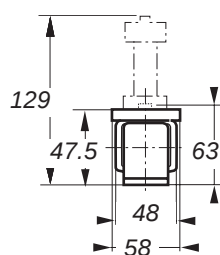
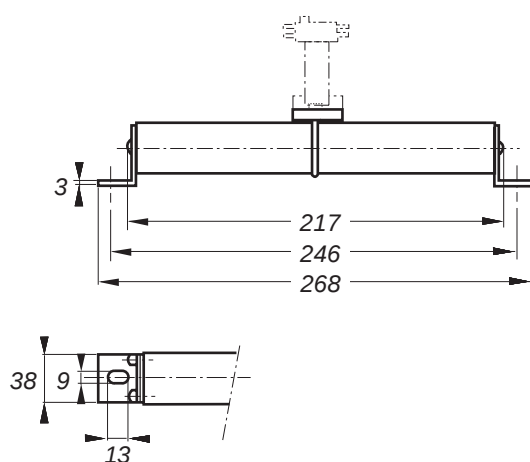


DC Square-body Fuses Sizes 300 - 302 - 2x302 SR Brackets size 300 - 2400V DC

SRE from 20 to 180 A

Dimensions



Weight: 1150 g

Main Characteristics

Size	Current rating I_N (A)	Breaking Capacity	Watts loss $0.8 I_N$ (W)	I_N (W)	Max. I^2t @ 2000 V $L/R = 15\text{ ms}$ $L/R = 45\text{ ms}$ (A²S)		Designation	Ref. Number	Catalog Number
300	20	@ 2400 V DC 100 kA $L/R = 15\text{ ms}$	18	36	150	260	CC 24 SRE 300 QF 0020	X075299	D300SE24C20QF
	25		21	42	260	460	CC 24 SRE 300 QF 0025	W075298	D300SE24C25QF
	32		22	43	310	540	CC 24 SRE 300 QF 0032	G079471	D300SE24C32QF
	40		26	51	530	920	CC 24 SRE 300 QF 0040	H079472	D300SE24C40QF
	50		32	62	750	1300	CC 24 SRE 300 QF 0050	J079473	D300SE24C50QF
	63	@ 2000 V DC 100 kA $L/R = 45\text{ ms}$	35	69	1650	2900	CC 24 SRE 300 QF 0063	K079474	D300SE24C63QF
	80		38	75	3700	6500	CC 24 SRE 300 QF 0080	L079475	D300SE24C80QF
	100		41	80	8000	14000	CC 24 SRE 300 QF 0100	M079476	D300SE24C100QF
	125		49	95	14000	25000	CC 24 SRE 300 QF 0125	N079477	D300SE24C125QF
	160		50	96	34000	60000	CC 24 SRE 300 QF 0160	P079478	D300SE24C160QF
	180		51	98	57000	100000	CC 24 SRE 300 QF 0180	Q079479	D300SE24C180QF

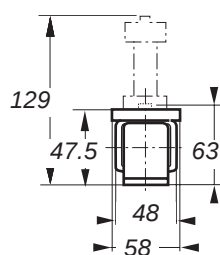
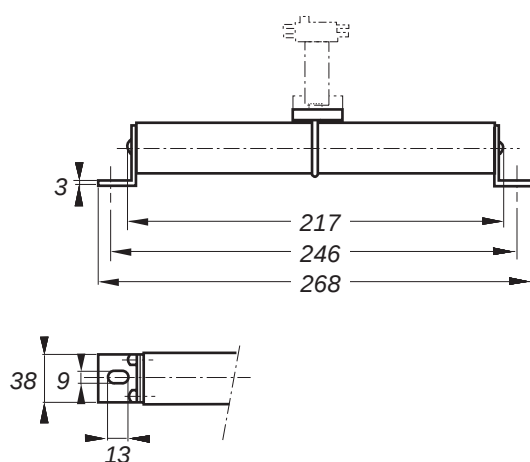
Pack: 1 piece

Microswitch MC 2R 3E 1-5N BS Ref. Number: J310025

DC Square-body Fuses Sizes 300 - 302 - 2x302 SR Brackets size 300 - 2400V DC

SRE from 20 to 180 A

Dimensions



Weight: 1150 g

Main Characteristics

Size	Current rating I_N (A)	Breaking Capacity	Watts loss $0.8 I_N$ (W)	I_N (W)	Max. I^2t @ 2000 V $L/R = 15\text{ ms}$ $L/R = 45\text{ ms}$ (A²S)		Designation	Ref. Number	Catalog Number
300	20	@ 2400 V DC 100 kA $L/R = 15\text{ ms}$	18	36	150	260	CC 24 SRE 300 QF 0020	X075299	D300SE24C20QF
	25		21	42	260	460	CC 24 SRE 300 QF 0025	W075298	D300SE24C25QF
	32		22	43	310	540	CC 24 SRE 300 QF 0032	G079471	D300SE24C32QF
	40		26	51	530	920	CC 24 SRE 300 QF 0040	H079472	D300SE24C40QF
	50		32	62	750	1300	CC 24 SRE 300 QF 0050	J079473	D300SE24C50QF
	63	@ 2000 V DC 100 kA $L/R = 45\text{ ms}$	35	69	1650	2900	CC 24 SRE 300 QF 0063	K079474	D300SE24C63QF
	80		38	75	3700	6500	CC 24 SRE 300 QF 0080	L079475	D300SE24C80QF
	100		41	80	8000	14000	CC 24 SRE 300 QF 0100	M079476	D300SE24C100QF
	125		49	95	14000	25000	CC 24 SRE 300 QF 0125	N079477	D300SE24C125QF
	160		50	96	34000	60000	CC 24 SRE 300 QF 0160	P079478	D300SE24C160QF
	180		51	98	57000	100000	CC 24 SRE 300 QF 0180	Q079479	D300SE24C180QF

Pack: 1 piece

Microswitch MC 2R 3E 1-5N BS Ref. Number: J310025

DC Square-body Fuses

Sizes 300 - 302 - 2x302

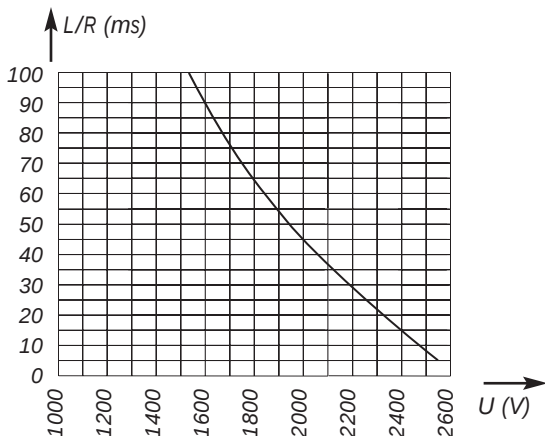
SR Brackets size 300 - 2400V DC



SRE from 20 to 180 A

Electrical characteristics

DC applications data

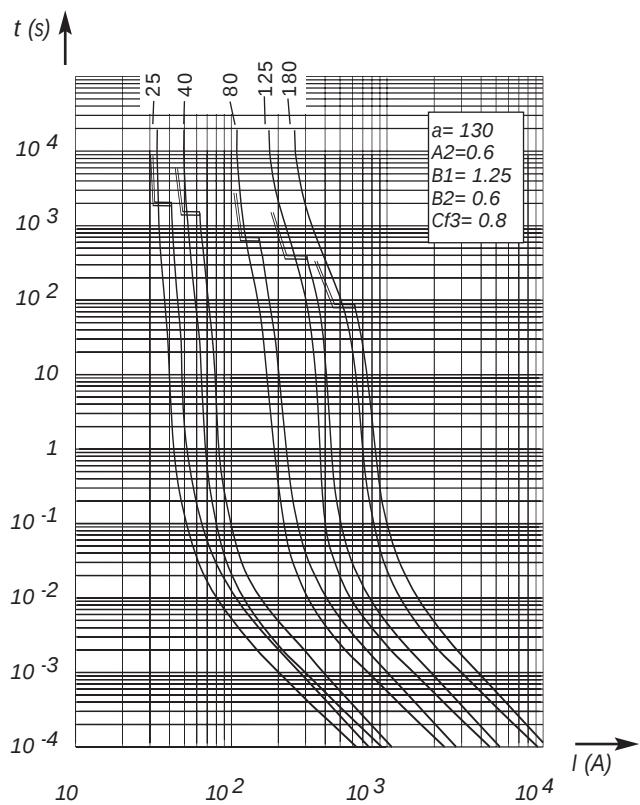
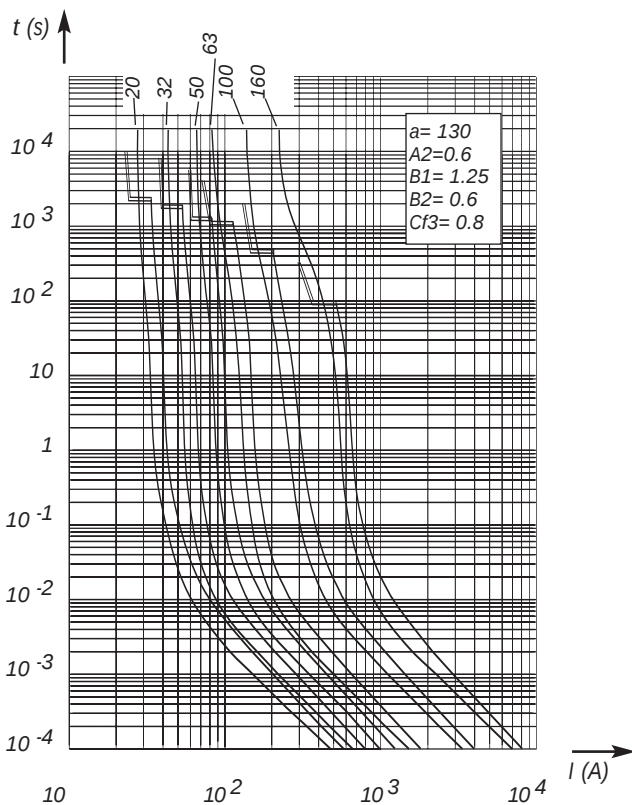


Above: Curve indicates maximum permissible value of time constant L/R as a function of DC working voltage

Max. AC voltage (50/60 Hz):

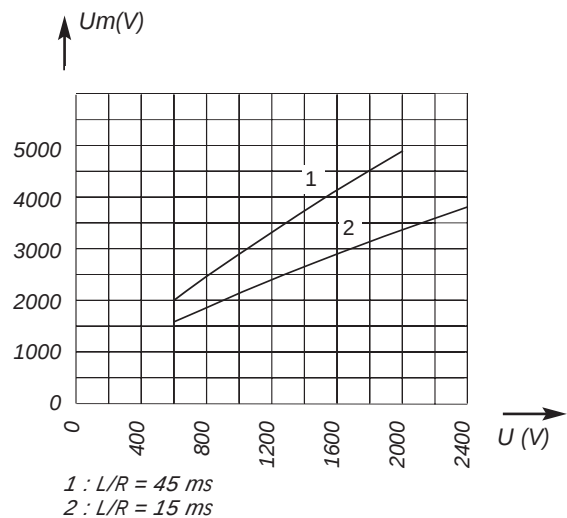
2000 V with breaking capacity of 80 kA

Time vs. current characteristics



Above: Curves indicate, for each rated current, pre-arcing time vs. R.M.S. pre-arcing current.

Peak arc voltage vs. working voltage



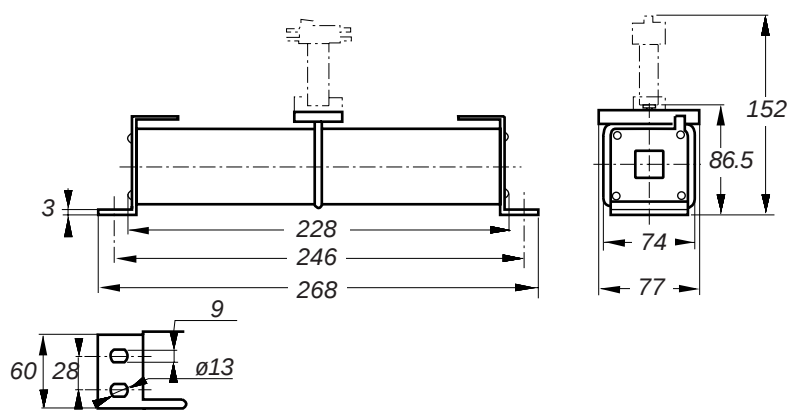
Above: Curves indicate for various time constants L/R the peak arc voltage which may appear across fuse terminals, vs. DC working voltage



DC Square-body Fuses Sizes 300 - 302 - 2x302 SR Brackets size 302 - 2400V DC

SRD - SRF from 160 to 400 A

Dimensions



Weight: 1830 g



Main Characteristics

Size	Current rating I_N (A)	Breaking Capacity	Watts loss		Max. I^2t @ 2000 V		Designation	Ref. Number	Catalog Number
			$0.8 I_N$ (W)	I_N (W)	L/R = 15 ms (A ² S)	L/R = 45 ms (A ² S)			
302	160	@ 2400 V DC	71	142	18,500	32,000	CC 24 SRD 302 QF 0160	J 076644	D302SD24C160QF
	200	100 kA	76	149	38,000	66,000	CC 24 SRD 302 QF 0200	R079480	D302SD24C200QF
	250	L/R = 15 ms	90	179	68,000	120,000	CC 24 SRD 302 QF 0250	S079481	D302SD24C250QF
	315		94	186	150,000	250,000	CC 24 SRD 302 QF 0315	T079482	D302SD24C315QF
	350	@ 2000 V DC	95	187	230,000	400,000	CC 24 SRD 302 QF 0350	V079483	D302SD24C350QF
	400	100 kA	96	188	195,000	325,000	CC 24 SRF 302 QF 0400	V075297	D302SF24C400QF
		L/R = 45 ms							

Microswitch MC 2R 3E 1-5N BS Ref. Number: J310025

Pack: 1 piece

DC Square-body Fuses

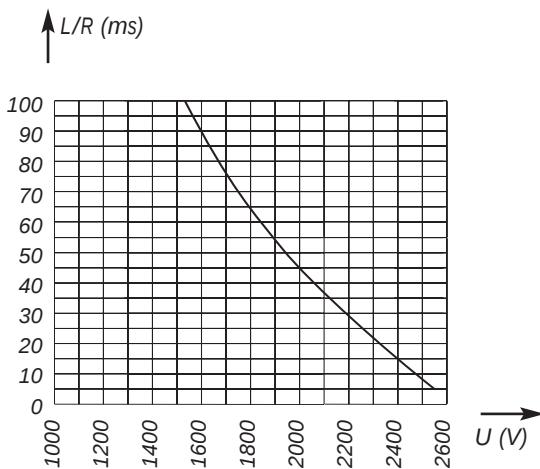
Sizes 300 - 302 - 2x302

SR Brackets size 302 - 2400V DC

SRD - SRF from 160 to 400 A

Electrical characteristics

DC applications data

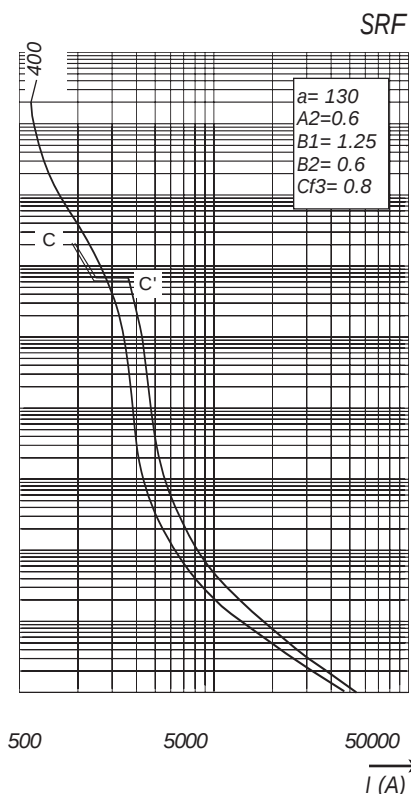
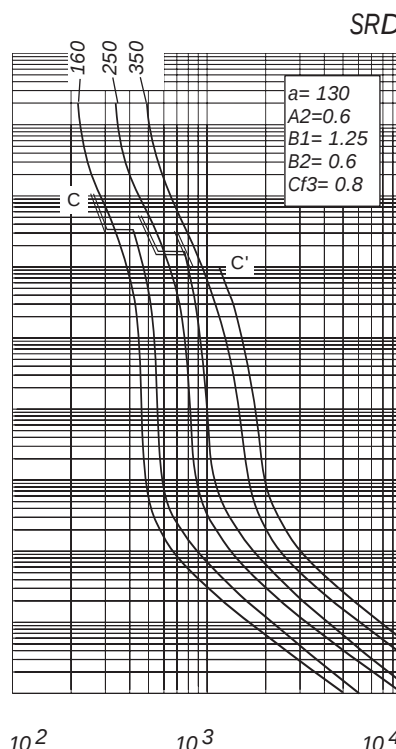
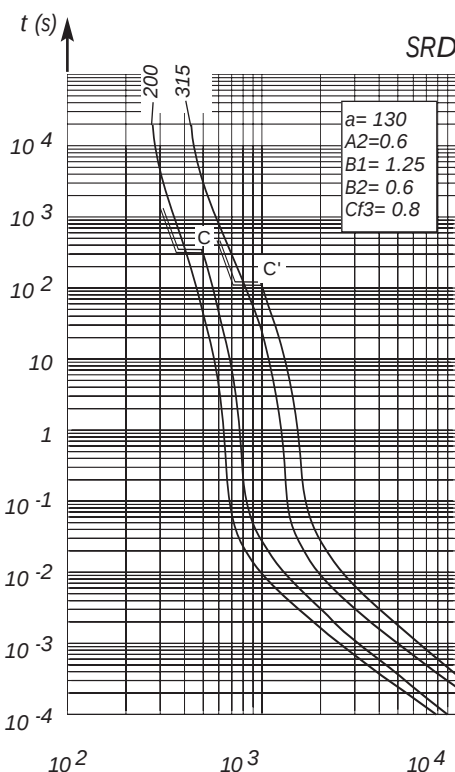


Above: Curve indicates maximum permissible value of time constant L/R as a function of DC working voltage

Max. AC voltage (50/60 Hz):

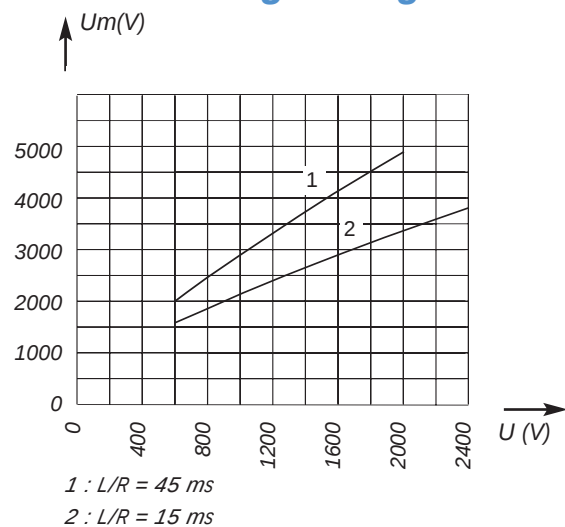
2000 V with breaking capacity of 80 kA

Time vs. current characteristics



Above: Curves indicate, for each rated current, pre-arcing time vs. R.M.S. pre-arcing current.

Peak arc voltage vs. working voltage



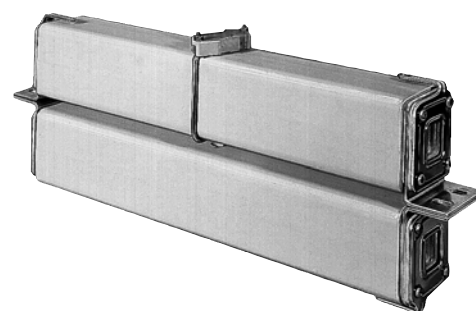
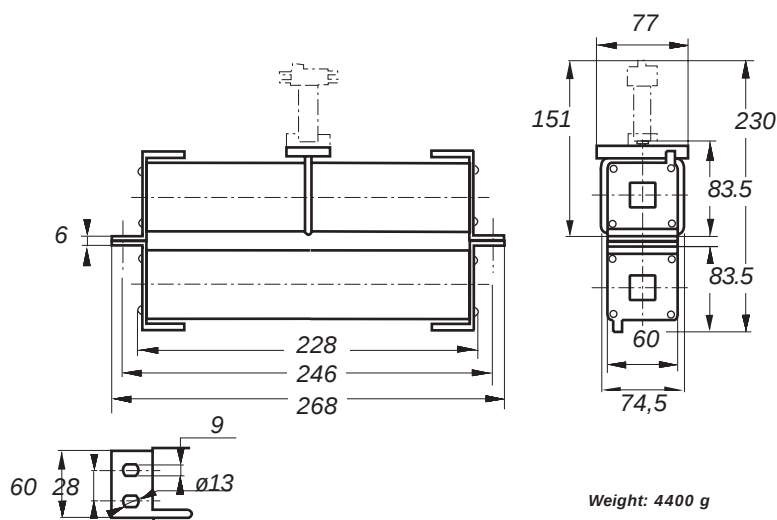
Above: Curves indicate for various time constants L/R the peak arc voltage which may appear across fuse terminals, vs. DC working voltage



DC Square-body Fuses Sizes 300 - 302 - 2x302 SR size 2x302 - 2400V DC

SRD - SRF from 400 to 800 A

Dimensions



Main Characteristics

Size	Current rating I_N (A)	Breaking Capacity	Watts loss		Max. I^2t @ 2000 V		Designation	Ref. Number	Catalog Number
			$0.8 I_N$ (W)	I_N (W)	L/R = 15 ms (A ² S)	L/R = 45 ms (A ² S)			
2x302	400	@ 2400 V DC	160	313	155,000	265,000	CC 24 SRD 2302 QF 400	K084925	D2302SD24C400QF
	500	100 kA	189	376	275,000	480,000	CC 24 SRD 2302 QF 500	L084926	D2302SD24C500QF
	630	L/R = 15 ms	197	390	600,000	10^6	CC 24 SRD 2302 QF 630	M084927	D2302SD24C630QF
	700	@ 2000 V DC	200	393	920,000	$1.6 \cdot 10^6$	CC 24 SRD 2302 QF 700	N084928	D2302SD24C700QF
	800	100 kA L/R = 45 ms	205	395	780,000	$1.3 \cdot 10^6$	CC 24 SRF 2302 QF 800	T075296	D2302SF24C800QF

Microswitch MC 2R 3E 1-5N BS Ref. Number: J310025

Pack: 1 piece

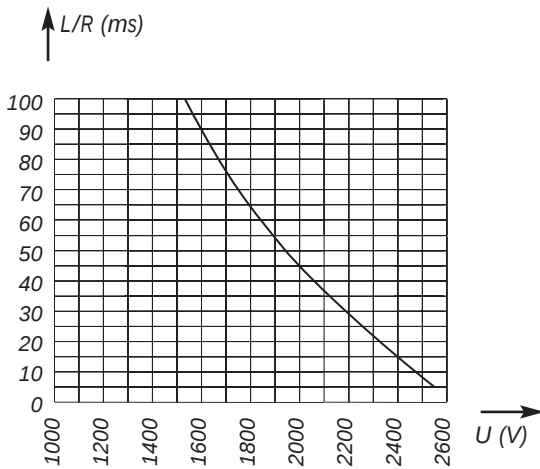
DC Square-body Fuses Sizes 300 - 302 - 2x302 SR size 2x302 - 2400V DC



SRD - SRF from 400 to 800 A

Electrical characteristics

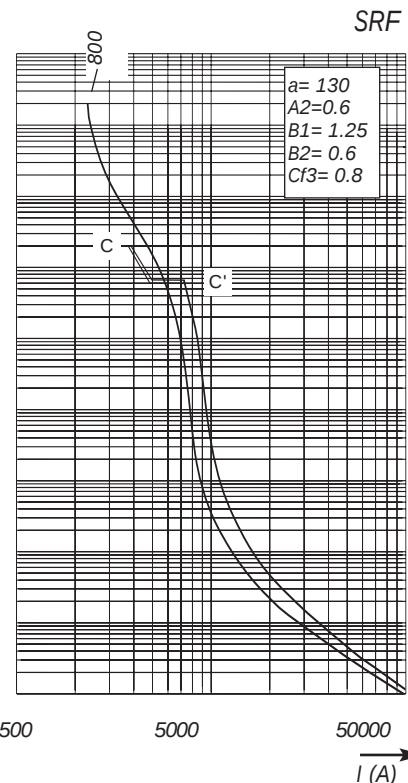
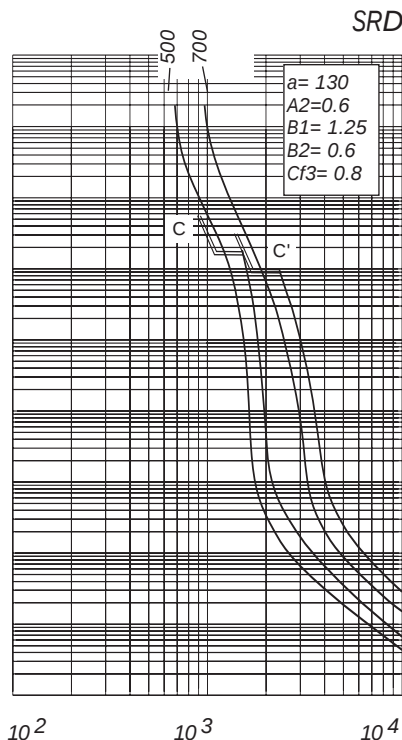
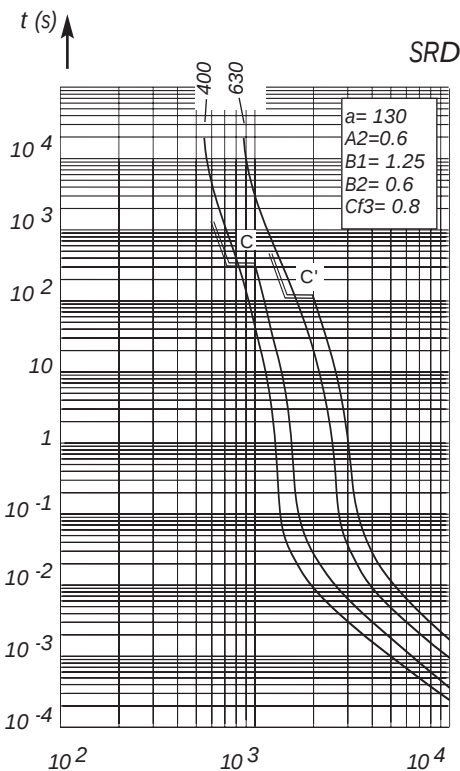
DC applications data



Above: Curve indicates maximum permissible value of time constant L/R as a function of DC working voltage

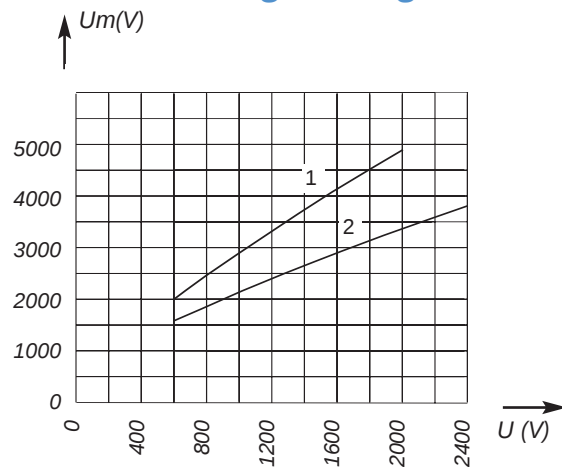
Max. AC voltage (50/60 Hz):
2000 V with breaking capacity of 80 kA

Time vs. current characteristics



Above: Curves indicate, for each rated current, pre-arcing time vs. R.M.S. pre-arcing current.

Peak arc voltage vs. working voltage



1 : $L/R = 45 \text{ ms}$

2 : $L/R = 15 \text{ ms}$

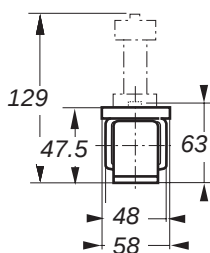
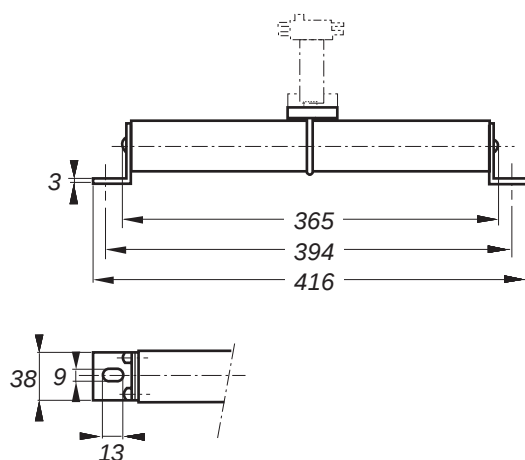
Above: Curves indicate for various time constants L/R the peak arc voltage which may appear across fuse terminals, vs. DC working voltage



DC Square-body Fuses Sizes 600 - 602 - 2x602 gR Brackets size 600 - 3500 to 4000 V DC

gRB-gRD from 6 to 125 A

Dimensions



Weight: 1920 g

Main Characteristics

Size	Current rating I_N (A)	Breaking Capacity	Watts loss		Designation	Ref. Number	Catalog Number
			$0.8 I_N$ (W)	I_N (W)			
600	6	@ 3500 V DC 30 kA L/R = 30 ms	5.3	9.5	CC 35 gRB 600 QF 0006	S083736	D600GB35C6QF
	8		7	12.7	CC 35 gRB 600 QF 0008	R083735	D600GB35C8QF
	10		10.2	18.5	CC 35 gRB 600 QF 0010	N089390	D600GB35C10QF
	12		11	20	CC 35 gRB 600 QF 0012	V082220	D600GB35C12QF
	16		13.1	24	CC 35 gRB 600 QF 0016	P089391	D600GB35C16QF
	20		14	25.4	CC 35 gRB 600 QF 0020	Q089392	D600GB35C20QF
	25		18	32.5	CC 35 gRB 600 QF 0025	R089393	D600GB35C25QF
	32	@ 4000 V DC 30 kA L/R = 30 ms	25.5	46	CC 40 gRB 600 QF 0032	A086963	D600GB40C32QF
	40		35	63	CC 40 gRB 600 QF 0040	B086964	D600GB40C40QF
	50		29	52	CC 40 gRB 600 QF 0050	C086965	D600GB40C50QF
	63		42	76.5	CC 40 gRB 600 QF 0063	D086966	D600GB40C63QF
	80		51	92	CC 40 gRB 600 QF 0080	E086967	D600GB40C80QF
	80	@ 4000 V DC 30 kA L/R = 15 ms	39	67	CC 40 gRD 600 QF 0080	B075763	D600GD40C80QF
	100		50.5	88	CC 40 gRD 600 QF 0100	C075764	D600GD40C100QF
	125		63	110	CC 40 gRD 600 QF 0125	D075765	D600GD40C125QF

Pack: 1 piece

Microswitch MC 2R 3E 1-5NBS Ref. Number: J310025

DC Square-body Fuses

Sizes 600 - 602 - 2x602

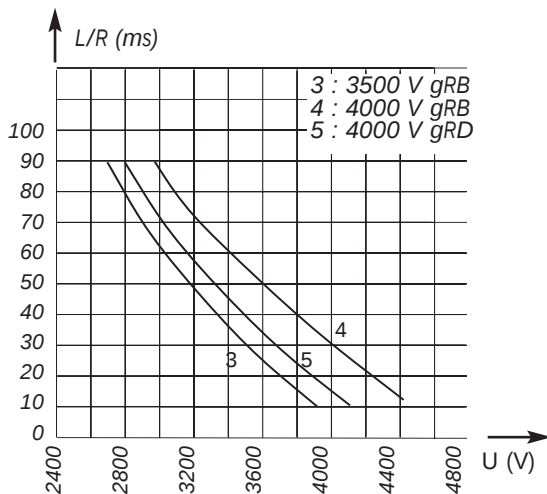
gR Brackets size 600 - 3500 to 4000 V DC



gRB-gRD from 6 to 125 A

Electrical characteristics

DC applications data

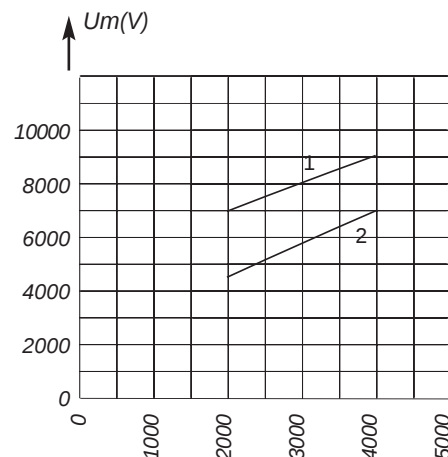


Above: Curves indicate maximum permissible value of time constant L/R as a function of DC working voltage

Max. AC voltage (50/60 Hz):

3600 V with breaking capacity of 30 kA

Peak arc voltage vs. working voltage

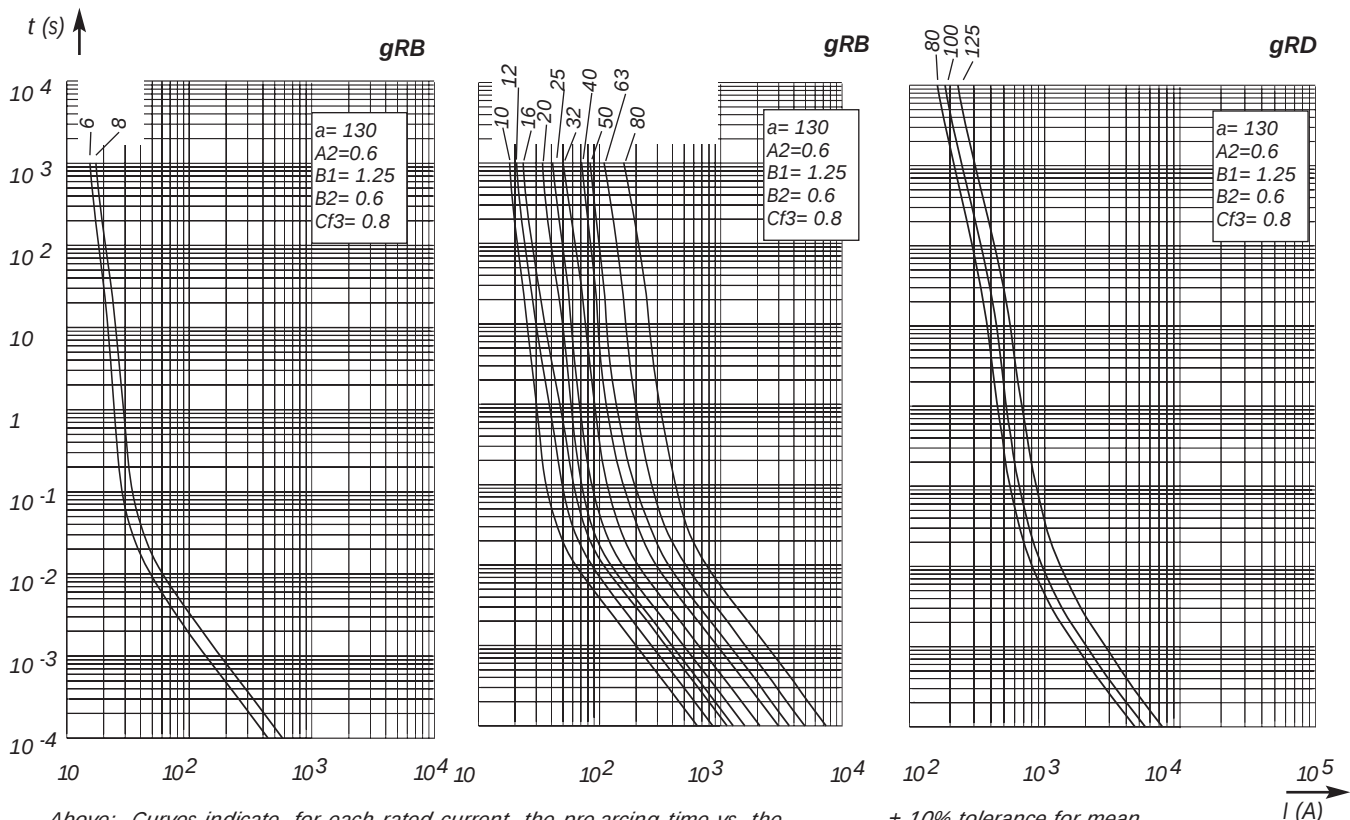


1: $L/R = 30$ ms-3500-4000 V gRB

2: $L/R = 15$ ms 4000 V gRD

Above: Curves indicate for various time constants L/R the peak arc voltage which may appear across fuse terminals, vs. DC working voltage

Time vs. current characteristics



Above: Curves indicate, for each rated current, the pre-arcing time vs. the R.M.S. pre-arcing current.

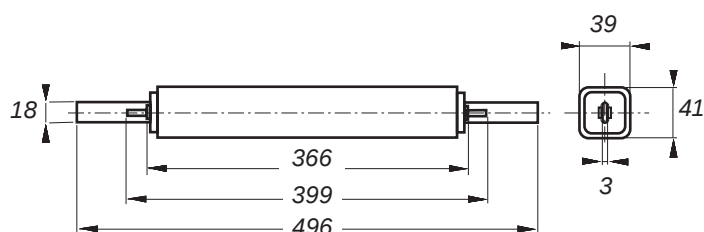
$\pm 10\%$ tolerance for mean pre-arcing current



DC Square-body Fuses Sizes 600 - 602 - 2x602 gR Blades size 600 - 3500 to 4000 V DC

gRB from 10 to 80 A

Dimensions



Weight: 1424 g

Main Characteristics

Size	Current rating I_N (A)	Breaking Capacity	Watts loss		Designation	Ref. Number	Catalog Number
			$0.8 I_N$ (W)	I_N (W)			
600	10	@ 3500 V DC 30 kA L/R = 30 ms	10.2	18.5	CC 35000 CV3 gRB 600 PSP 10	K088145	D 600 GB 35 C10 P
	12		11	20	CC 35000 CV3 gRB 600 PSP 12	T081023	D 600 GB 35 C12 P
	16		13.1	24	CC 35000 CV3 gRB 600 PSP 16	D086989	D 600 GB 35 C16 P
	20		14	25.4	CC 35000 CV3 gRB 600 PSP 20	N087481	D 600 GB 35 C20 P
	25		18	32.5	CC 35000 CV3 gRB 600 PSP 25	E086783	D 600 GB 35 C25 P
	32	@ 4000 V DC 30 kA L/R = 30 ms	25.5	46	CC 40000 CV3 gRB 600 PSP 32	A086986	D 600 GB 40 C32 P
	40		35	63	CC 40000 CV3 gRB 600 PSP 40	Z086985	D 600 GB 40 C40 P
	50		29	52	CC 40000 CV3 gRB 600 PSP 50	Y086984	D 600 GB 40 C50 P
	63		42	76.5	CC 40000 CV3 gRB 600 PSP 63	X086983	D 600 GB 40 C63 P
	80		51	92	CC 40000 CV3 gRB 600 PSP 80	W086982	D 600 GB 40 C80 P

Pack: 1 piece



DC Square-body Fuses

Sizes 600 - 602 - 2x602

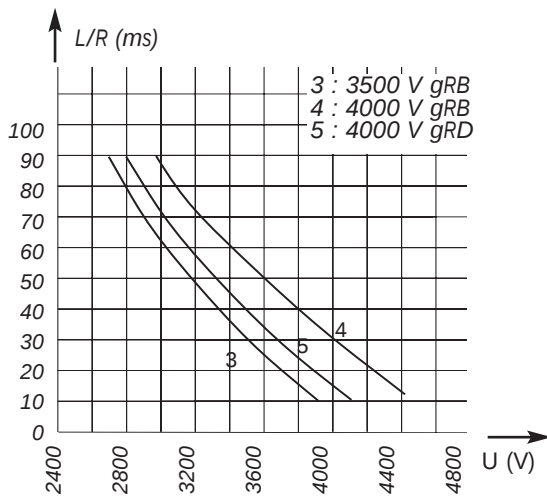
gR Blades size 600 - 3500 to 4000 V DC



gRB-gRD from 10 to 80 A

Electrical characteristics

DC applications data

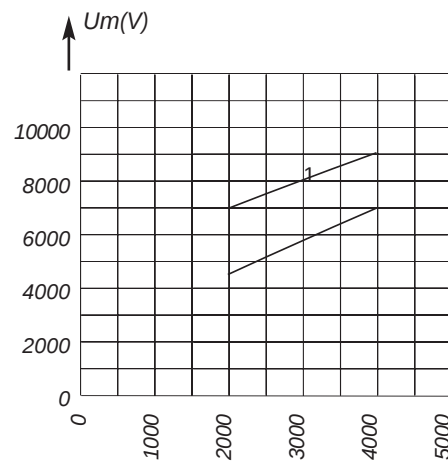


Above: Curves indicate maximum permissible value of time constant L/R as a function of DC working voltage

Max. AC voltage (50/60 Hz):

3600 V with breaking capacity of 30 kA

Peak arc voltage vs. working voltage

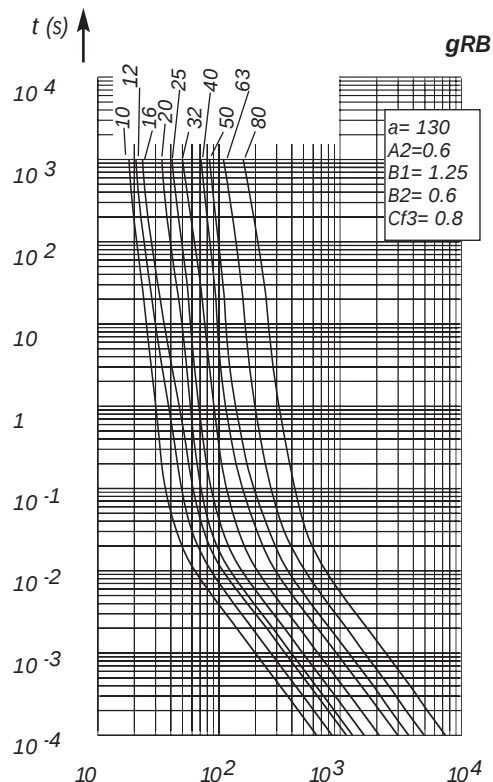


1: $L/R = 30$ ms-3500-4000 V gRB

2: $L/R = 15$ ms 4000 V gRD

Above: Curves indicate for various time constants L/R the peak arc voltage which may appear across fuse terminals, vs. DC working voltage

Time vs. current characteristics



$\pm 8\%$ tolerance for mean pre-arcing current

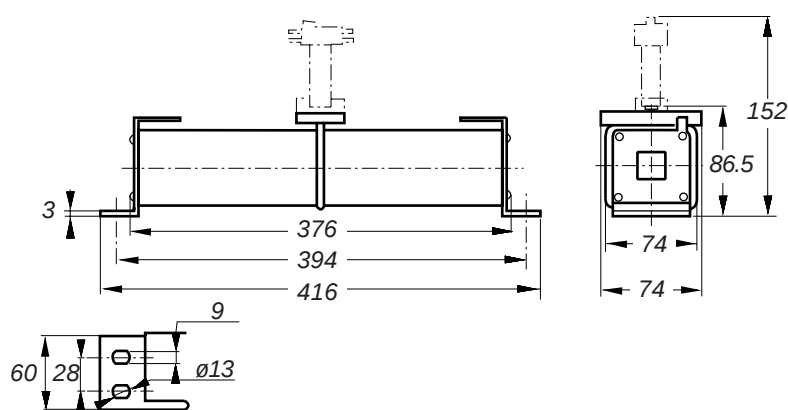
Above: Curves indicate, for each rated current, the pre-arcing time vs. the R.M.S. pre-arcing current.



DC Square-body Fuses Sizes 600 - 602 - 2x602 gR Brackets size 602 - 4000 V DC

gRB-gRD from 100 to 280 A

Dimensions



Weight: 3,600 g



Main Characteristics

Size	Current rating I_N (A)	Breaking Capacity	Watts loss		Designation	Ref. Number	Catalog Number
			$0.8 I_N$ (W)	I_N (W)			
602	100	@ 4000 V DC	55.6	100.8	CC 40 gRB 602 QF 0100	V086958	D602GB40C100QF
	125	30 kA	72.4	131.1	CC 40 gRB 602 QF 0125	W086959	D602GB40C125QF
	160	L/R = 30 ms	84.8	153.6	CC 40 gRB 602 QF 0160	X086960	D602GB40C160QF
	160	@ 4000 V DC	58	101	CC 40 gRD 602 QF 0160	E075766	D602GD40C160QF
	200	30 kA	76.5	141	CC 40 gRD 602 QF 0200	F075767	D602GD40C200QF
	250	L/R = 15 ms	95	174	CC 40 gRD 602 QF 0250	G075768	D602GD40C250QF
	280		108	198	CC 40 gRD 602 QF 0280	H075769	D602GD40C280QF

Pack: 1 piece

Microswitch MC 2R 3E 1-5NBS Ref. Number: J310025

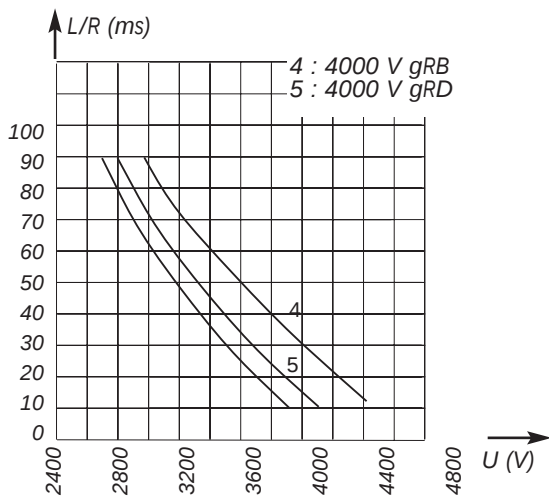
DC Square-body Fuses

Sizes 600 - 602 - 2x602

gR Brackets size 602 - 4000 V DC

gRB-gRD from 100 to 280 A

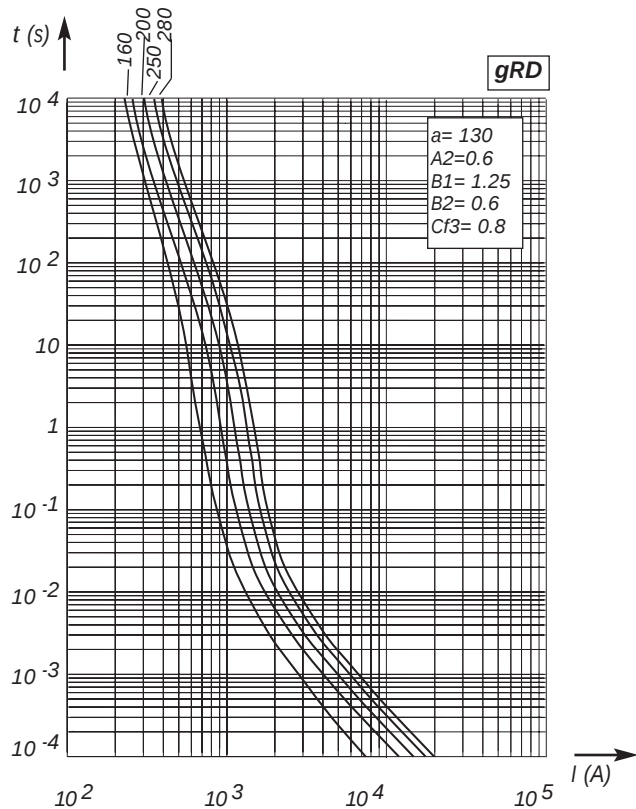
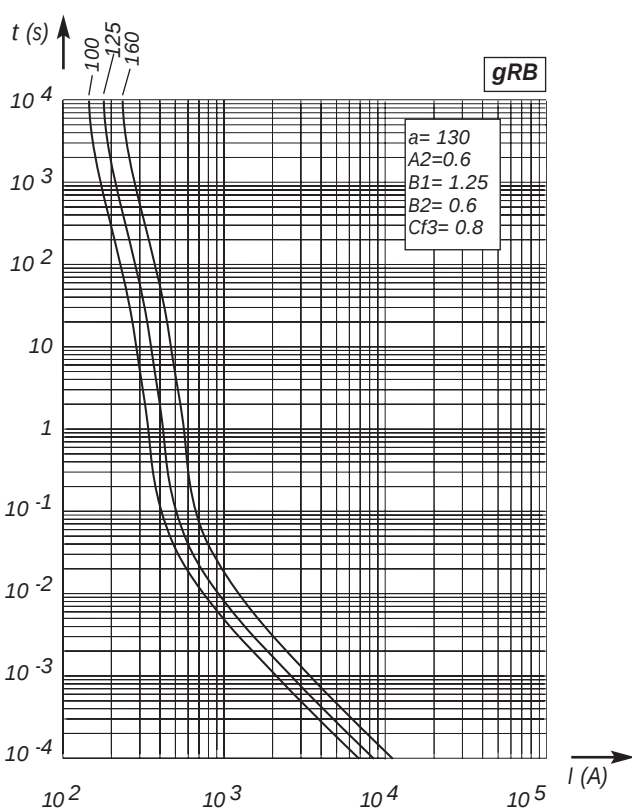
Electrical characteristics DC applications data



Above: Curves indicate maximum permissible value of time constant L/R as a function of DC working voltage

Max. AC voltage (50/60 Hz):
3600 V with breaking capacity of 30 kA

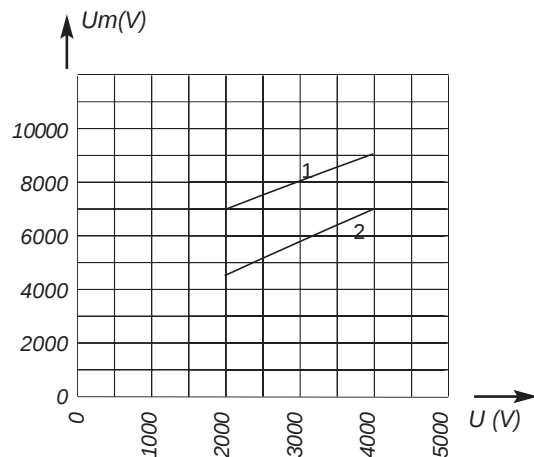
Time vs. current characteristics



Above, left and right: Curves indicate, for each rated current, pre-arcing time vs. R.M.S. pre-arcing current

$\pm 10\%$ tolerance for mean pre-arcing current

Peak arc voltage vs. working voltage



1 : $L/R = 30$ ms 4000 V gRB
2 : $L/R = 15$ ms 4000 V gRD

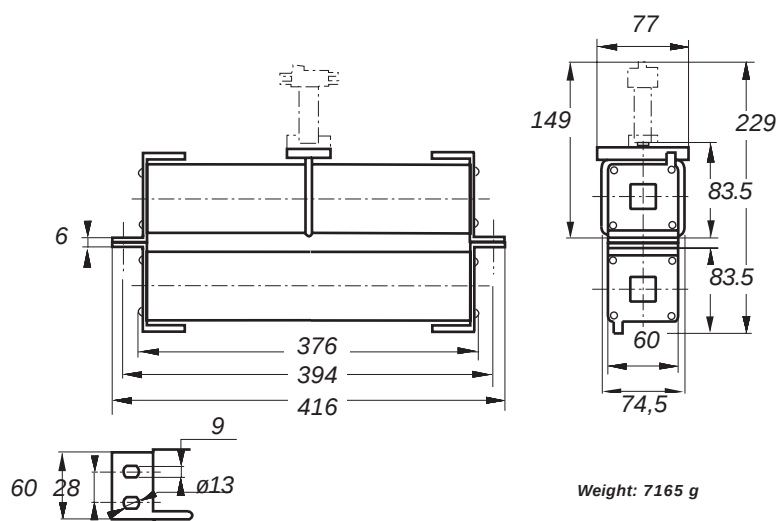
Above: Curves indicate for various time constants L/R the peak arc voltage which may appear across fuse terminals, vs. DC working voltage



DC Square-body Fuses Sizes 600 - 602 - 2x602 gR Brackets size 2x302 - 4000 V DC

gRB-gRD from 200 to 560 A

Dimensions



Main Characteristics

Size	Current rating I_N (A)	Breaking Capacity	Watts loss		Designation	Ref. Number	Catalog Number
			$0.8 I_N$ (W)	I_N (W)			
2x602	200	@ 4000 V DC 30 kA L/R = 30 ms	109	200	CC 40 gRB 2x602 QF 200M	R086955	D2602GB40C200QF
	250		138	254	CC 40 gRB 2x602 QF 250M	S086956	D2602GB40C250QF
	315	@ 4000 V DC 30 kA L/R = 15 ms	126	231	CC 40 gRD 2x602 QF 315M	J075770	D2602GD40C315QF
	400		153	282	CC 40 gRD 2x602 QF 400M	K075771	D2602GD40C400QF
	500		190	348	CC 40 gRD 2x602 QF 500M	L075772	D2602GD40C500QF
	560		216	396	CC 40 gRD 2x602 QF 560M	M075773	D2602GD40C560QF

Pack: 1 piece

Microswitch MC 2R 3E 1-5NBS Ref. Number: J310025

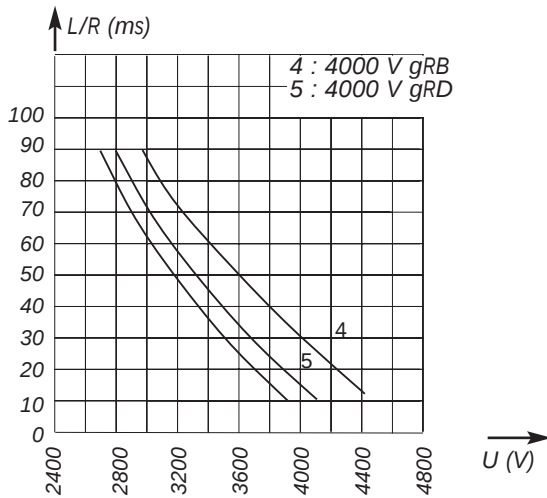
DC Square-body Fuses

Sizes 600 - 602 - 2x602

gR Brackets size 2x302 - 4000 V DC

gRB-gRD from 200 to 560 A

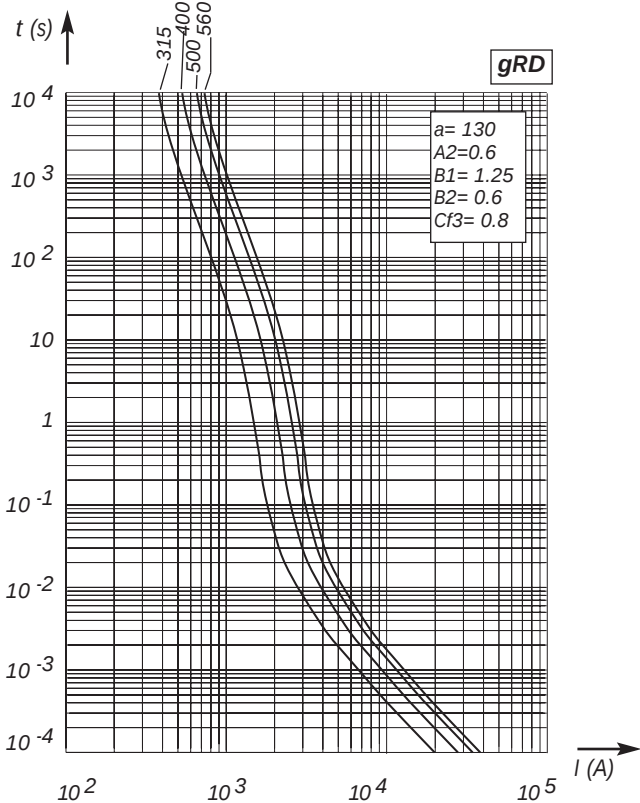
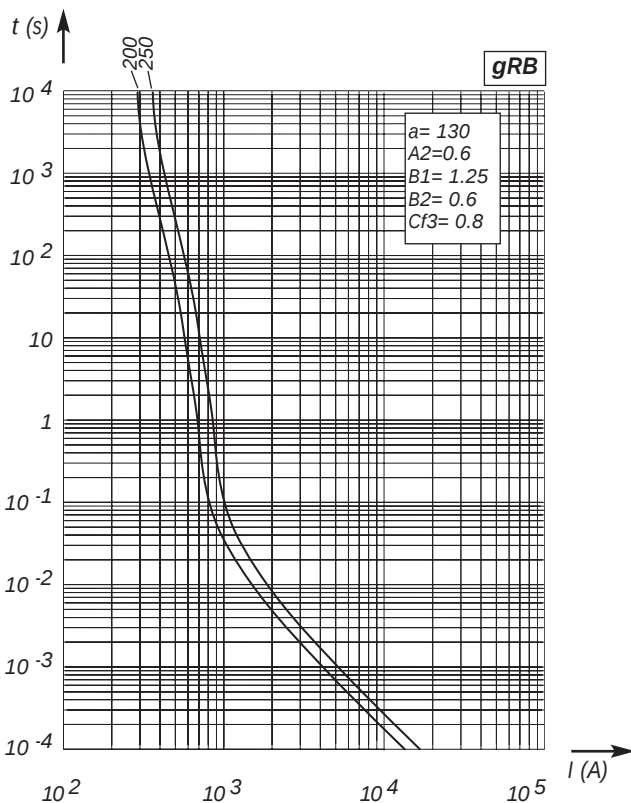
Electrical characteristics DC applications data



Above: Curves indicate maximum permissible value of time constant L/R as a function of DC working voltage

Max. AC voltage (50/60 Hz):
3600 V with breaking capacity of 30 kA

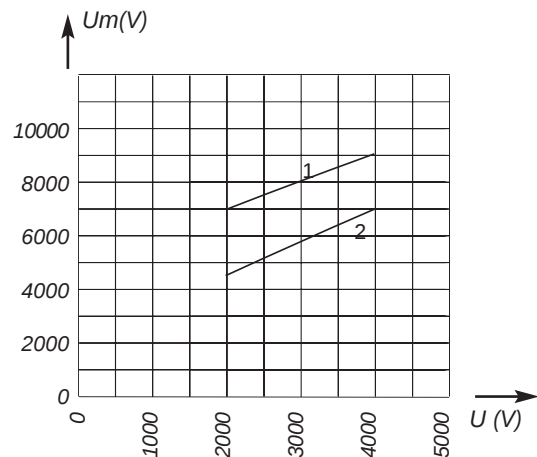
Time vs. current characteristics



Above, left and right: Curves indicate, for each rated current, pre-arcing time vs. R.M.S. pre-arcing current

± 10% tolerance for mean pre-arcing current

Peak arc voltage vs. working voltage



1 : $L/R = 30$ ms 4000 V gRB
2 : $L/R = 15$ ms 4000 V gRD

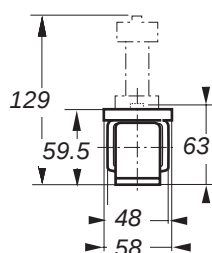
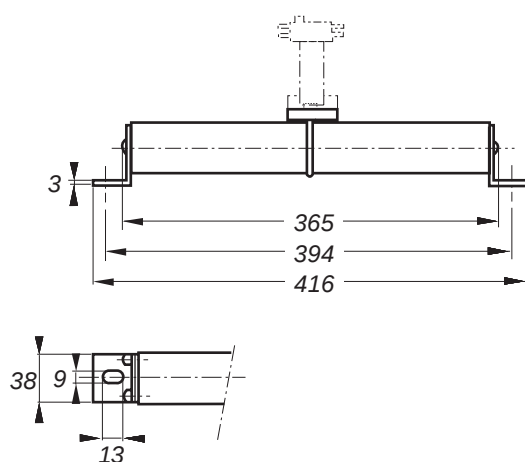
Above: Curves indicate for various time constants L/R the peak arc voltage which may appear across fuse terminals, vs. DC working voltage



DC Square-body Fuses Sizes 600 - 602 - 2x602 SR Brackets size 600 - 3500 to 4200 V DC

3500 - 4000 VDC
SRB from 10 to 32 A

Dimensions



Weight: 1920 kg

Main Characteristics

Size	Current rating I_N (A)	Breaking capacity	Watts loss		Designation	Ref. Number	Catalog Number
			$0.8 I_N$	I_N			
600	10	under 3500 V = 60 kA	5.5	12	CC 35 SRB 600 QF 0010	E089405	D600SB35C10QF
	16	L/R = 25 ms	8.2	18	CC 35 SRB 600 QF 0016	F089406	D600SB35C16QF
	20		10.5	23	CC 40 SRB 600 QF 0020	G086946	D600SB40C20QF
	25	under 4000 V: 60 kA	13.3	29	CC 40 SRB 600 QF 0025	H086947	D600SB40C25QF
	32	L/R = 25 ms	16.5	36	CC 40 SRB 600 QF 0032	J086948	D600SB40C32QF

Pack: 1 piece

Microswitch MC 2R 3E 1-5NBS Ref. Number: J310025

DC Square-body Fuses

Sizes 600 - 602 - 2x602

SR Brackets size 600 - 3500 to 4200 V DC

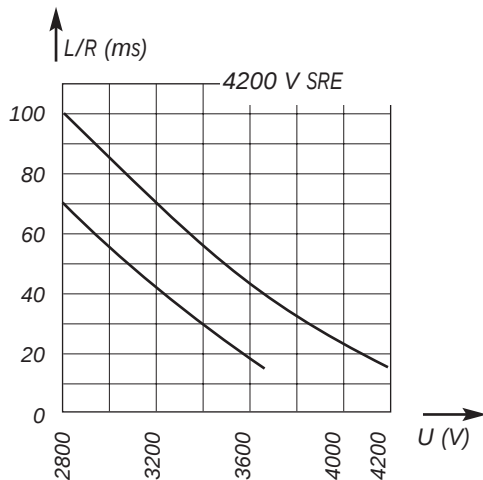


SRB from 10 to 32 A

Size 600

Electrical characteristics

DC applications data

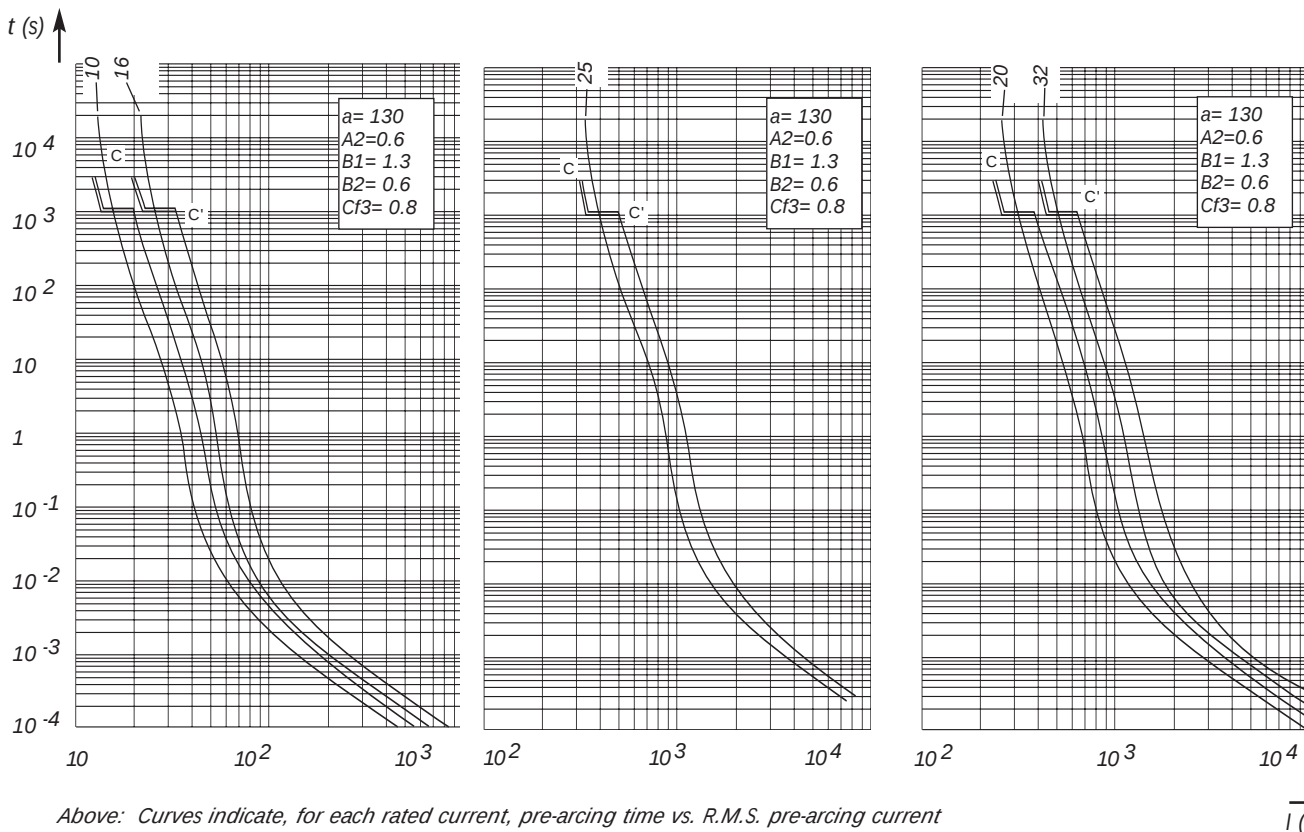


Above: Curve indicates maximum permissible value of time constant L/R as a function of DC working voltage

Max. AC voltage (50/60 Hz):

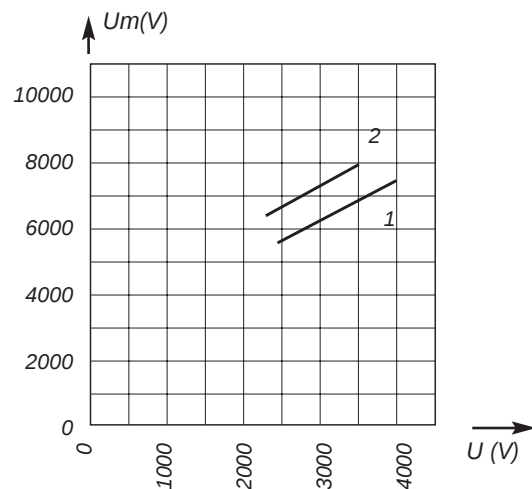
3800 V with breaking capacity of 50 kA

Time vs. current characteristics



Above: Curves indicate, for each rated current, pre-arcing time vs. R.M.S. pre-arcing current

Peak arc voltage vs. working voltage



1 : $L/R = 15 \text{ ms}$ 4200 V SRE

2 : $L/R = 45 \text{ ms}$ 4200 V SRE

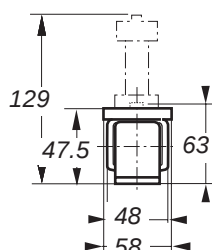
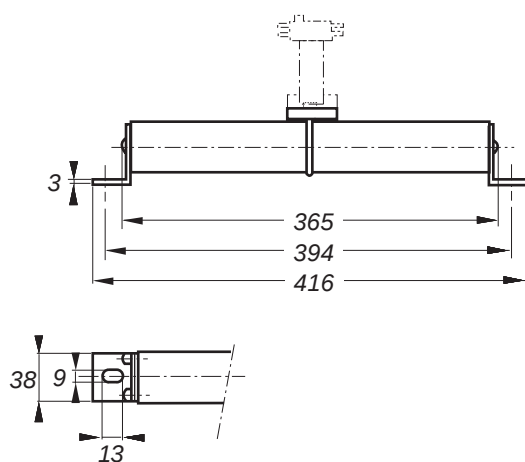
Above: Curves indicate for various time constants L/R the peak arc voltage which may appear across fuse terminals, vs. DC working voltage



DC Square-body Fuses Sizes 600 - 602 - 2x602 SR Brackets size 600 - 3500 to 4200 V DC

4000-4200 V DC
SRE from 40 to 150 A

Dimensions



Weight: 1920 g

Main Characteristics

Size	Current rating I_N (A)	Breaking Capacity	Watts loss		Max. I^2t @ 3500 V		Designation	Ref. Number	Catalog Number
			0.8 I_N (W)	I_N (W)	L/R = 15 ms (A ² S)	L/R = 45 ms (A ² S)			
600	40	@ 4000 V DC 60 kA L/R = 25 ms	50	100	480	850	CC 42 SRE 600 QF 0040	C079490	D600SE42C40QF
	50	@ 4200 V DC 60 kA L/R = 15 ms	52	103	1050	800	CC 42 SRE 600 QF 0050	D079491	D600SE42C50QF
	63		57	114	2100	3500	CC 42 SRE 600 QF 0063	E079492	D600SE42C63QF
	80		65	128	3500	6000	CC 42 SRE 600 QF 0080	F079493	D600SE42C80QF
	100		70	140	8000	13500	CC 42 SRE 600 QF 0100	G079494	D600SE42C100QF
	125		75	147	16500	28000	CC 42 SRE 600 QF 0125	H079495	D600SE42C125QF
	150		78	155	31000	55000	CC 42 SRE 600 QF 0150	V079667	D600SE42C150QF

Microswitch MC 2R 1-5NBS Ref. Number: J310025

Pack: 1 piece

DC Square-body Fuses

Sizes 600 - 602 - 2x602

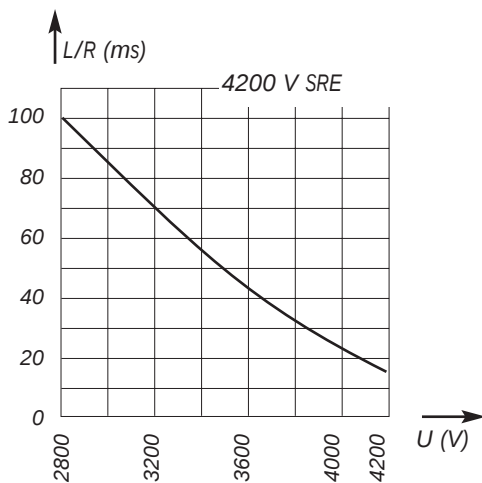
SR Brackets size 600 - 3500 to 4200 V DC

4000-4200 V DC

SRE from 40 to 150 A

Electrical characteristics

DC applications data

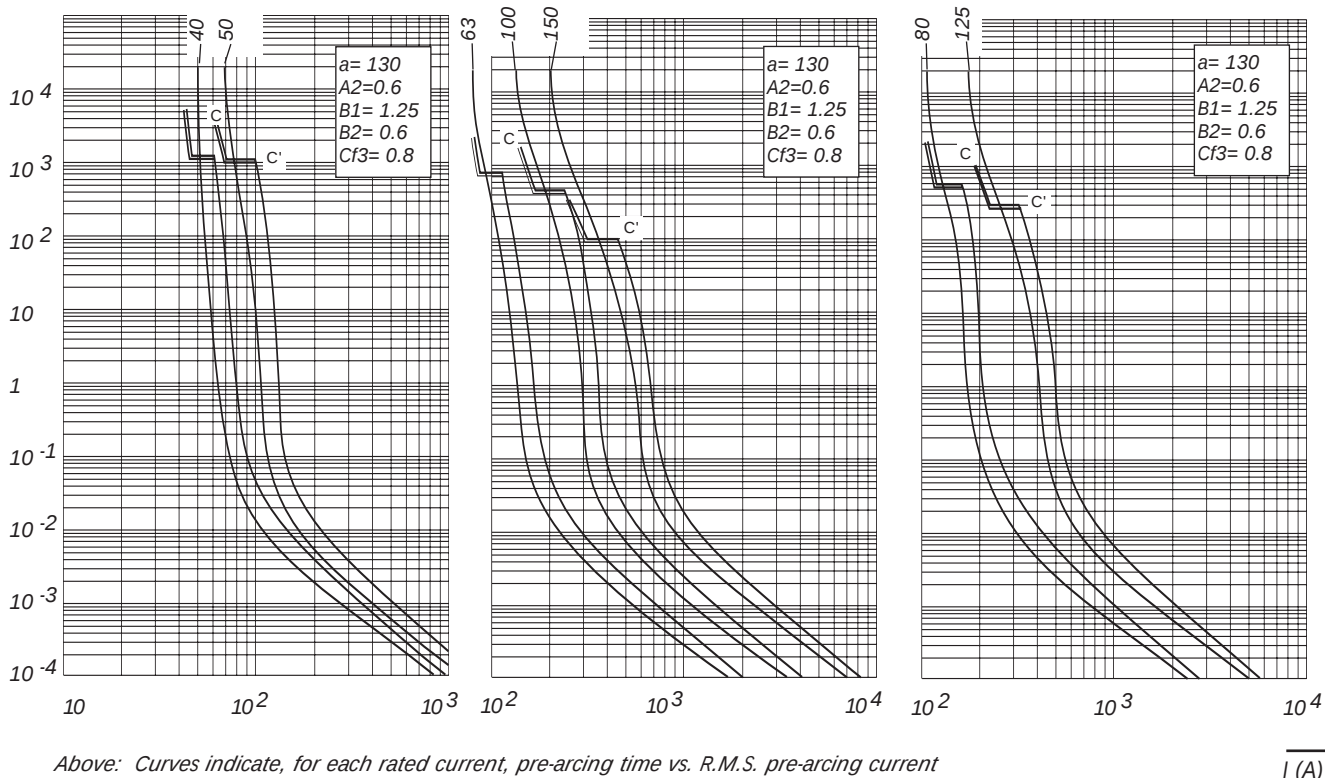


Above: Curve indicates maximum permissible value of time constant L/R as a function of DC working voltage

Max. AC voltage (50/60 Hz):

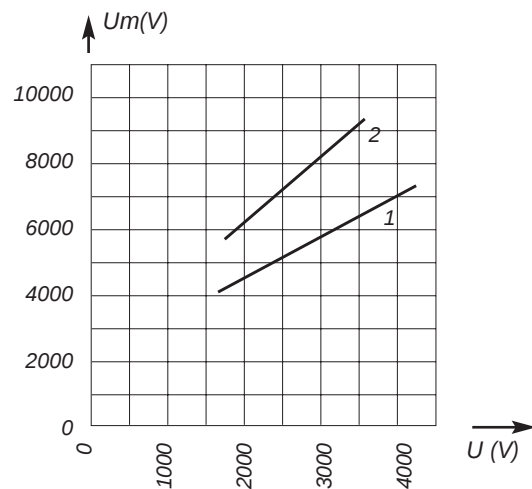
3800 V with breaking capacity of 50 kA

Time vs. current characteristics



Above: Curves indicate, for each rated current, pre-arcing time vs. R.M.S. pre-arcing current

Peak arc voltage vs. working voltage



1 : $L/R = 15$ ms 4200 V SRE

2 : $L/R = 45$ ms 4200 V SRE

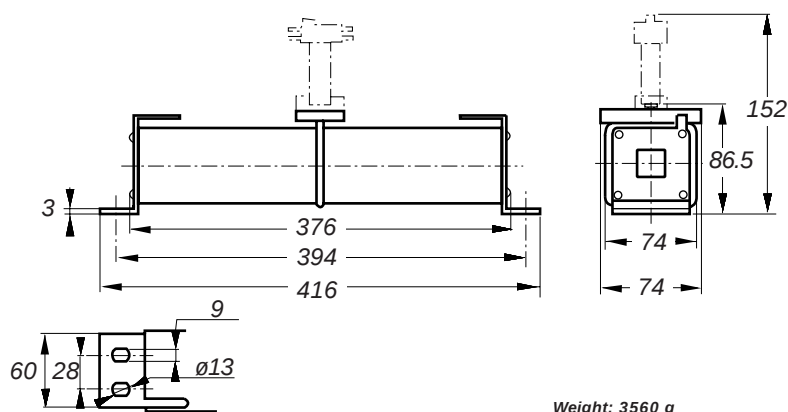
Above: Curves indicate for various time constants L/R the peak arc voltage which may appear across fuse terminals, vs. DC working voltage



DC Square-body Fuses Sizes 600 - 602 - 2x602 SR Bracket size 602 - 4200 V DC

SRF-SRH from 200 to 375 A

Dimensions



Main Characteristics

Size	Current rating I_N (A)	Breaking capacity	Watts loss		Max. I^2t @ 3500 V		Designation	Ref. Number	Catalog Number
			$0.8 I_N$ (W)	I_N (W)	L/R = 15 ms (A ² S)	L/R = 45 ms (A ² S)			
602	200	@ 4200 V DC	119	228	45000	80000	CC 42 SRF 602 QF 0200	J079496	D602SF42C200QF
	250	60 kA	122	232	100000	180000	CC 42 SRF 602 QF 0250	K079497	D602SF42C250QF
	315	L/R = 15 ms	128	245	220000	375000	CC 42 SRF 602 QF 0315	L079498	D602SF42C315QF
	375		147	280	195000	325000	CC 42 SRH 602 QF 0375	H076643	D602SH42C375QF

Pack: 1 piece

Microswitch MC 2R 3E 1-5NBS Ref. Number: J310025



DC Square-body Fuses

Sizes 600 - 602 - 2x602

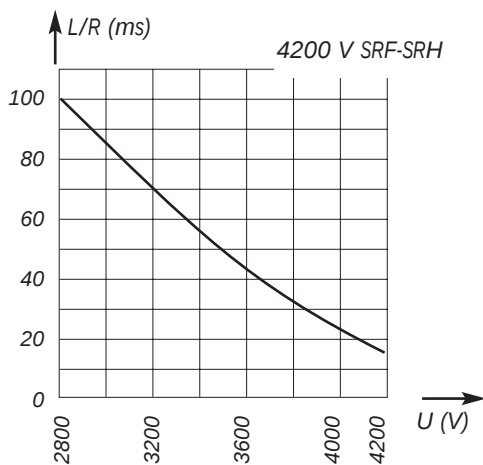
SR Bracket size 602 - 4200 V DC



SRF-SRH from 200 to 375 A

Electrical characteristics

DC applications data

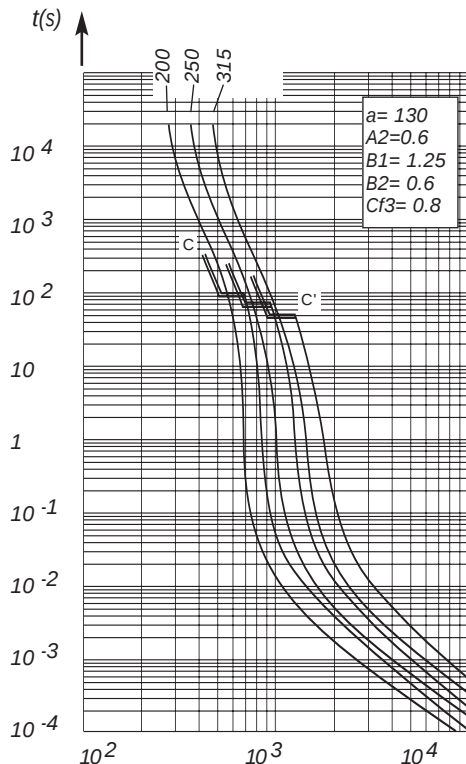


Above: Curve indicates maximum permissible value of time constant L/R as a function of DC working voltage

Max. AC voltage (50/60 Hz):

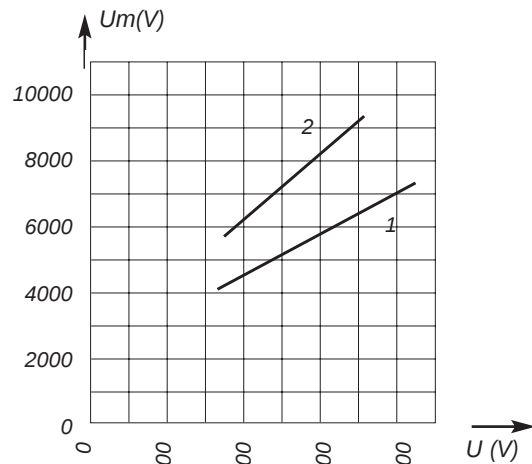
3,800 V with breaking capacity of 50 kA

Time vs. current characteristics



Above: Curves indicate, for each rated current, pre-arcing time vs. R.M.S. pre-arcing current

Peak arc voltage vs. working voltage



1 : $L/R = 15$ ms 4200 V SRF-SRH

2 : $L/R = 45$ ms 4200 V SRF-SRH

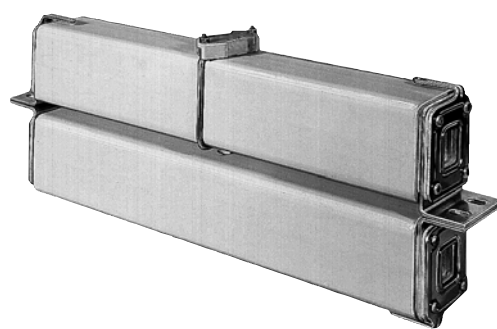
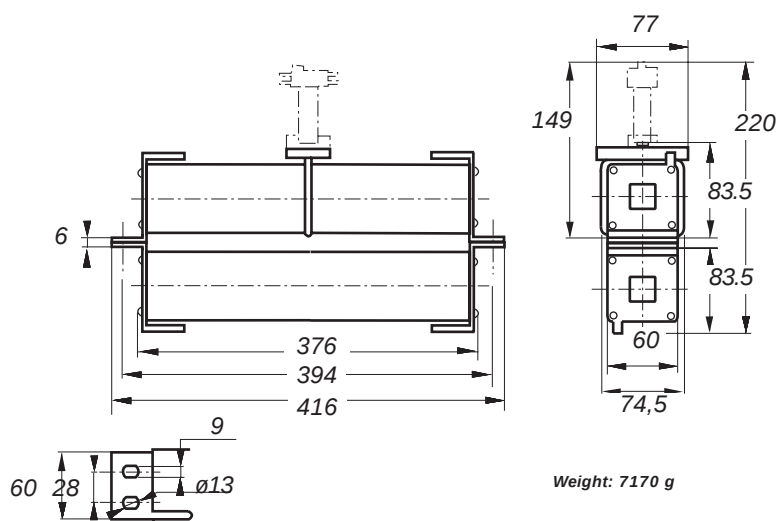
Above: Curves indicate for various time constants L/R the peak arc voltage which may appear across fuse terminals, vs. DC working voltage



DC Square-body Fuses Sizes 600 - 602 - 2x602 SR Brackets size 2x602 - 4200 V DC

SRF-SRH from 400 to 750 A

Dimensions



Main Characteristics

Size	Current rating I_N (A)	Breaking capacity	Watts loss $0.8 I_N$ (W)	I_N (W)	Max. I^2t @ 3500 V L/R = 15 ms L/R = 45 ms (A²S)		Designation	Ref. Number	Catalog Number
2x602	400	@ 4200 V DC	250	480	180000	320000	CC 42 SRF 2602 QF 400	M079499	D2602SF42C400QF
	500	60 kA	256	487	400000	720000	CC 42 SRF 2602 QF 500	N079500	D2602SF42C500QF
	630	L/R = 15 ms	270	515	880000	1500000	CC 42 SRF 2602 QF 630	H079541	D2602SF42C630QF
	750		310	590	780000	1300000	CC 42 SRH 2602 QF 750	N078143	D2602SH42C750QF

Pack: 1 piece

Microswitch MC 2R 3E 1-5NBS Ref. Number: J310025



DC Square-body Fuses

Sizes 600 - 602 - 2x602

SR Brackets size 602 - 4200 V DC

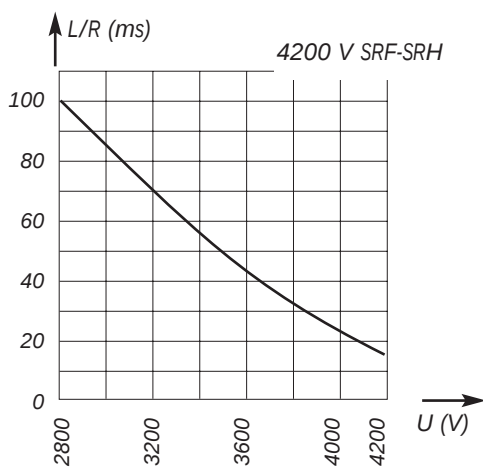


SRF-SRH from 400 to 750 A

Size 2x602

Electrical characteristics

DC applications data

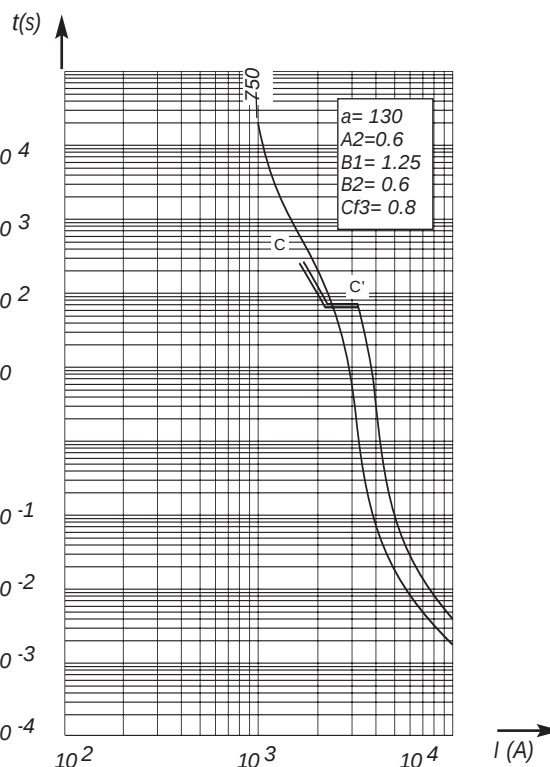
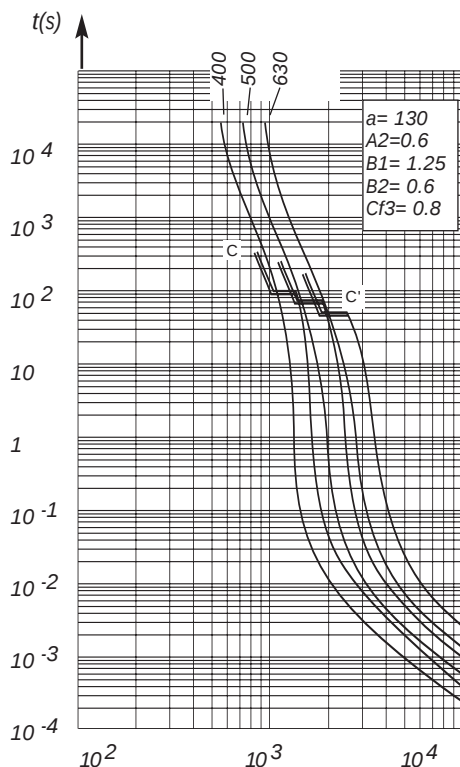


Above: Curve indicates maximum permissible value of time constant L/R as a function of DC working voltage

Max. AC voltage (50/60 Hz):

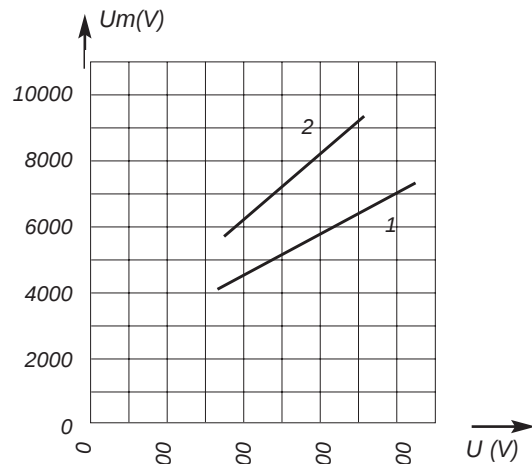
3,800 V with breaking capacity of 50 kA

Time vs. current characteristics



Above: Curves indicate, for each rated current, pre-arcing time vs. R.M.S. pre-arcing current

Peak arc voltage vs. working voltage



1 : $L/R = 15$ ms 4200 V SRF-SRH

2 : $L/R = 45$ ms 4200 V SRF-SRH

Above: Curves indicate for various time constants L/R the peak arc voltage which may appear across fuse terminals, vs. DC working voltage

DC Square-body Fuses Microswitches & metric Studs Microswitches for other square-body Protistor®

- REMOTE SIGNALING SYSTEMS FOR FITTING ON

FERRAZ SHAWMUT FUSES EQUIPED WITH MICROSWITCH SUPPORT:

All square-body sizes AC 44 / 8X / 9X / 12X / 17X / 20X / 30X

and DC 7X / 12X / 17X / 30X / 60X

- PERMANENT INDICATION OF FUSE STATE:

- CONDUCTIVE

- BLOWN

- MANUAL RESETTING

- STANDARD AND LOW ELECTRICAL LEVEL WITH DIFFERENT INSULATION LEVELS

- VAPOR AND WATER TIGHT TYPE FOR USE IN CORROSIVE ATMOSPHERE



Main Characteristics

Type	Designation	AC or DC Insulation voltage rating Ui (V)	AC voltage withstand test (*)	Impulse voltage test Uimp1,2/50 µs (**)	Positive operating min.voltage /min.current	Current rating	Interrupting rating						
							Current	Non-inductive circuit			Inductive circuit: L/R = 25ms		
								30V	110V	250V	30V	110V	250V
Standard	MC3E 1-5N	1250V	15 kV	20 kV	20 V	5 A	50/60 Hz	10 A	10 A	7 A			6 A
	MCR3E 1-5N	2200	20 kV	30 kV	50 mA		DC	5 A	0.5 A			1,6 A	0,3 A
Low level	MC3E 1-5NBS	1250 V	15 kV	20 kV	10 V 10 mA	3 A	50/60 Hz						
	MC3E 1-9NBS							3 A	3 A	3 A	2 A	1 A	1 A
	MCR3E 1-5NBS	2200 V	20 kV (1)	30 kV			DC	3 A	0.5 A	0,25A	3 A	0,2 A	0.1 A
	MCR3E 1-9NBS		23 kV (2)										
	MC2R3E 1-5NBS	6000 V	24 kV (1)	40 kV									
	MC2R3E 1-9NBS		26 kV (2) 32 kV (3)										
Watertight IP 50	MC3E 1-5NET	1250 V	11 kV	16 kV	10 V 10 mA	3 A	50 Hz		3 A	3 A		1 A	1 A
	MCR3E 1-5NET	2200 V	20 kV (1)	30 kV			DC						
	MC2R3E 1-5NET	6000 V	24 kV (2)	40 kV				0.5 A			0,2 A		

Catalog Numbering system: MC3E 1-5 single pole microswitch - MC3E 1-9 double pole microswitch - MCR, MC2R reinforced insulation microswitch.

* Between power circuit and microswitch terminals as per IEC 60 and 694 and NFC 64010 (50/60 Hz 1 min duration in dry air).

** Between power circuit and microswitch terminals Uimp: impulse voltage according to IEC 947-1.

*** Between power circuit and microswitch terminals

(1) fitting sizes 44 - 70 - 71 - 72 - 73 - 83 - 84 fuses.

(2) fitting sizes 91 - 92 - 93 - 94 -120 - 121 - 122 - 123 - 124 fuses.

(3) fitting sizes 171 - 172 - 173 - 174 - 200 - 203 - 300 - 302 - 600 - 602 fuses.

DC Square-body Fuses Microswitches & metric Studs Metric-Studs

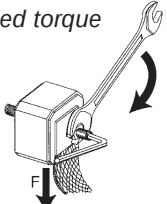
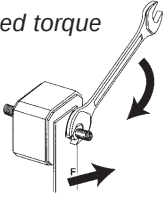
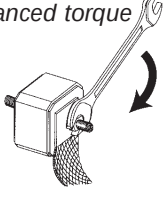
Metric studs for threaded terminal fuses



Type and fuse size	Designation	Ref. Number	Unit weight (g)	Pack.	Catalog Number
 Sizes 0 and 1 Size 2 Size 3	HC stud pair M8x30 & M8x35	S098801	23	6 pairs	STU M8x30 M8x35
	HC stud pair M10x30 & M10x50	T098802	40	6 pairs	STU M10x30 M10x50
	HC stud pair M12x35 & M12x50	V098803	60	6 pairs	STU M12x35 M12x50
 Size 2 Size 3	HC stud pair M10x50	W098804	45	6 pairs	STU M10x50
	HC stud pair M12x50	X098805	45	6 pairs	STU M12x50

We recommend the use of studs, whose quality is suited to all FERRAZ SHAWMUT square-body fuses with terminals

Stud mounting

Torque type	Stud type	Maximum stud tightening torque (Nm) (1)	Maximum nut tightening torque (Nm) (1)
Balanced torque 	M8x30 & M8x35	10	13.5
	M10x30 & M10x50	15	26
	M12x35 & M12x50	15	46
Balanced torque 	M8x30 & M8x35	10	13.5
	M10x30 & M10x50	15	26
	M12x35 & M12x50	15	46
Unbalanced torque 	M8x30 & M8x35	10	13.5
	M10x30 & M10x50	15	26
	M12x35 & M12x50	15	46

(1) Factory limit on torque at 20°C ambient: +0, -2Nm; except on 46Nm value (+0, -4Nm)