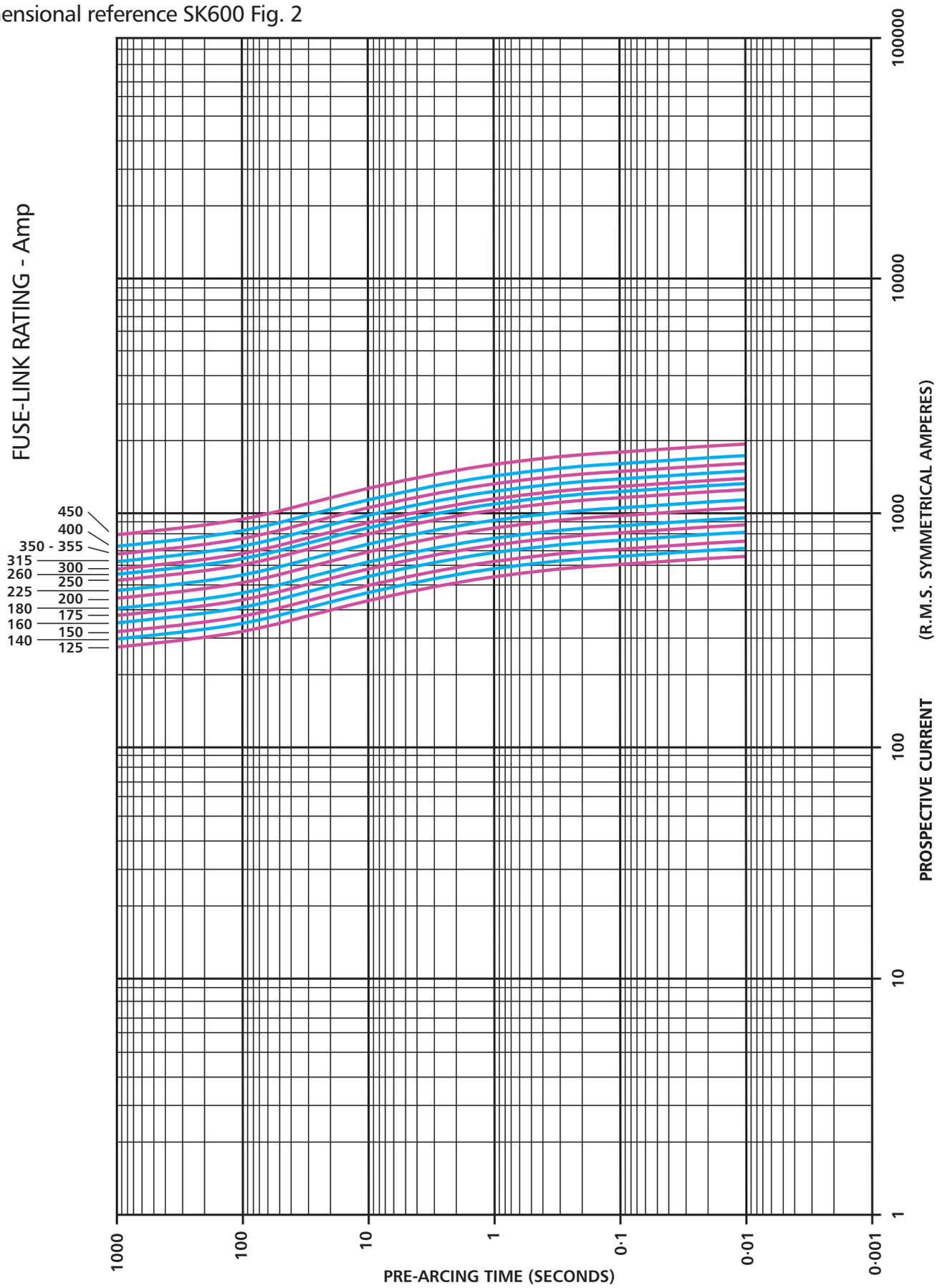
SK601.2

TIME/CURRENT CHARACTERISTICS 240V a.c.

Type 'LSCA & LSA'

Issue: 5 Date: 13.9.2021 Approved TH

Dimensional reference SK600 Fig. 2



LAWSON FUSES LIMITED

Meadowfield, Ponteland, Newcastle-Upon-Tyne NE20 9SW

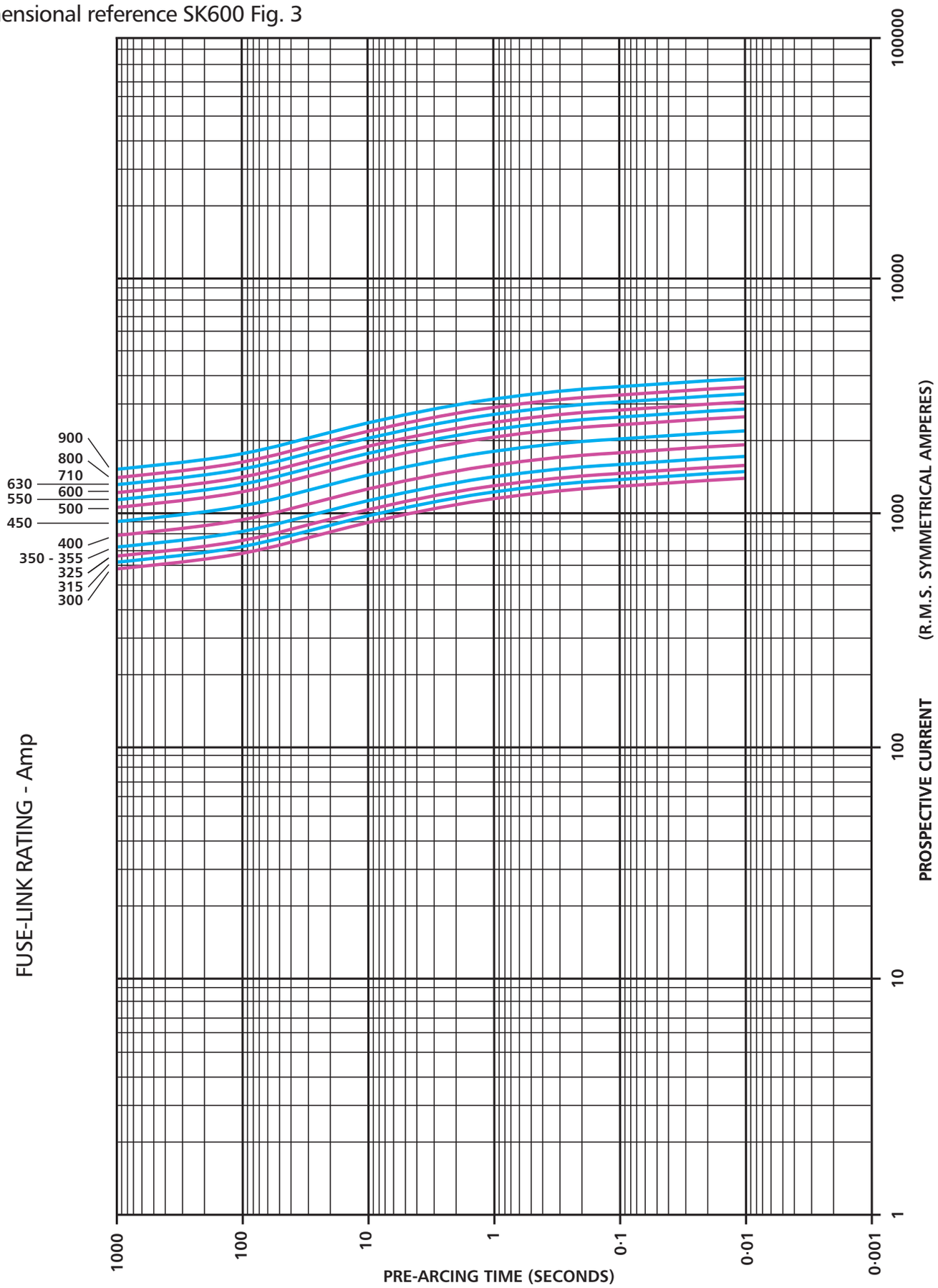
SK601.3

TIME/CURRENT CHARACTERISTICS 240V a.c.

Type 'LSCAD & LSAD'

Issue: 5 Date: 13.9.2021 Approved TH

Dimensional reference SK600 Fig. 3



LAWSON FUSES LIMITED

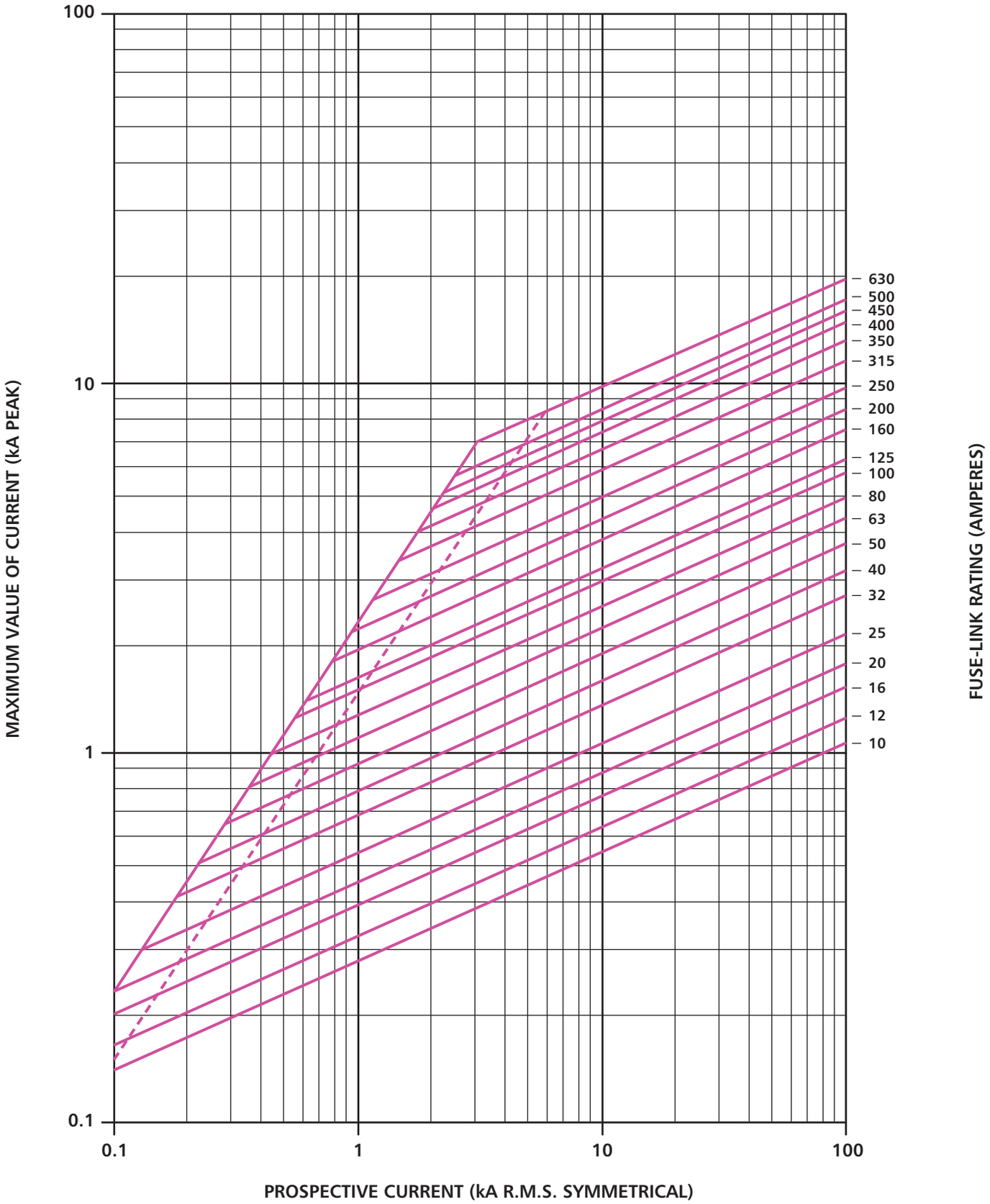
Meadowfield, Ponteland, Newcastle-Upon-Tyne NE20 9SW

SK602

CUT-OFF CURRENT CHARACTERISTICS 240V a.c.

Type 'LSCA & LSCAD'

Issue: 5 Date: 13.9.2021 Approved TH



LAWSON FUSES LIMITED

Meadowfield, Ponteland, Newcastle-Upon-Tyne NE20 9SW

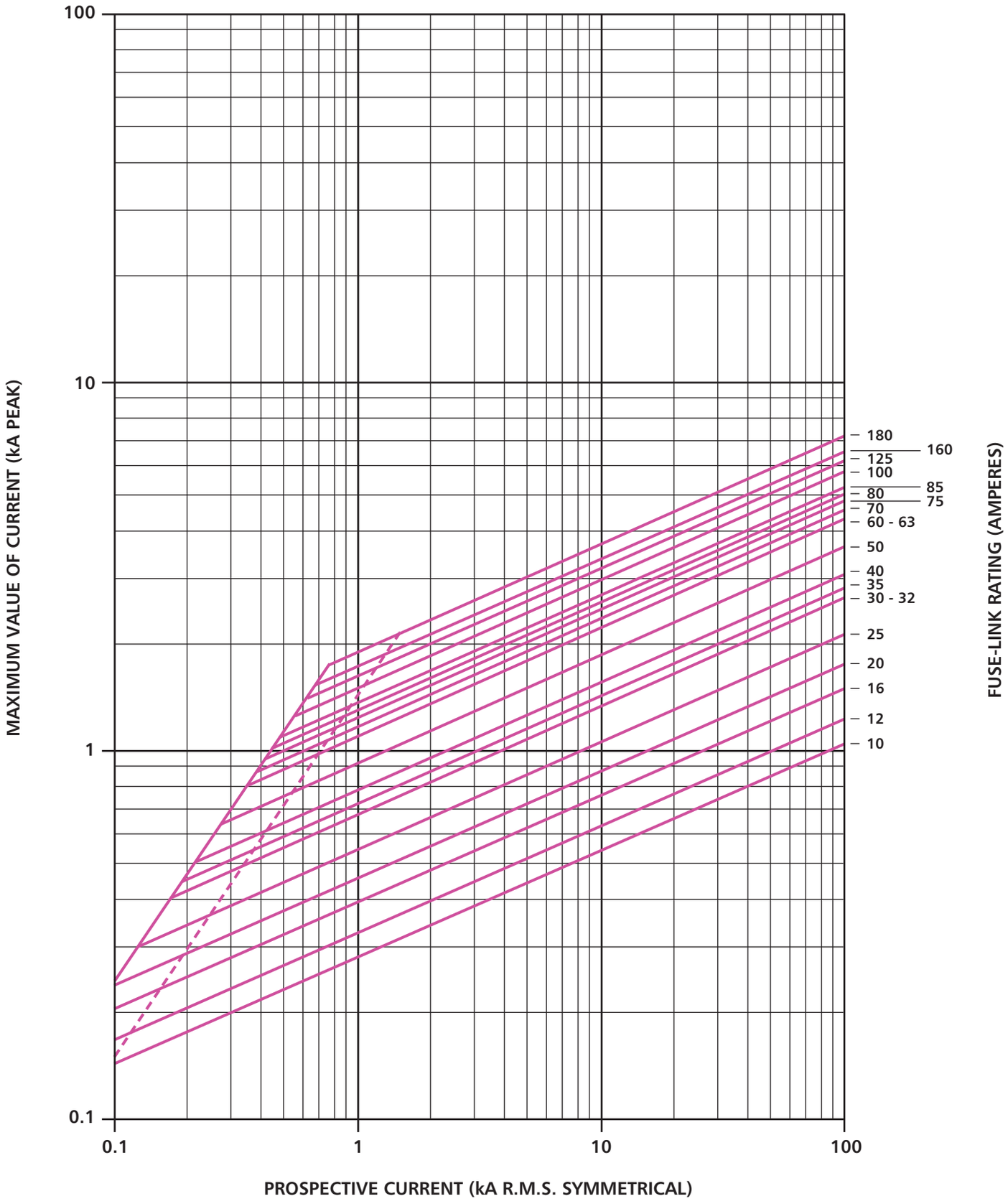
SK602.1

CUT-OFF CURRENT CHARACTERISTICS 240V a.c.

Type 'LSCA & LSA'

Issue: 5 Date: 13.9.2021 Approved TH

Dimensional reference SK600 Fig. 1



LAWSON FUSES LIMITED

Meadowfield, Ponteland, Newcastle-Upon-Tyne NE20 9SW

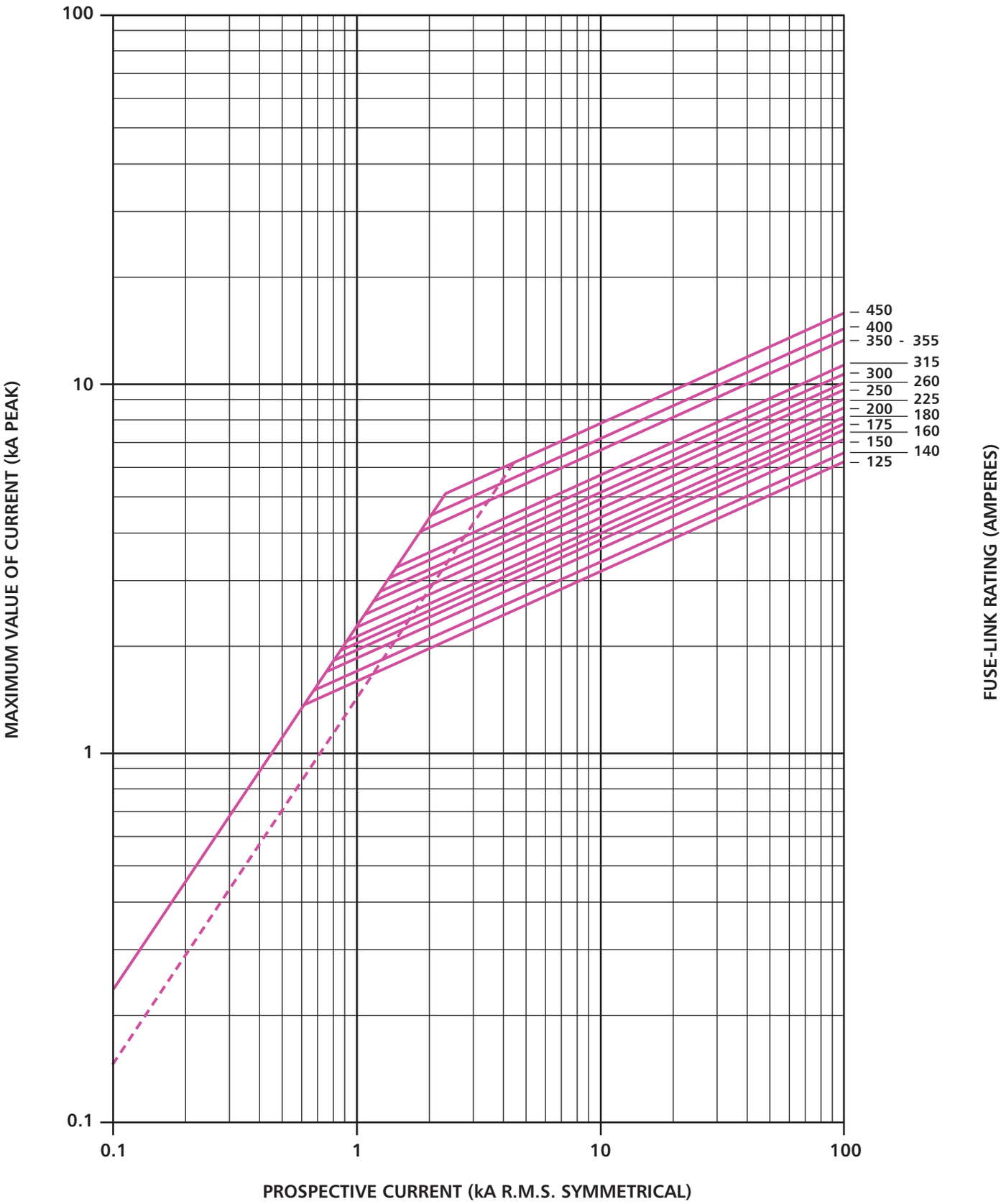
SK602.2

CUT-OFF CURRENT CHARACTERISTICS 240V a.c.

Type 'LSCA & LSA'

Issue: 5 Date: 13.9.2021 Approved TH

Dimensional reference SK600 Fig. 2



LAWSON FUSES LIMITED

Meadowfield, Ponteland, Newcastle-Upon-Tyne NE20 9SW

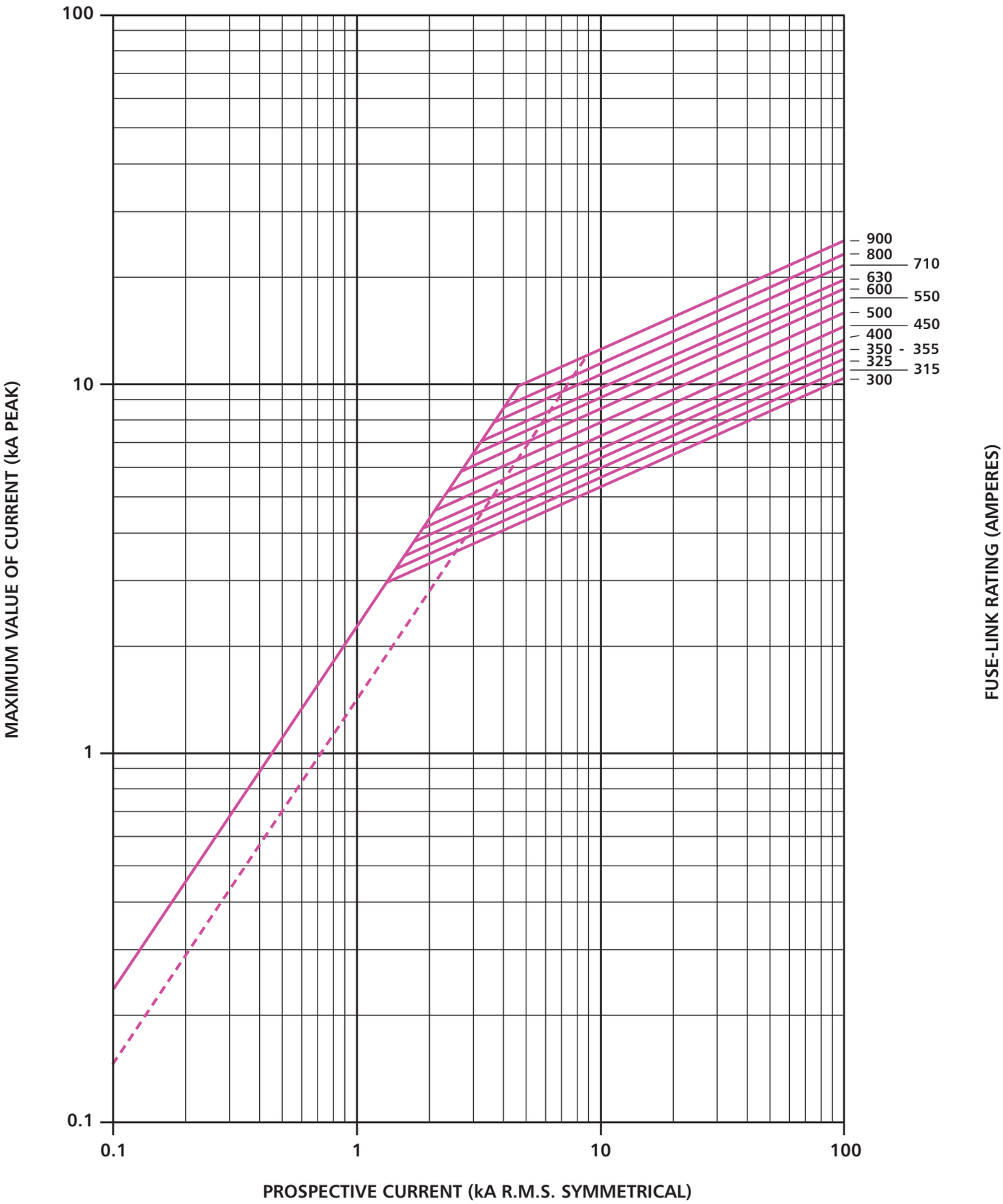
SK602.3

CUT-OFF CURRENT CHARACTERISTICS 240V a.c.

Type 'LSCAD & LSAD'

Issue: 5 Date: 13.9.2021 Approved TH

Dimensional reference SK600 Fig. 3



LAWSON FUSES LIMITED

Meadowfield, Ponteland, Newcastle-Upon-Tyne NE20 9SW

SK603

TECHNICAL SPECIFICATION AND LIST REFERENCE

Type 'LSCA & LSCAD'

Issue: 7 Date: 13.9.2021 Approved TH

Voltage Rating a.c. Volt	Current Rating Amps	List Reference	Pre Arcing I^2t A^2sec	Total I^2t at 240V A^2sec	Power Dissipation at I_N Watts	Dimensional Reference
240	10	LSCA10	5	26	0.85	SK 600 Fig. 1
	12	LSCA12	8	45	0.9	
	16	LSCA16	16	85	1.1	
	20	LSCA20	27	140	1.4	
	25	LSCA25	45	240	1.7	
	30	LSCA30	80	420	1.9	
	32	LSCA32	80	420	2.2	
	35	LSCA35	95	500	2.3	
	40	LSCA40	120	650	2.8	
	50	LSCA50	230	1200	3.3	
	60	LSCA60	360	1900	4.0	
	63	LSCA63	360	1900	4.3	
	70	LSCA70	470	2500	5.0	
	75	LSCA75	530	2800	5.7	
	80	LSCA80	580	3100	6.0	
	85	LSCA85	660	3500	6.6	
	100	LSCA100	950	5000	7.5	
240	125	LSCA125	1300	7000	9.0	SK 600 Fig. 2
	140	LSCA140	1700	9000	10.0	
	150	LSCA150	2000	10700	11.0	
	160	LSCA160	2300	12500	12.0	
	175	LSCA175	2600	13800	13.0	
	180	LSCA180	2900	15400	14.5	
	200	LSCA200	3500	18500	16.5	
	225	LSCA225	4200	22000	18.5	
	250	LSCA250	5200	27500	20.0	
	260	LSCA260	5700	30000	22.0	
	300	LSCA300	7550	39000	25.0	
	315	LSCA315	8100	42500	28.4	
240	325	LSCAD325	10600	55000	25.0	SK 600 Fig. 3
	350	LSCAD350	13000	68000	26.0	
	355	LSCAD355	13000	68000	27.0	
	400	LSCAD400	16500	88000	30.0	
	450	LSCAD450	23000	120000	32.0	
	500	LSCAD500	27500	145000	38.0	
	550	LSCAD550	32500	170000	42.0	
	600	LSCAD600	38000	200000	46.0	
	630	LSCAD630	41000	214000	50.0	

SK604

OUTLINE DIMENSIONS 240V a.c.
Type 'LSA & LSAD'
Issue: 5 Date: 13.9.2021 Approved TH

Figure 1

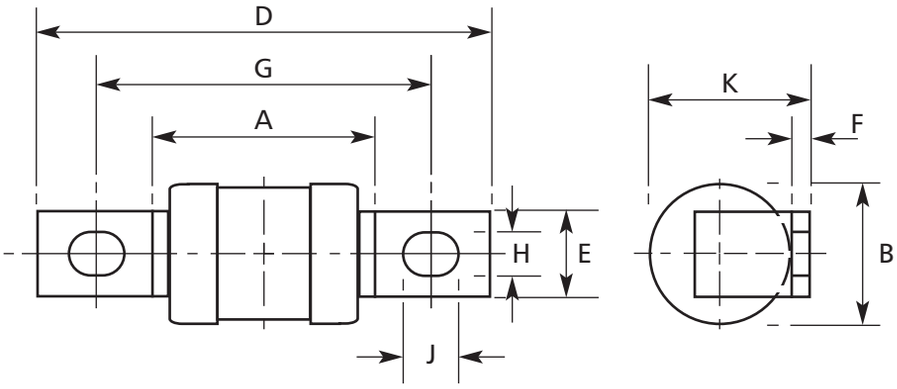


Figure 2

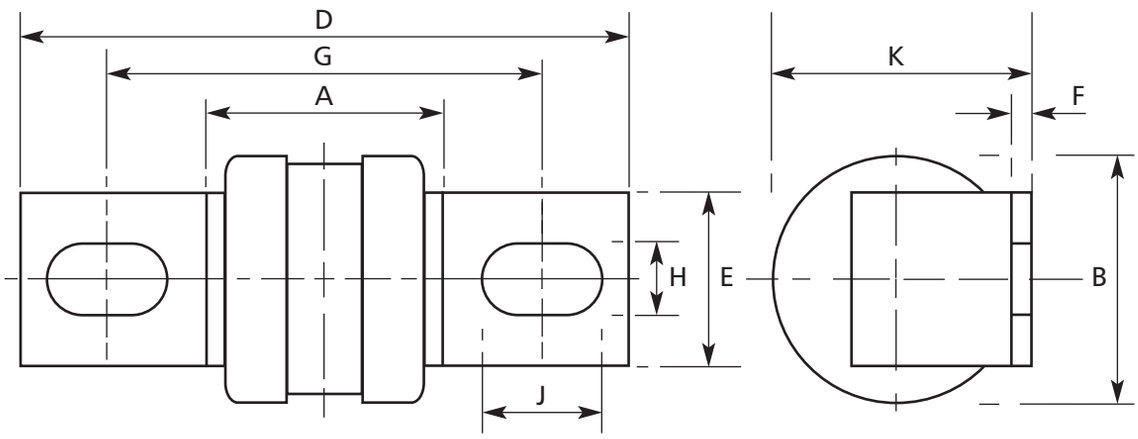
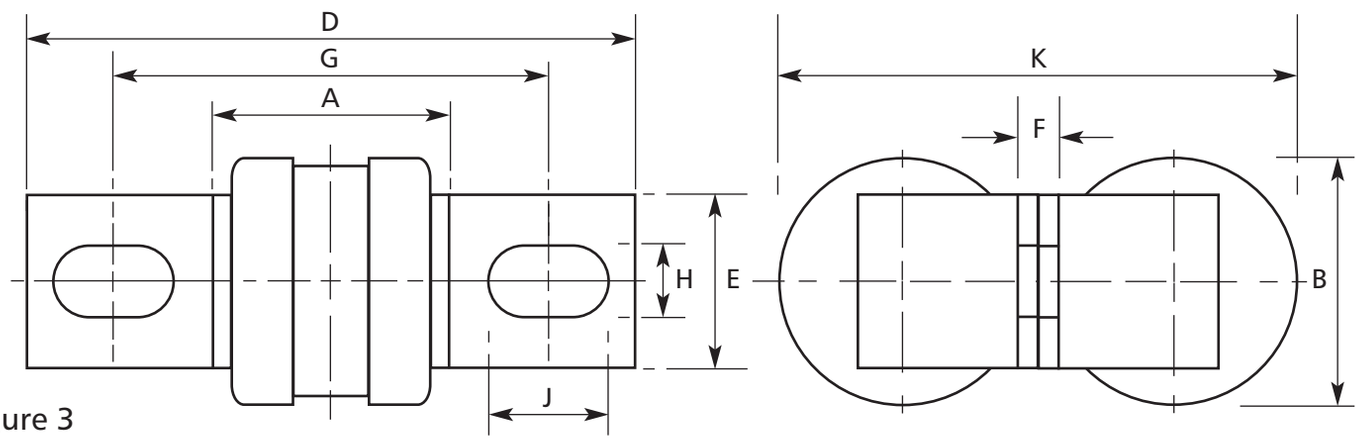


Figure 3



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
125 - 180	1	29.2	17.7	58.4	12.7	2.5	41.8	6.4	7.9	19.3
350 - 450	2	32.6	38.2	85	25.4	3.3	59	10.3	13	41.5
300 - 900	3	32.6	38.2	85	25.4	6.4*	59	10.3	13	83

* Nominal Dimension

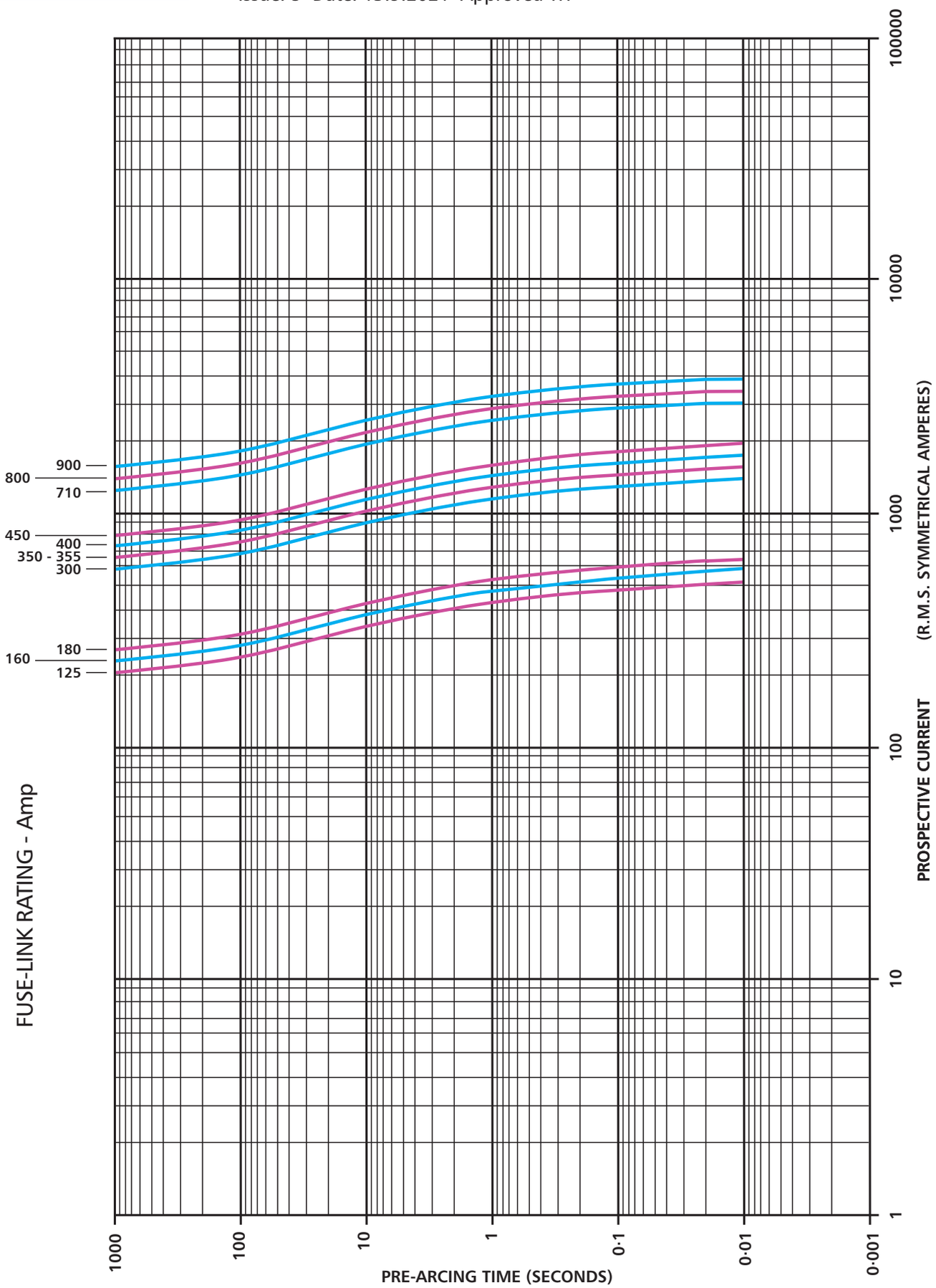
LAWSON FUSES LIMITED
Meadowfield, Ponteland, Newcastle-Upon-Tyne NE20 9SW

SK605

TIME/CURRENT CHARACTERISTICS 240V a.c.

Type 'LSA & LSAD'

Issue: 5 Date: 13.9.2021 Approved TH



LAWSON FUSES LIMITED

Meadowfield, Ponteland, Newcastle-Upon-Tyne NE20 9SW

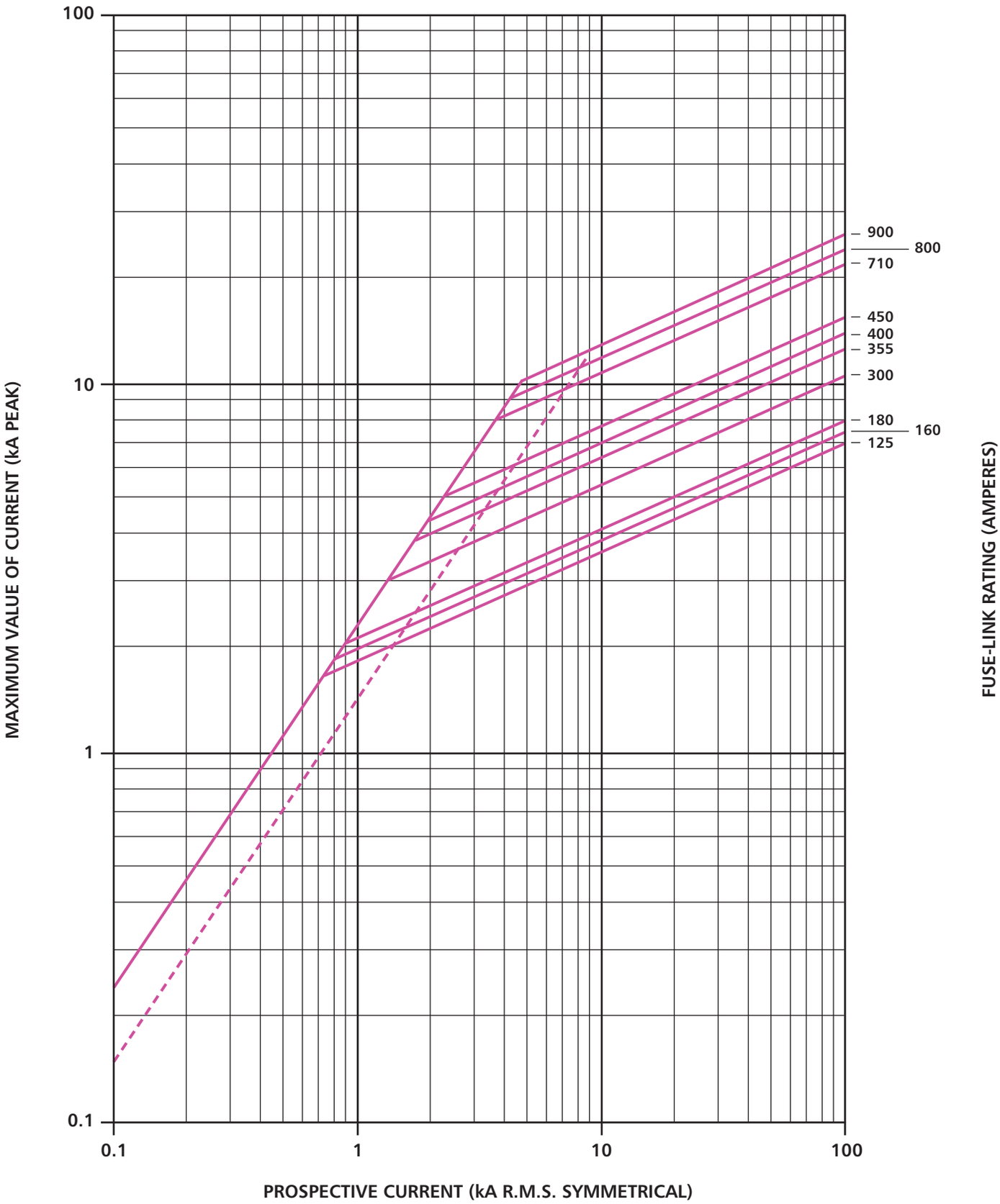
SK606

CUT-OFF CURRENT CHARACTERISTICS 240V a.c.

Type 'LSA & LSAD'

Issue: 5 Date: 13.9.2021 Approved TH

Dimensional reference SK604



LAWSON FUSES LIMITED

Meadowfield, Ponteland, Newcastle-Upon-Tyne NE20 9SW

SK607

TECHNICAL SPECIFICATION AND LIST REFERENCE

Type 'LSA & LSAD'

Issue: 5 Date: 13.9.2021 Approved TH

Voltage Rating a.c. Volt	Current Rating Amps	List Reference	Pre Arcing I^2t A^2sec	Total I^2t at 240V A^2sec	Power Dissipation at I_N Watts	Dimensional Reference
240	125	LSA125	1050	5500	12.0	SK 604 Fig. 1
	160	LSA160	1200	6500	19.5	
	180	LSA180	1600	8700	24.0	
240	350	LSA350	12800	67000	29.0	SK 604 Fig. 2
	355	LSA355	12800	67000	30.0	
	400	LSA400	14900	78000	38.0	
	450	LSA450	18400	96000	44.5	
240	300	LSAD300	8000	42000	26.0	SK 604 Fig. 3
	315	LSAD315	9500	50000	27.0	
	710	LSAD710	55000	290000	62.0	
	800	LSAD800	64000	335000	78.0	
	900	LSAD900	73000	385000	95.0	

SK609

TECHNICAL SPECIFICATION AND LIST REFERENCE

Type 'LSCA, LSCAD & LSA, LSAD'

Issue: 5 Date: 13.9.2021 Approved TH

Voltage Rating a.c. Volt	Current Rating Amps	List Reference Old	List Reference New	Pre Arcing I^2t A^2sec	Total I^2t at 240V A^2sec	Power Dissipation at I_N Watts	Dimensional Reference
240	10	LSCA10	LSCA10	5	26	0.85	SK600 & SK604 Fig. 1
	12	LSCA12	LSCA12	8	45	0.9	
	16	LSCA16	LSCA16	16	85	1.1	
	20	LSCA20	LSCA20	27	140	1.4	
	25	LSCA25	LSCA25	45	240	1.7	
	30	LSCA30	LSCA30	80	420	1.9	
	32	LSCA32	LSCA32	80	420	2.2	
	35	LSCA35	LSCA35	95	500	2.3	
	40	LSCA40	LSCA40	120	650	2.8	
	50	LSCA50	LSCA50	230	1200	3.3	
	60	LSCA60	LSCA60	360	1900	4.0	
	63	LSCA63	LSCA63	360	1900	4.3	
	70	LSCA70	LSCA70	470	2500	5.0	
	75	LSCA75	LSCA75	530	2800	5.7	
	80	LSCA80	LSCA80	580	3100	6.0	
	85	LSCA85	LSCA85	660	3500	6.6	
	100	LSCA100	LSCA100	950	5000	7.5	
	125	LSC125	LSA125	1050	5500	12.0	
	160	LSC160	LSA160	1200	6500	19.5	
	180	LSC180	LSA180	1600	8700	24.0	
240	125	LSCA125	LSCA125	1300	7000	9.0	SK600 & SK604 Fig. 2
	140	LSCA140	LSCA140	1700	9000	10.0	
	150	LSCA150	LSCA150	2000	10700	11.0	
	160	LSCA160	LSCA160	2300	12500	12.0	
	175	LSCA175	LSCA175	2600	13800	13.0	
	180	LSCA180	LSCA180	2900	15400	14.5	
	200	LSCA200	LSCA200	3500	18500	16.5	
	225	LSCA225	LSCA225	4200	22000	18.5	
	250	LSCA250	LSCA250	5200	27500	20.0	
	260	LSCA260	LSCA260	5700	30000	22.0	
	300	LSCA300	LSCA300	7500	39000	25.0	
	315	LSCA315	LSCA315	8100	42500	28.4	
	350	LSC350	LSA350	12800	67000	29.0	
	355	LSC355	LSA355	12800	67000	30.0	
	400	LSC400	LSA400	14900	78000	38.0	
	450	LSC450	LSA450	18400	96000	44.5	
240	300	LSC300	LSAD300	8000	42000	26.0	SK600 & SK604 Fig. 3
	315	LSC315	LSAD315	9500	50000	27.0	
	325	LSCA325	LSCAD325	10600	55000	25.0	
	350	LSCA350	LSCAD350	13000	68000	26.0	
	355	LSCA355	LSCAD355	13000	68000	27.0	
	400	LSCA400	LSCAD400	16500	88000	30.0	
	450	LSCA450	LSCAD450	23000	120000	32.0	
	500	LSCA500	LSCAD500	27500	145000	38.0	
	550	LSCA550	LSCAD550	32500	170000	42.0	
	600	LSCA600	LSCAD600	38000	200000	46.0	
	630	LSCA630	LSCAD630	41000	214000	50.0	
	710	LSC710	LSAD710	55000	290000	62.0	
	800	LSC800	LSAD800	64000	335000	78.0	
	900	LSC900	LSAD900	73000	385000	95.0	