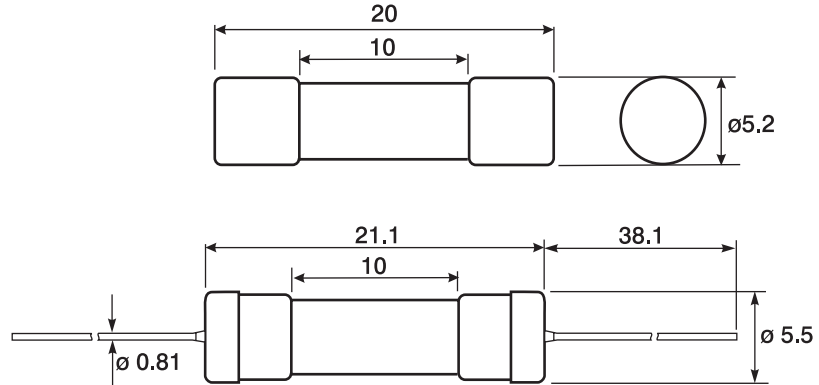


S501 (GDA and GDA-V Axial Leads)



Designed to IEC 60127-2-1

Dimensions (mm):



Order Code: S501 + Rating
 GDA + Rating (USA)
 GDA-V + Rating

Type: Fast Acting, High Breaking Capacity.

Size: 5 x 20mm

Construction: Ceramic Tube, electroplated end caps.

Ratings: 50mA to 10A

Rated Voltage: 250V ac

Packing: 10's, 100's, 1000's

Weight: 1000 = 1 kg

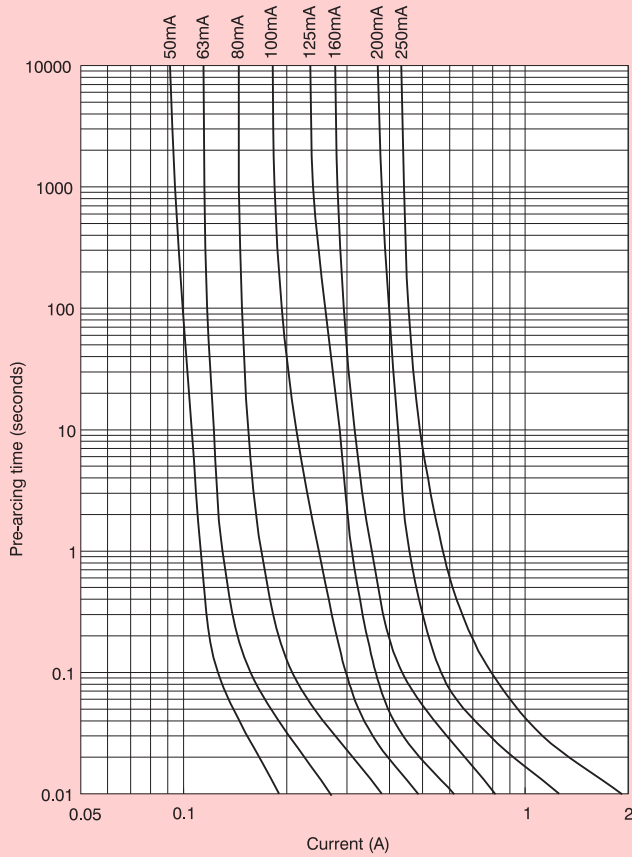
Breaking Capacity: 1500A 250V, 50Hz pf ≈ 0.7 - 0.8

Performance Data

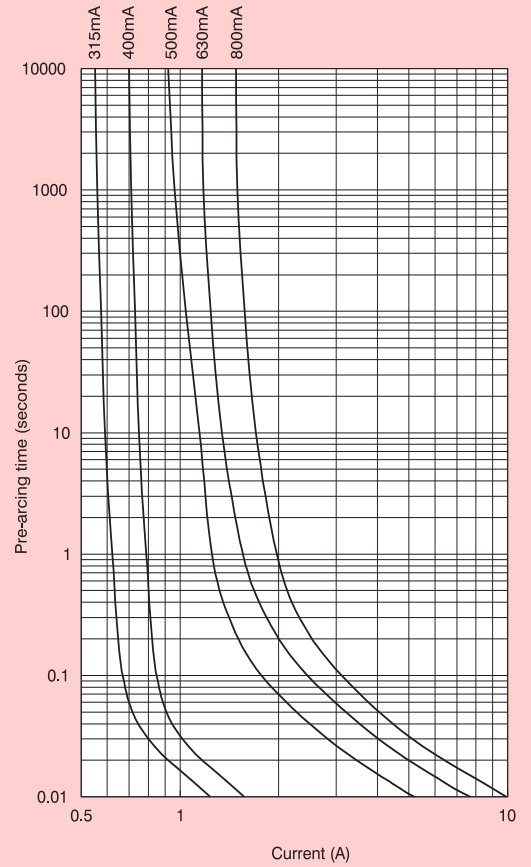
Rating	Max mV @ I _n	Max. Power Loss (W) @ 1.5 I _n	Min. Pre-arcing I ² t @ 10I _n (A ² s)	DE	S	T	UL
50mA	10000	1.2	0.000250		♦		♦
63mA	3200	0.57	0.000635				
80mA	3000	0.65	0.00146				
100mA	2600	0.65	0.00290				
125mA	2000	0.65	0.00391				
160mA	1700	0.67	0.00717		♦		
200mA	1600	0.72	0.0108				
250mA	1500	0.84	0.0356				
315mA	1500	1.2	0.0149		♦		♦
400mA	1300	1.3	0.0240		♦		♦
500mA	360	0.53	0.238		♦	♦	
630mA	340	0.67	0.456		♦		
800mA	300	0.73	0.832		♦		
1.0A	240	0.86	0.330		♦		♦
1.25A	230	1.0	0.906	♦	♦		♦
1.6A	190	1.0	1.280	♦	♦		♦
2.0A	220	1.6	1.6	♦	♦	♦	♦
2.5A	200	1.7	3.0	♦	♦	♦	♦
3.15A	170	1.8	5.56	♦	♦	♦	♦
4.0A	160	2.0	11.04	♦	♦	♦	♦
5.0A	140	2.6	20.5	♦	♦	♦	♦
6.3A	130	2.7	36.9	♦	♦	♦	♦
8.0A	130	-	64.0				
10.0A	130	-	100.0				

Time current characteristics

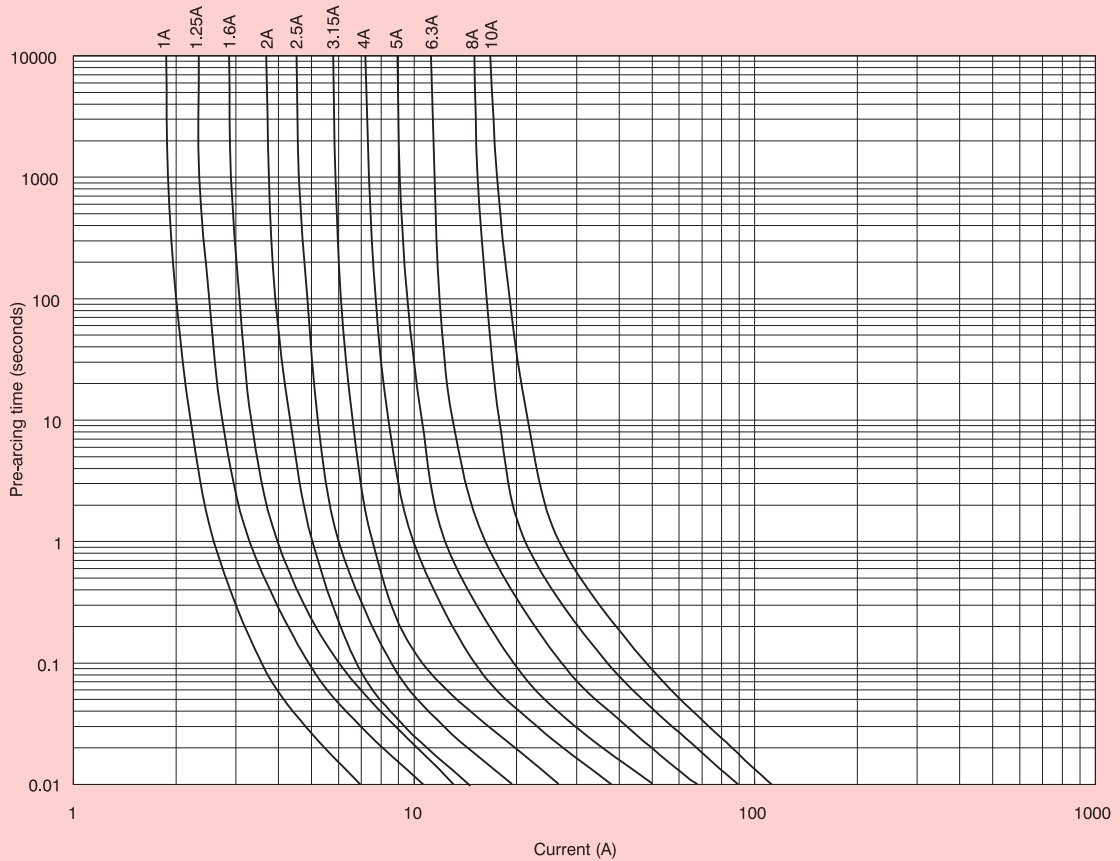
S501, GDA and GDA-V Range: 50mA to 250mA



S501, GDA and GDA-V Range: 315mA to 800mA



S501, GDA and GDA-V Range: 1A to 10A



S500 (GDB and GDB-V Axial Leads)

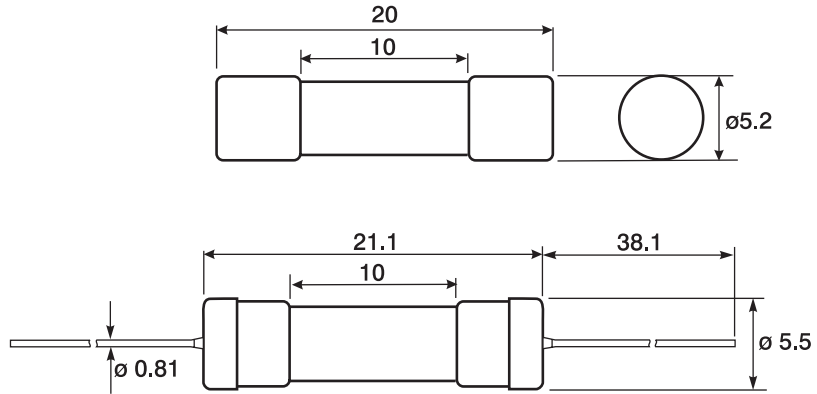


Agency Approvals:



Designed to IEC60127-2-2

Dimensions (mm):



Breaking Capacity:

32mA to 3.15A - 35A @ 250V, 50Hz pf ≈ 1.0
 4A to 10A - 10 x I_n in 250V, 50Hz pf ≈ 1.0

Order Code: S500 + Rating
 GDB + Rating (USA)
 GDB-V + Rating

Type: Fast Acting, Low Breaking Capacity.

Size: 5 x 20mm

Construction: Glass Tube, electroplated end caps.

Ratings: 32mA to 10A

Rated Voltage: 250V ac

Packing: 10's, 100's, 1000's

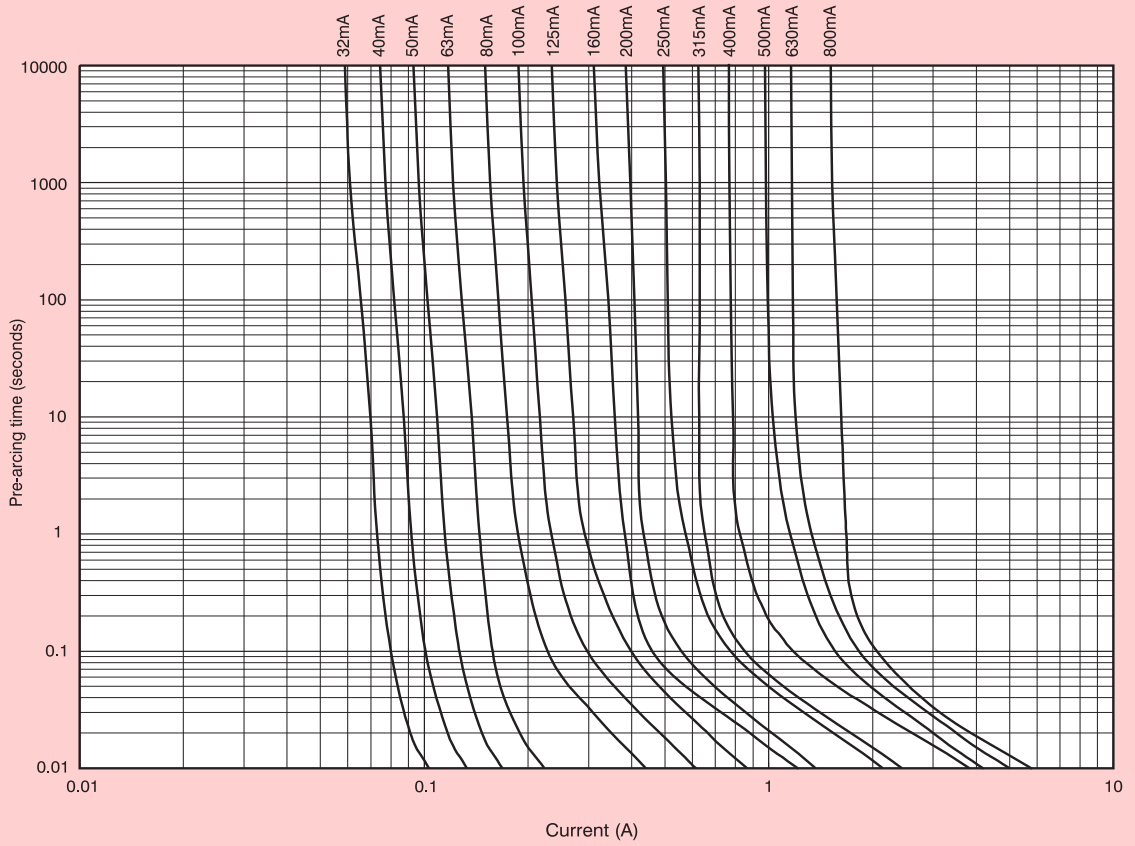
Weight: 1000 = 0.62 kg

Performance Data

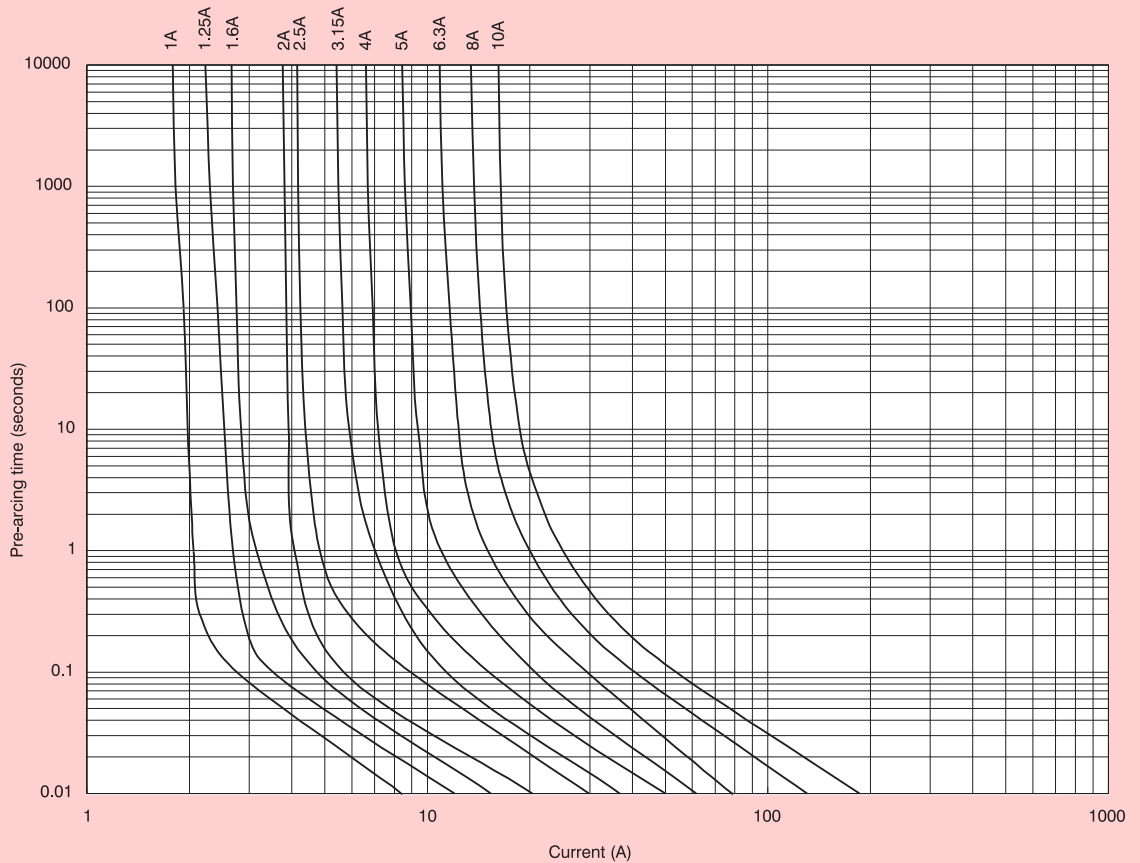
Rating	Max mV @ I _n	Max. Power Loss (W) @ 1.5 I _n	Min. Pre-arcing I ² t @ 10I _n (A ² s)					
32mA	3200	0.21	0.0000307			♦		
40mA	2500	0.21	0.000058			♦		
50mA	2400	0.25	0.000100			♦		
63mA	2000	0.26	0.000167			♦		
80mA	1200	0.27	0.000448			♦		
100mA	1100	0.30	0.00110			♦		
125mA	1000	0.35	0.00266			♦		
160mA	2000	0.79	0.00614	♦	♦	♦	♦	♦
200mA	1700	0.82	0.00640	♦	♦	♦	♦	♦
250mA	1400	0.82	0.0250	♦	♦	♦	♦	♦
315mA	1300	1.0	0.0367	♦	♦	♦	♦	♦
400mA	1100	1.0	0.0880	♦	♦	♦	♦	♦
500mA	220	0.31	0.0120	♦	♦		♦	♦
630mA	220	0.44	0.0159	♦	♦		♦	♦
800mA	190	0.46	0.0256	♦	♦	♦	♦	♦
1.0A	200	0.73	0.450	♦	♦	♦	♦	♦
1.25A	200	1.0	0.656	♦	♦	♦	♦	♦
1.6A	190	1.2	1.19	♦	♦	♦	♦	♦
2.0A	150	1.2	3.32	♦	♦	♦	♦	♦
2.5A	150	1.3	5.31	♦	♦	♦	♦	♦
3.15A	130	1.7	9.92	♦	♦	♦	♦	♦
4.0A	130	1.7	20.0	♦	♦	♦	♦	♦
5.0A	120	1.9	32.5	♦	♦	♦	♦	♦
6.3A	120	2.4	59.5	♦	♦	♦	♦	♦
8.0A	120	-	134.4					
10.0A	110	-	230.0					

Time current characteristics

S500, GDB and GDB-V Range: 32mA to 800mA



S500, GDB and GDB-V Range: 1A to 10A



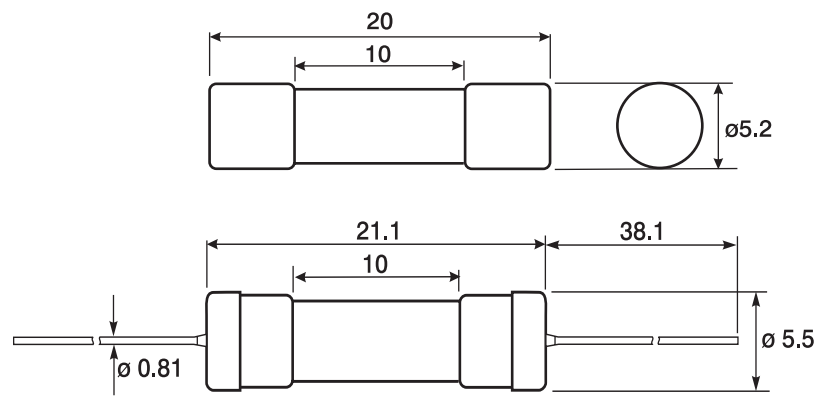
S504 and S504-V (Axial Leads) GDC and GDC-V (Axial Leads)



Agency Approvals:      

Designed to IEC60127-2-3

Dimensions (mm):



Breaking Capacity:
 32mA to 3.15A - 35A @ 250V ac 50Hz pf ≈ 1.0
 4A to 6.3A - 250V ac, 50Hz pf ≈ 1.0

Order Code: S504 + Rating
 S504-V + Rating
 GDC + Rating (USA)
 GDC-V + Rating (USA)

Type: Time-delay, Low Breaking Capacity.

Size: 5 x 20mm

Construction: Glass tube, electroplated brass end caps.







Ratings: 32mA to 6.3A (S504)
 32mA to 400mA (GDC)

Rated Voltage: 250V ac

Packing: 10's, 100's, 1000's

Weight: 1000 = 0.785kgs

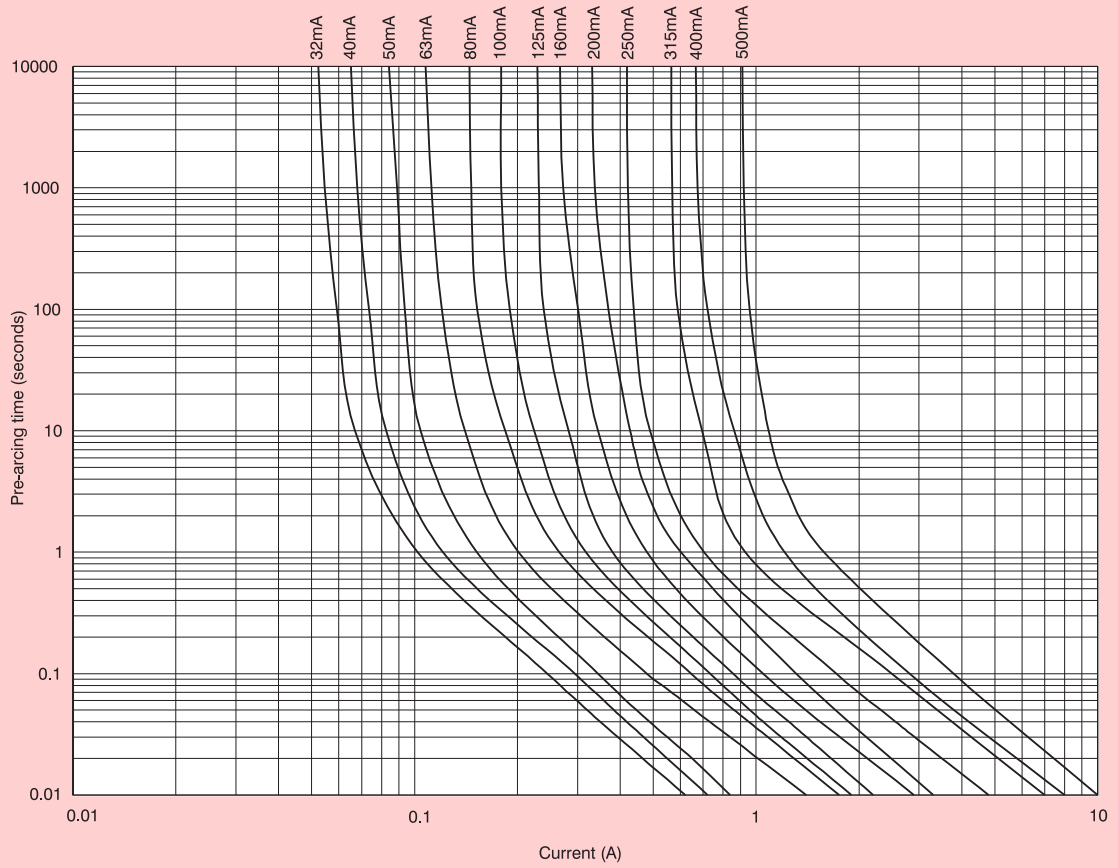
Performance Data

Rating	Max mV @I _n	Max. Power Loss (W) @ 1.5 I _n	Min. Pre-arcing I ² t @ 10I _n (A ² s)						
32mA	1100	0.14	0.0038	♦	♦	♦	♦	♦	
40mA	960	0.17	0.0054	♦	♦	♦	♦	♦	
50mA	860	0.17	0.0072	♦	♦	♦	♦	♦	
63mA	800	0.17	0.017	♦	♦	♦	♦	♦	
80mA	610	0.18	0.030	♦	♦	♦	♦	♦	
100mA	520	0.18	0.035	♦	♦	♦	♦	♦	
125mA	420	0.18	0.050	♦	♦	♦	♦	♦	
160mA	340	0.21	0.076	♦	♦	♦	♦	♦	
200mA	360	0.33	0.10	♦	♦	♦	♦	♦	
250mA	290	0.33	0.20	♦	♦	♦	♦	♦	
315mA	270	0.33	0.53	♦	♦	♦	♦	♦	
400mA	230	0.33	0.80	♦	♦	♦	♦	♦	
500mA	200	0.36	1.2	♦	♦	♦	♦	♦	
630mA	180	0.36	1.7	♦	♦	♦	♦	♦	
800mA	180	0.55	3.7	♦	♦	♦	♦	♦	
1.0A	140	0.55	4.7	♦	♦	♦	♦	♦	♦
1.25A	120	0.55	6.8	♦	♦	♦	♦	♦	♦
1.6A	120	0.59	15	♦	♦	♦	♦	♦	♦
2.0A	115	0.74	24	♦	♦	♦	♦	♦	♦
2.5A	110	0.84	37	♦	♦	♦	♦	♦	♦
3.15A	100	0.93	65	♦	♦	♦	♦	♦	♦
4.0A	95	1.1	62	♦	♦	♦	♦	♦	♦
5.0A	95	1.5	140	♦	♦	♦	♦	♦	♦
6.3A	95	1.6	215	♦	♦	♦	♦	♦	♦

N.B. GDC and GDC-V only available from 32mA to 400mA inclusive.

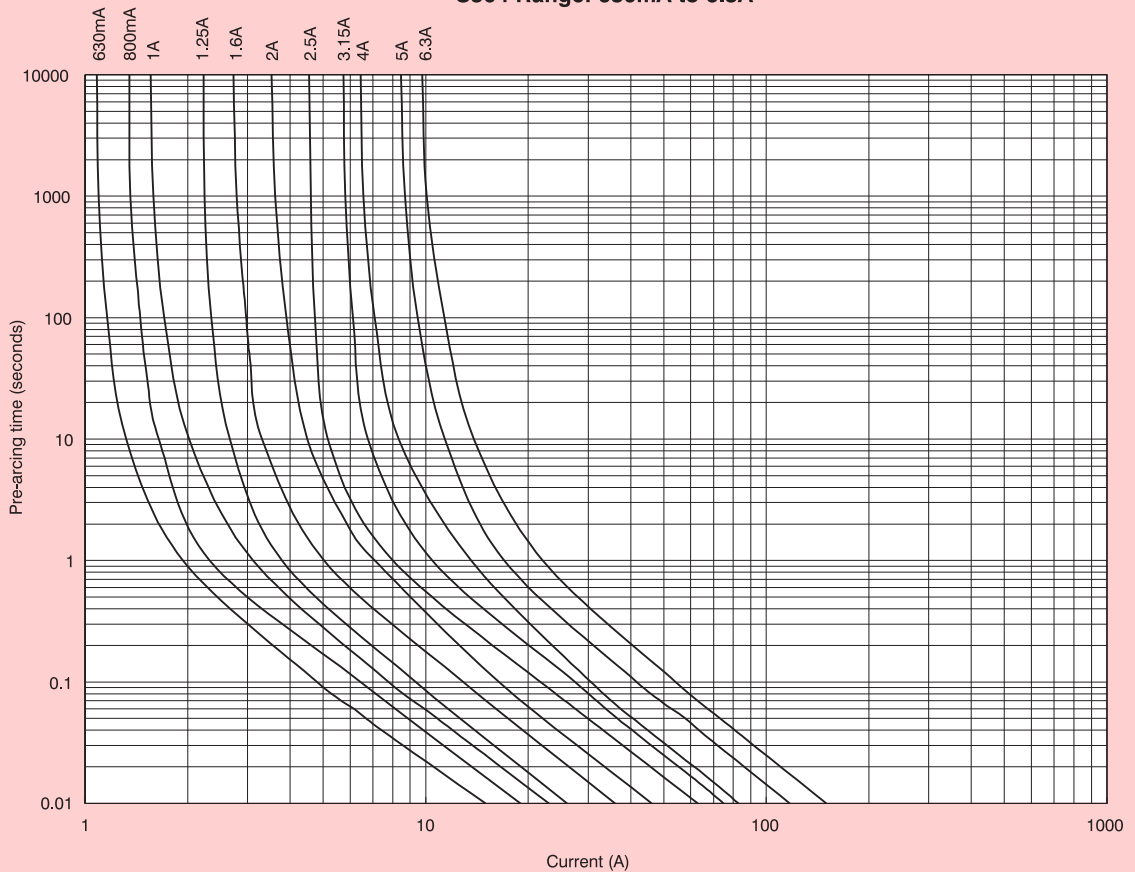
Time current characteristics

S504, GDC and GDC-V Range: 32mA to 500mA



GDC and GDC-V only available up to 400mA

S504 Range: 630mA to 6.3A



S505 and S505-V (Axial Leads)

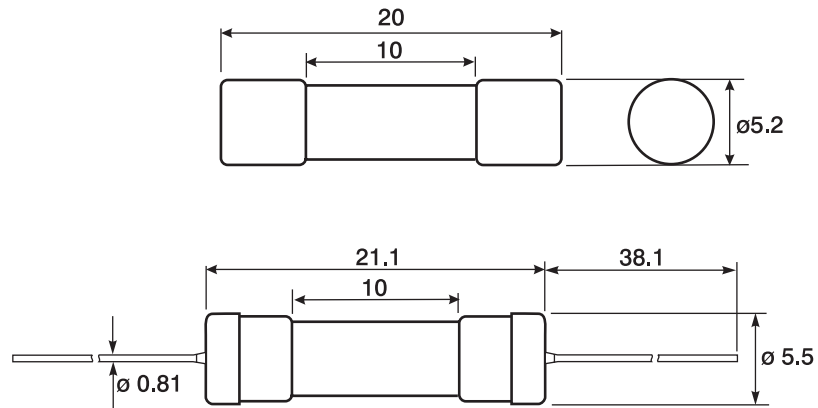


Agency Approvals:



Designed to IEC60127-2-5

Dimensions (mm):



Order Code: S505 + Rating
 Type: Time-Delay, High Breaking Capacity.
 Size: 5 x 20mm
 Construction: Ceramic Tube, electro-plated brass end caps.
 Ratings: 500mA to 10A
 Rated Voltage: 250V ac
 Packing: 10's, 100's, 1000's
 Weight: 1000 = 1.2kgs

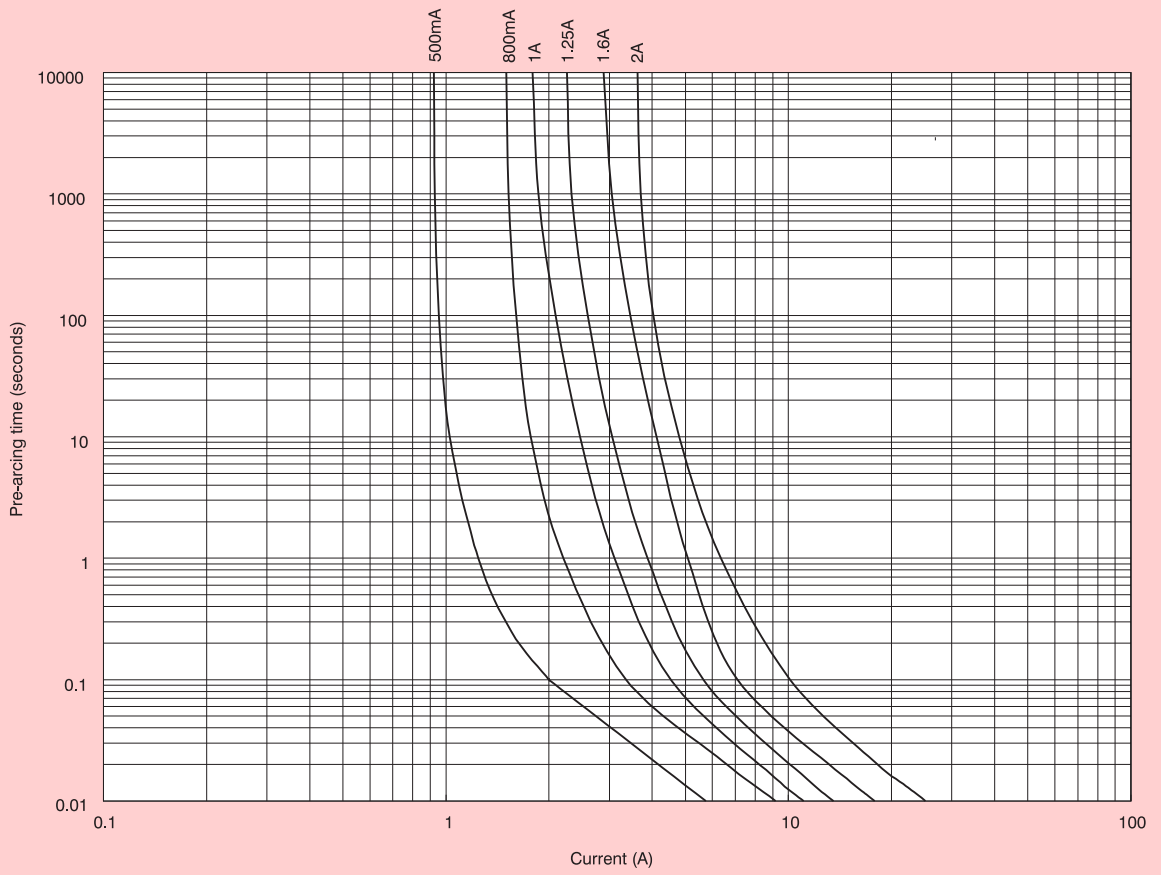
Breaking Capacity: 1500A at 250V, 50Hz, pf ≈ 0.7 - 0.8

Performance Data

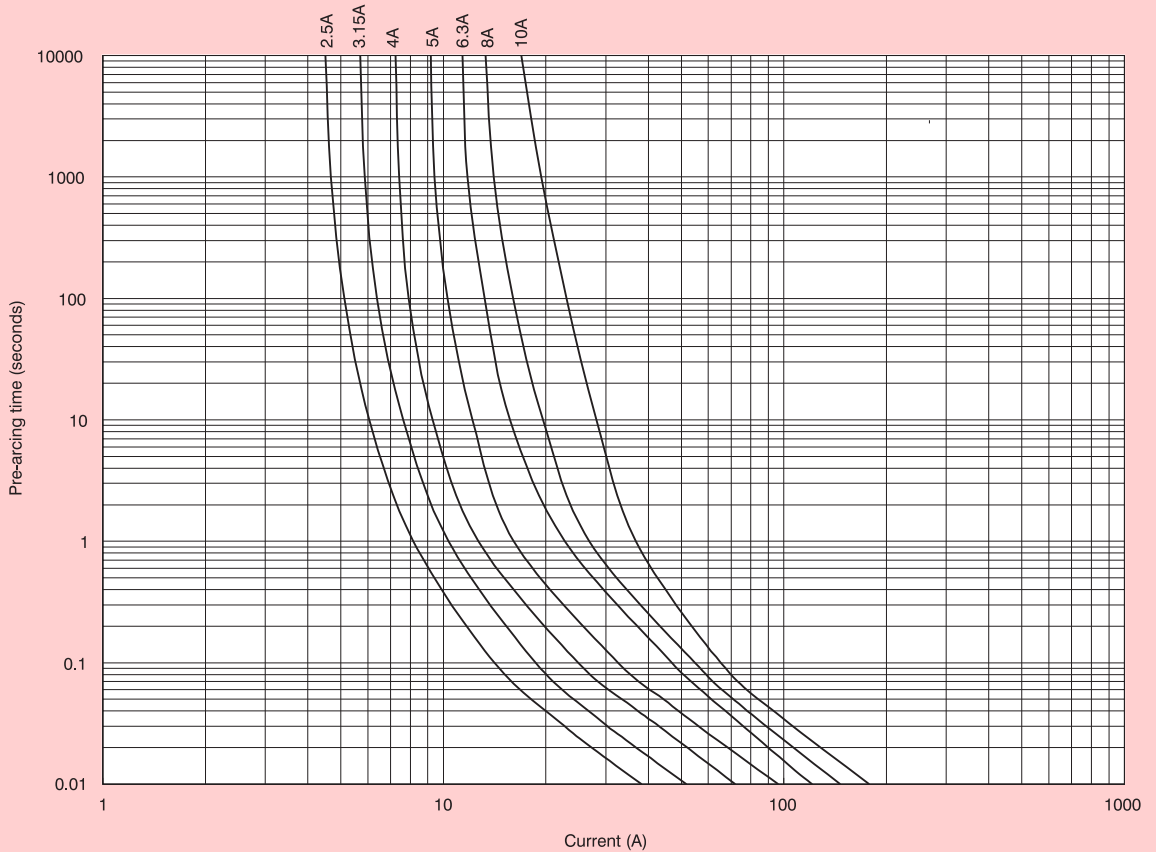
Rating	Max mV @ I _n	Max. Power Loss (W) @ 1.5 I _n	Min. Pre-arcing I ² t @ 10I _n (A ² s)	UL	VDE	S	CS	RU	T
500mA	360	0.62	0.14						
800mA	280	0.72	0.46						
1.0A	170	0.48	1.0	♦				♦	♦
1.25A	150	0.49	1.6	♦	♦	♦	♦	♦	♦
1.6A	130	0.52	3.0	♦	♦	♦	♦	♦	♦
2.0A	110	0.56	5.6	♦	♦	♦	♦	♦	♦
2.5A	100	0.59	12	♦	♦	♦	♦	♦	♦
3.15A	90	0.71	21	♦	♦	♦	♦	♦	♦
4.0A	85	0.90	43	♦	♦	♦	♦	♦	♦
5.0A	80	1.0	72	♦	♦	♦	♦	♦	♦
6.3A	75	1.1	135	♦	♦	♦	♦	♦	♦
8.0A	75	1.6	230						
10.0A	80	3.6	290						

Time current characteristics

S505 Range: 500mA to 2A



S505 Range: 2.5A to 10A



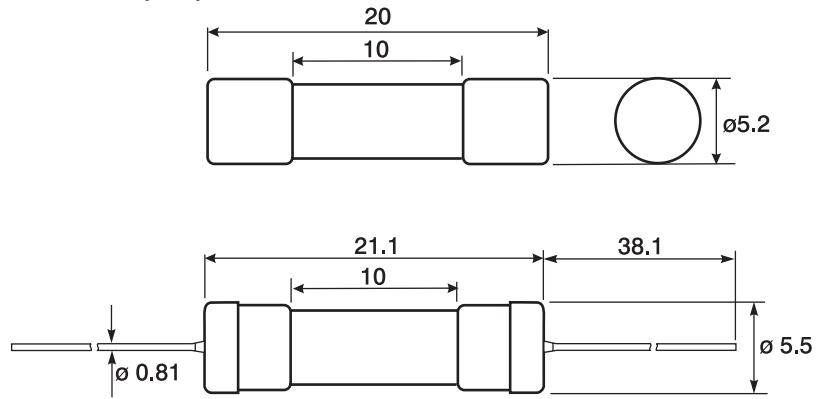
S506 (GDC, GDC-V Axial Leads)



Agency Approvals: 

Designed to IEC60127-2-3

Dimensions (mm):



Breaking Capacity: 35A at 250V (500mA to 3.15A), 10 x I_n at 250V (4A to 12.5A). Power factor 1.0

Order Code: S506 + Rating
GDC + Rating (USA)
GDC-V + Rating

Type: Time-Delay, Low Breaking Capacity

Size: 5 x 20mm

Construction: Glass Tube, electroplated end caps







Ratings: 500mA to 12.5A

Rated Voltage: 250V ac

Packing: 10's, 100's, 1000's

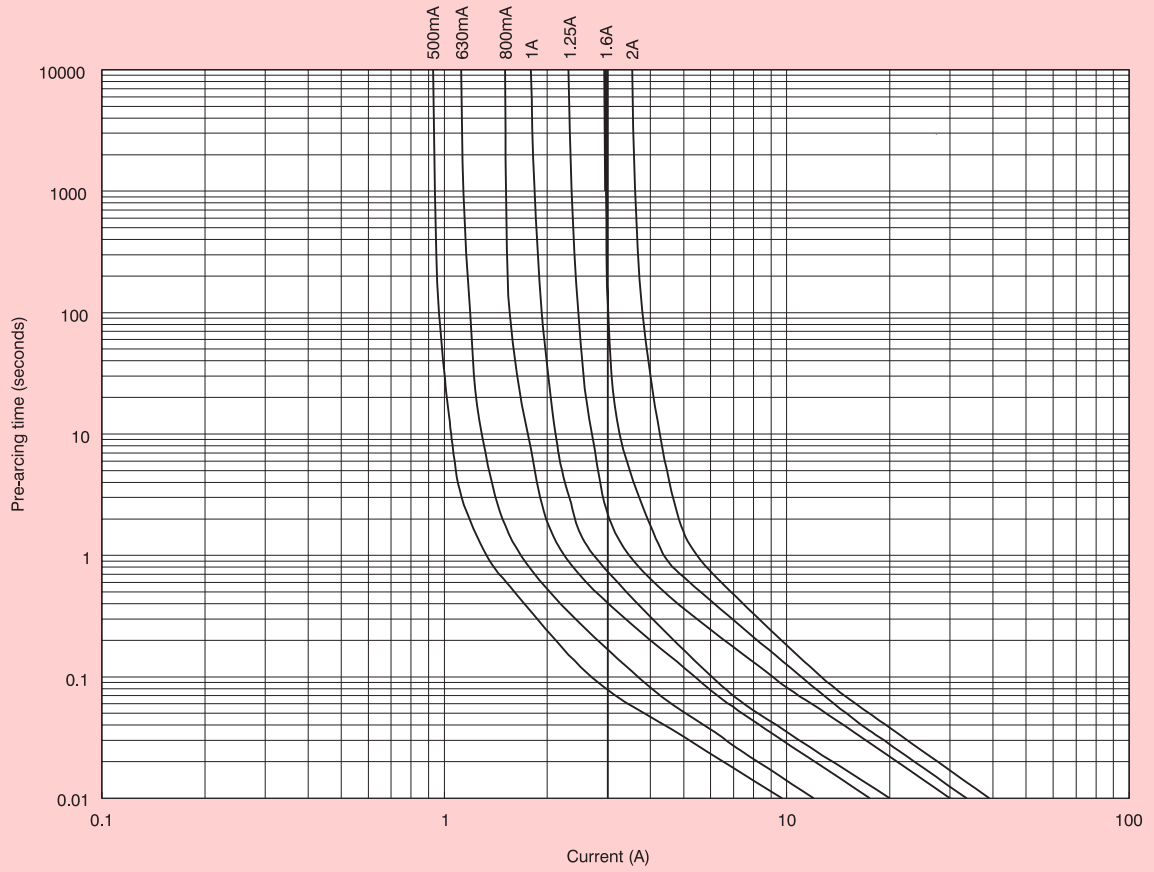
Weight: 1000 = 0.81kgs

Performance Data

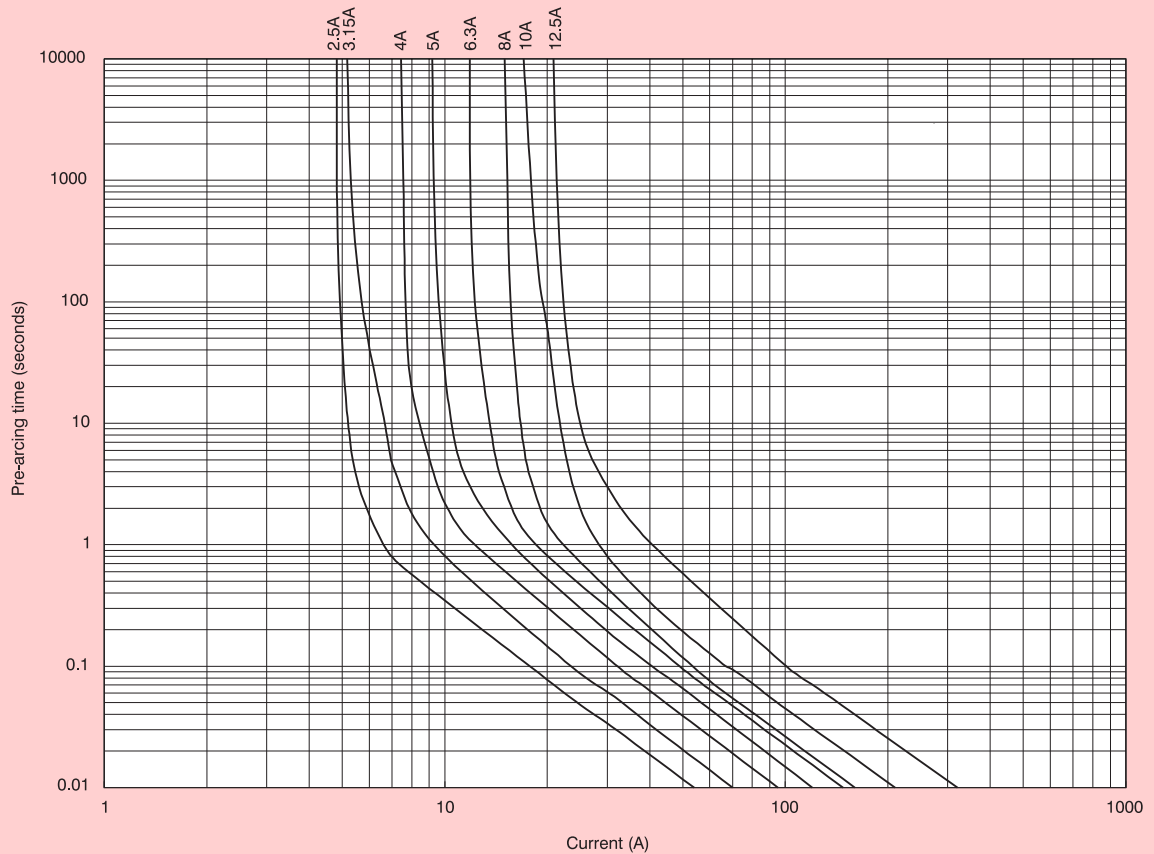
Rating	Max mV @ I _n	Max. Power Loss (W) @ 1.5 I _n	Min. Pre-arcing I ² t @ 10I _n (A ² s)						
500mA	190	0.27	0.67	♦	♦	♦		♦	
630mA	170	0.32	1.0	♦	♦	♦		♦	
800mA	150	0.36	2.2	♦	♦	♦	♦	♦	
1.0A	90	0.23	2.7	♦	♦	♦	♦	♦	♦
1.25A	85	0.27	6.7	♦	♦	♦	♦	♦	♦
1.6A	85	0.33	9.7	♦	♦	♦	♦	♦	♦
2.0A	85	0.44	15	♦	♦	♦	♦	♦	♦
2.5A	85	0.46	25	♦	♦	♦	♦	♦	♦
3.15A	80	0.57	51	♦	♦	♦	♦	♦	♦
4.0A	80	0.79	88	♦	♦	♦	♦	♦	♦
5.0A	75	0.97	150	♦	♦	♦	♦	♦	♦
6.3A	75	1.1	214	♦	♦	♦	♦	♦	♦
8.0A	80	-	192						
10.0A	75	-	420						
12.5A	75	-	812						

Time current characteristics

S506, GDC and GDC-V Range: 500mA to 2A



S506, GDC and GDC-V Range: 2.5A to 12.5A



S508

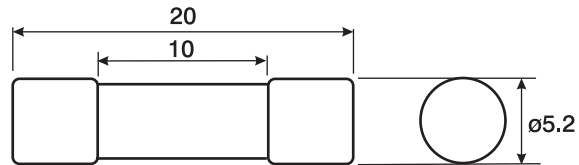


Agency Approvals:



Designed to IEC60127-2-6

Dimensions (mm):



Breaking Capacity: 150A @ 250V ac pf ≈ 1

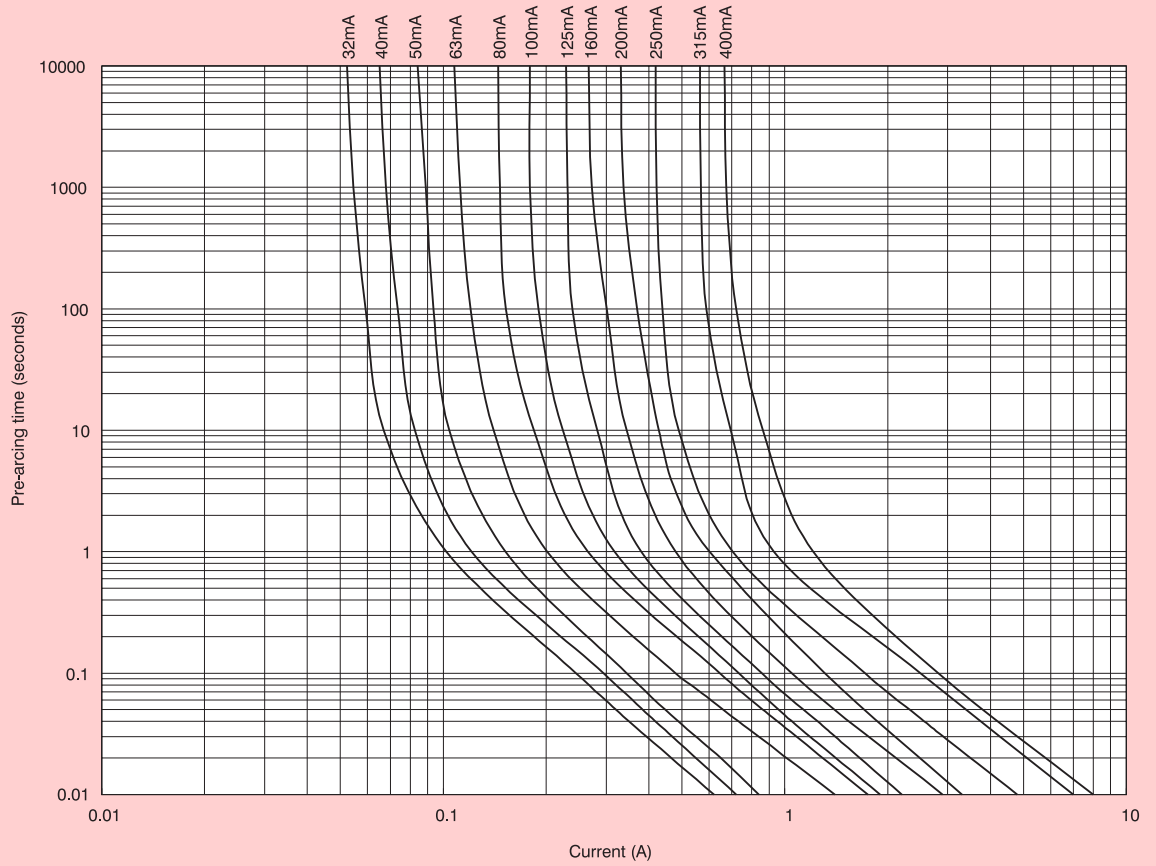
Order Code:	S508 + Rating
Type:	Time Delay, Enhanced Breaking Capacity
Size:	5 x 20mm
Construction:	Glass Tube, electroplated end caps
Ratings:	32mA to 3.15A
Rated Voltage:	250V ac

Performance Data

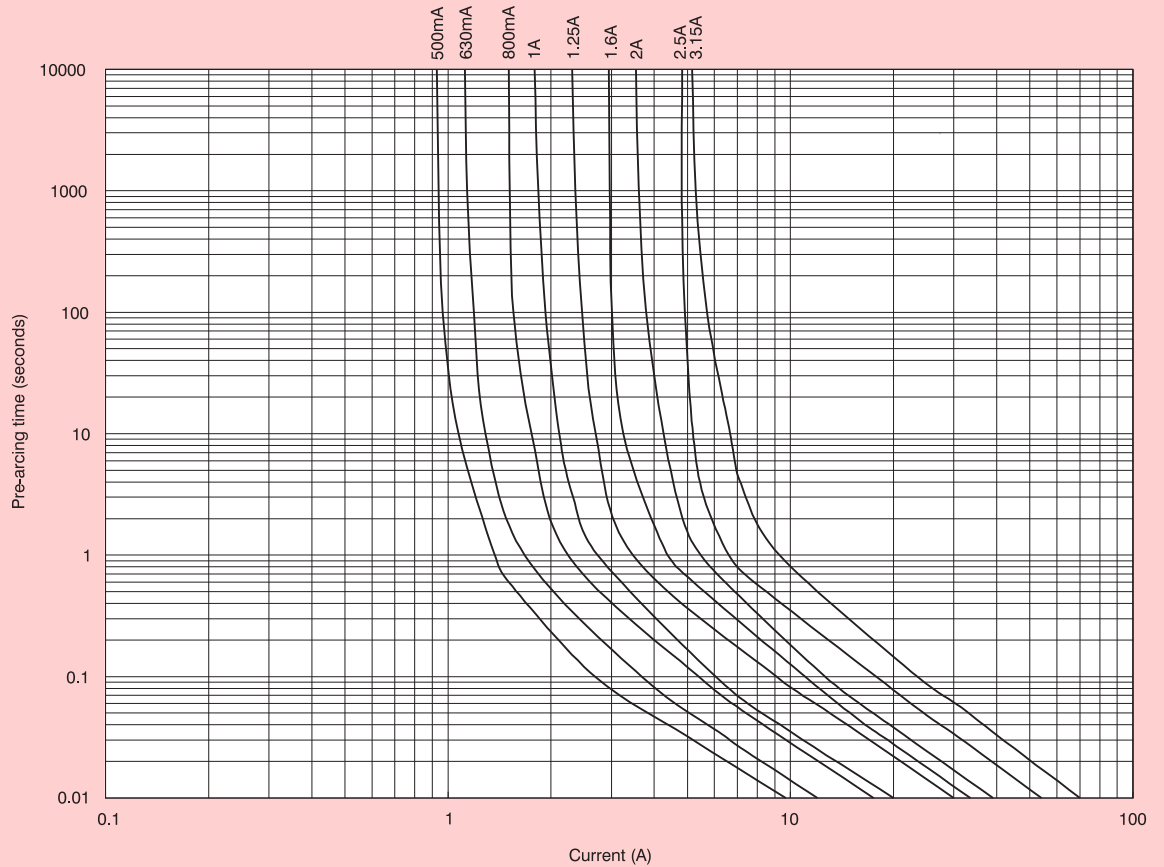
Rating	Max mV @ I_n	Max. Power Loss (W) @ $1.5 I_n$	Min. Pre-arcing I^2t @ $10I_n$ (A ² s)	
32mA	1100	0.14	0.0038	♦
40mA	960	0.17	0.0054	♦
50mA	860	0.17	0.0072	♦
63mA	800	0.17	0.017	♦
80mA	610	0.18	0.030	♦
100mA	520	0.18	0.035	♦
125mA	420	0.18	0.050	♦
160mA	340	0.21	0.076	♦
200mA	360	0.33	0.10	♦
250mA	290	0.33	0.20	♦
315mA	270	0.33	0.53	♦
400mA	230	0.33	0.80	♦
500mA	190	0.27	0.67	♦
630mA	170	0.32	1.0	♦
800mA	150	0.36	2.2	♦
1.0A	90	0.23	2.7	♦
1.25A	85	0.27	6.7	♦
1.6A	85	0.33	9.7	♦
2.0A	85	0.44	15	♦
2.5A	85	0.46	25	♦
3.15A	80	0.57	51	♦

Time current characteristics

S508 Range: 32mA to 400mA



S508 Range: 500mA to 3.15A



GMA and GMA-V (Axial Leads)

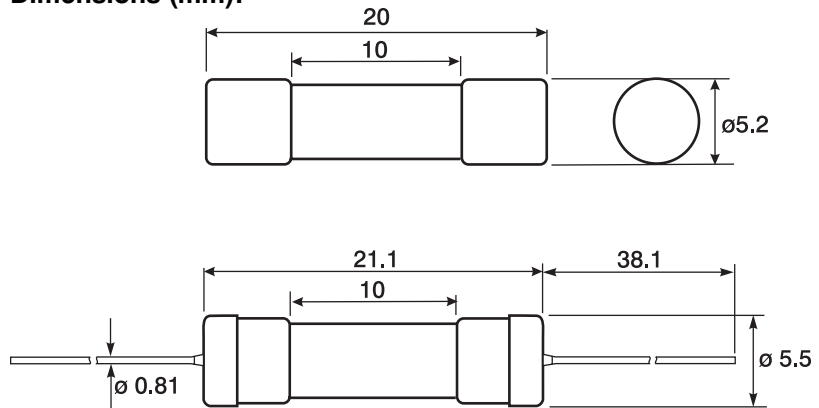


Agency Approvals:



Designed to UL248-14

Dimensions (mm):



Order Code: GMA or GMA-V + Rating
(GMA-V fitted with Axial Leads)

Type: Fast Acting

Size: 5 x 20mm

Construction: Glass Tube, electro-plated brass end caps.

Ratings: 63mA to 15A

Rated Voltage: 63mA-3A - 250V ac
3.15A-15A - 125V ac

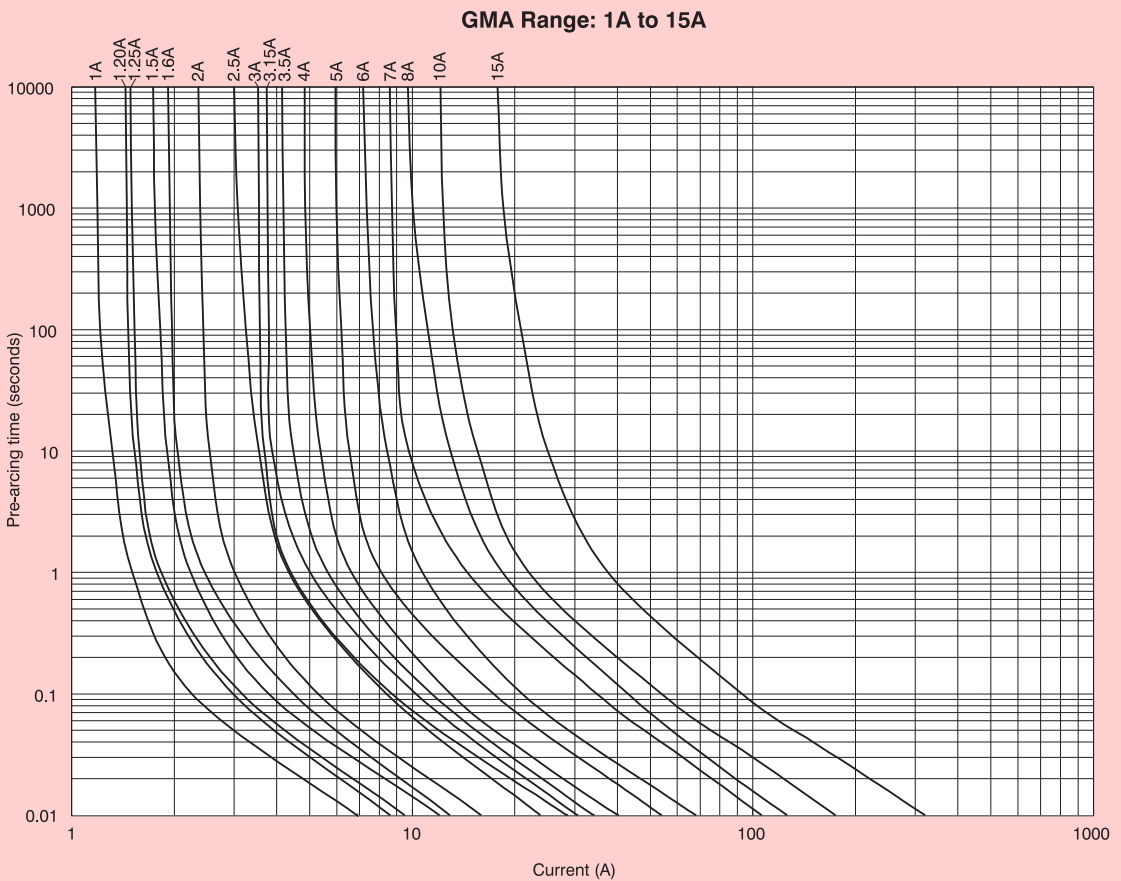
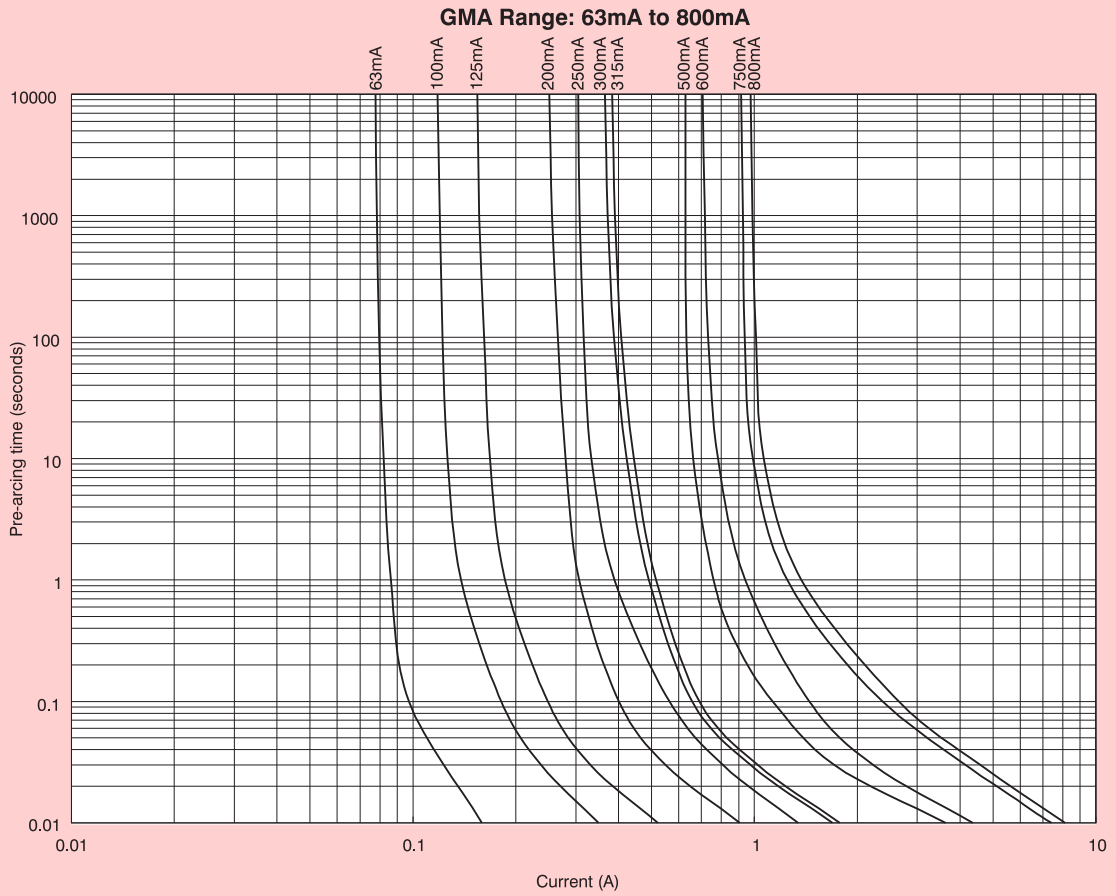
Packing: 10's, 100's, 1000's

Weight: 1000 = 0.73kg

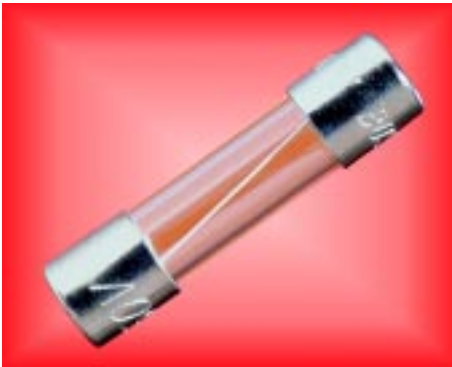
Performance Data

Rating	Breaking Capacity	Max mV @ I_n	Max. Power Loss (W) @ I_n	Min. Pre-arcing I^2t @ $10I_n$ (A ² s)	UL	IEC	SF	T
63mA	35A/250V ac 10kA/125V ac p.f. = 0.7 - 0.8	4900	0.31	0.000833	♦		♦	
100mA		4300	0.43	0.00180	♦		♦	
125mA		3700	0.46	0.00359	♦		♦	
200mA		3600	0.72	0.00800	♦		♦	
250mA		2300	0.58	0.0150	♦		♦	
300mA		500	0.15	0.0198	♦		♦	
315mA		500	0.16	0.0218	♦		♦	
500mA		230	0.12	0.103	♦		♦	
600mA		210	0.13	0.180	♦		♦	
750mA		210	0.16	0.456	♦		♦	
800mA		200	0.16	0.518	♦		♦	
1.0A		300	0.30	0.520	♦		♦	♦
1.2A	100A/250V ac 10kA/125V ac p.f. = 0.7 - 0.8	300	0.36	0.720	♦		♦	
1.25A		300	0.38	0.766	♦		♦	
1.5A		270	0.41	1.35	♦		♦	
1.6A		260	0.42	1.28	♦		♦	
2.0A		240	0.48	2.40	♦		♦	
2.5A		220	0.55	4.63	♦		♦	
3.0A	220	0.66	7.20	♦		♦		
3.15A	10kA/125V ac p.f. = 0.7 - 0.8	220	0.69	7.94	♦		♦	
3.5A		210	0.74	10.2	♦		♦	
4.0A		210	0.84	14.4	♦		♦	
5.0A		200	1.0	25.0	♦		♦	
6.0A	170	1.0	39.6	♦		♦	♦	
7.0A	200A/125V ac p.f. = 1.0	120	0.84	93.1		♦		♦
8.0A		110	0.88	141		♦		♦
10.0A		110	1.1	270		♦		♦
15.0A	150A/125V ac p.f. = 1.0	100	1.5	630		♦		♦

Time current characteristics



GMC and GMC-V (Axial Leads)

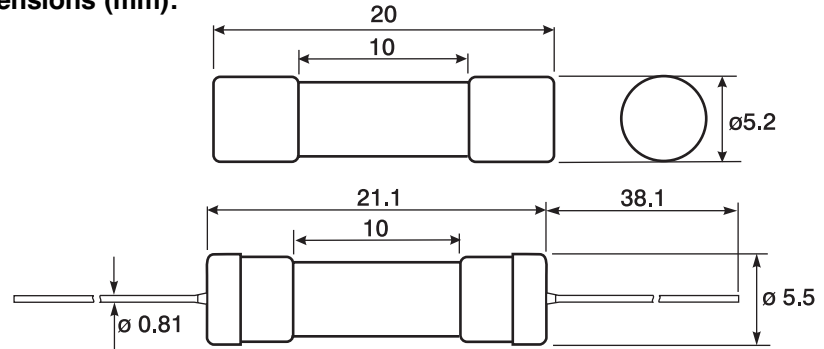


Agency Approvals:



Designed to UL 248-14.

Dimensions (mm):



Order Code: GMC or GMC-V + Rating

Type: Medium Time Delay

Size: 5 x 20mm

Construction: Glass Tube, electro-plated brass end caps.

Ratings: 50mA to 10A

Rated Voltage: 50mA to 3.15A - 250V ac
3.5A to 10A - 125V ac

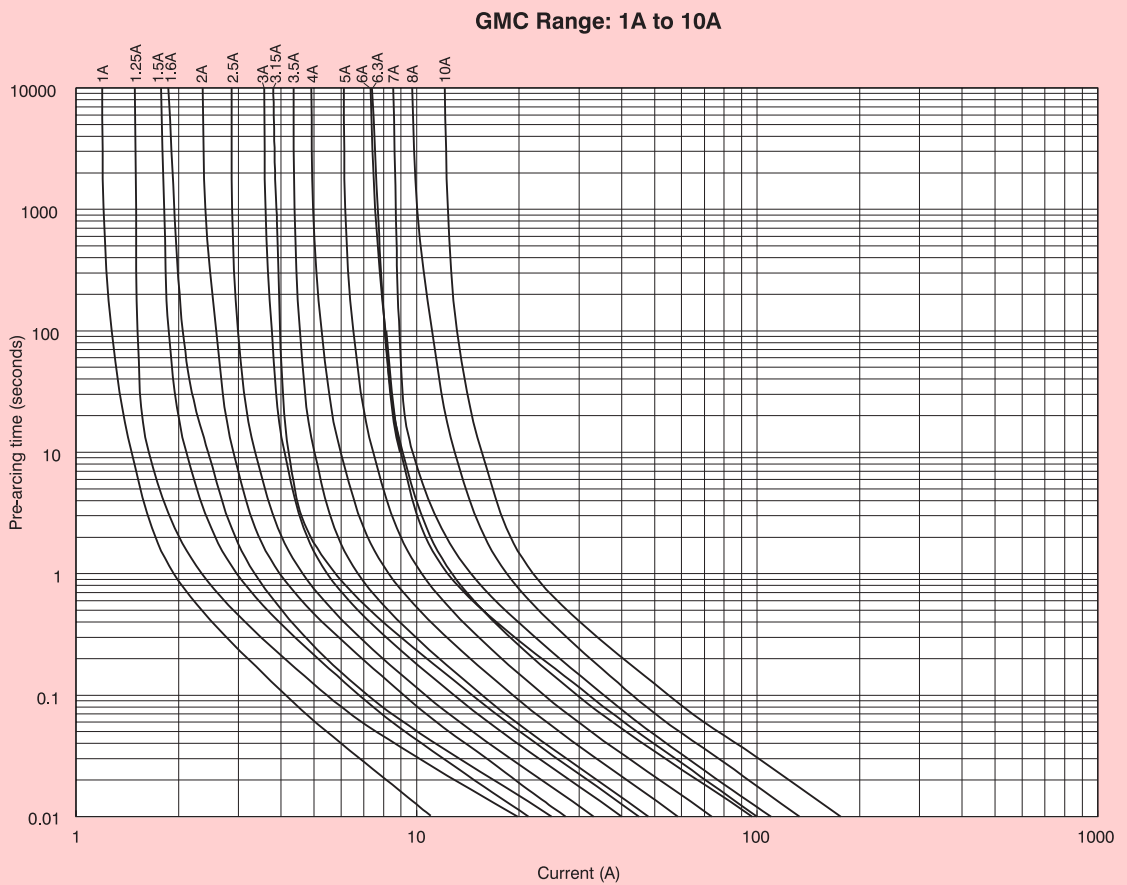
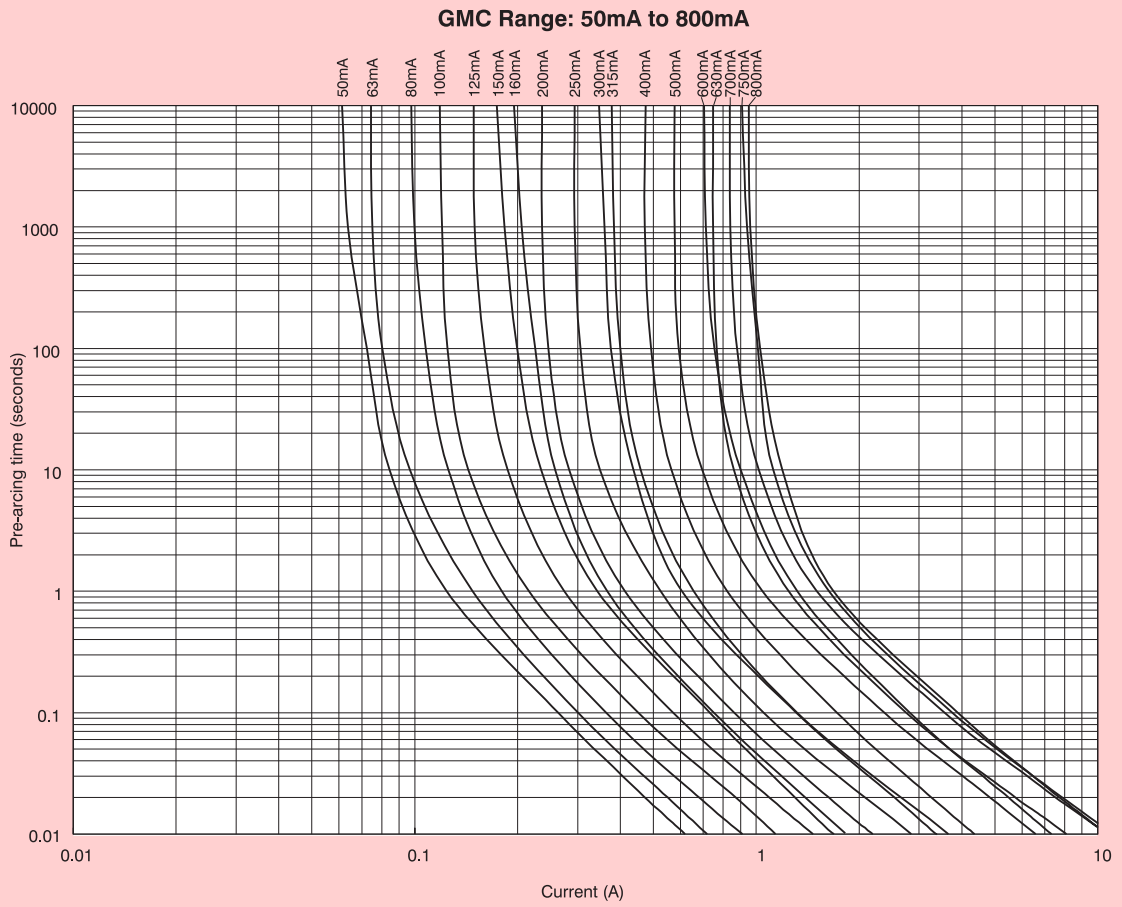
Packing: 10's, 100's, 1000's

Weight: 1000 = 0.74kg

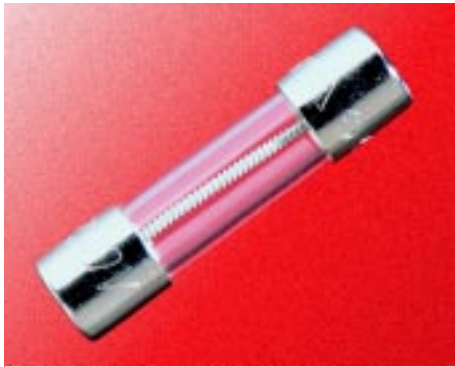
Rating	Breaking Capacity	Max. mV @ I _n	Max. Power Loss (W) @ I _n	Min. Pre-arcing I ² t @ 10I _n (A ² s)	UL	IEC	SA	T
50mA	35A/125V ac 10kA/125V ac p.f. = 0.7 - 0.8	1600	0.080	0.0032	♦		♦	
63mA		1400	0.088	0.0040	♦		♦	
80mA		1400	0.11	0.0064	♦		♦	
100mA		1200	0.12	0.010	♦		♦	
125mA		1000	0.13	0.016	♦		♦	
150mA		800	0.12	0.023	♦		♦	
160mA		730	0.12	0.026	♦		♦	
200mA		650	0.13	0.040	♦		♦	
250mA		490	0.12	0.063	♦		♦	
300mA		580	0.17	0.090	♦		♦	
315mA		480	0.15	0.099	♦		♦	
400mA		510	0.20	0.16	♦		♦	
500mA		370	0.19	0.37	♦		♦	
600mA		360	0.22	0.50	♦		♦	
630mA		360	0.23	0.55	♦		♦	
700mA		340	0.24	0.88	♦		♦	
750mA		320	0.24	0.9	♦		♦	
800mA		290	0.23	0.9	♦		♦	
1.0A	100A/250V ac 10kA/125V ac p.f. = 0.7 - 0.8	250	0.25	1.0	♦		♦	♦
1.25A		200	0.25	2.5	♦		♦	♦
1.5A		190	0.29	3.6	♦		♦	♦
1.6A		160	0.26	4.8	♦		♦	♦
2.0A		130	0.26	6.0	♦		♦	♦
2.5A		130	0.33	6.8	♦		♦	♦
3.0A		130	0.39	10	♦		♦	♦
3.15A		130	0.41	16	♦		♦	♦
3.5A	10kA/125V ac p.f. = 0.7 - 0.8	130	0.46	19	♦		♦	♦
4.0A		120	0.48	28	♦		♦	♦
5.0A		120	0.60	45	♦		♦	♦
6.0A		120	0.72	79	♦		♦	♦
6.3A		120	0.76	79	♦		♦	♦
7.0A		120	0.84	93		♦		♦
8.0A	200A/125V ac p.f. = 1.0	110	0.88	154		♦		♦
10.0A		110	1.10	270				♦

Performance Data

Time current characteristics



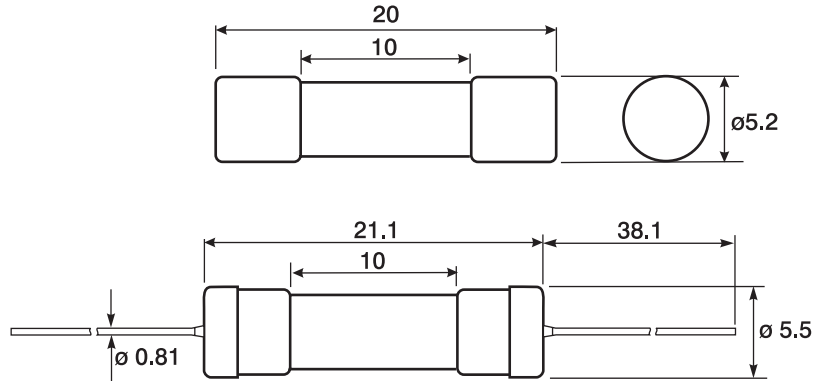
GMD and GMD-V (Axial Leads)



Agency Approvals:

Designed to UL 248-14

Dimensions (mm):



Order Code: GMD or GMD-V + Rating

Type: Time Delay

Size: 5 x 20mm

Construction: Glass Tube, electro-plated brass end caps.

Ratings: 125mA to 4A

Rated Voltage: 250V ac

Packing: 10's, 100's, 1000's

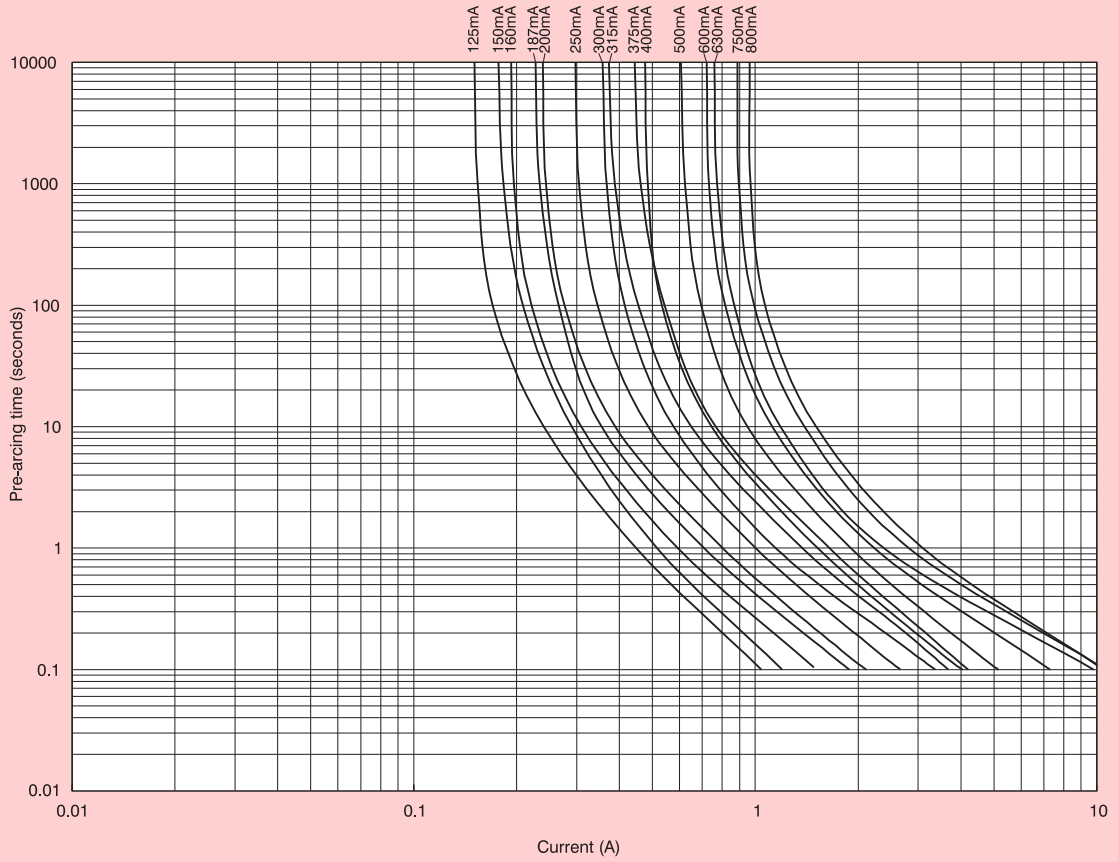
Weight: 1000 = 0.79kgs

Performance Data

Rating	Breaking Capacity	Max mV @ I _n	Max. Power Loss (W) @ I _n	Min. Pre-arcing I ² t @ 10I _n (A ² s)				
125mA	35A/250V ac 10kA/125V ac p.f. = 0.7 - 0.8	1600	0.20	0.078	♦		♦	
150mA		1300	0.20	0.11	♦		♦	
160mA		1300	0.21	0.17	♦		♦	
187mA		1200	0.22	0.31	♦		♦	
200mA		1100	0.22	0.36	♦		♦	
250mA		900	0.23	0.56	♦		♦	
300mA		760	0.23	0.93	♦		♦	
315mA		700	0.22	0.94	♦		♦	
375mA		660	0.25	1.2	♦		♦	
400mA		580	0.23	1.2	♦		♦	
500mA		540	0.27	2.2	♦		♦	
600mA		400	0.24	4.6	♦		♦	
630mA		400	0.25	7.1	♦		♦	
750mA		400	0.30	8.4	♦		♦	
800mA		330	0.26	9.6	♦		♦	
1.0A		300	0.30	14	♦		♦	♦
1.2A		330	0.40	17	♦		♦	♦
1.25A	250	0.31	14	♦		♦	♦	
1.5A	250	0.38	27	♦		♦	♦	
1.6A	220	0.35	30	♦		♦	♦	
2.0A	190	0.38	68	♦		♦	♦	
2.5A	190	0.48	113	♦		♦	♦	
3.0A	170	0.51	153	♦		♦	♦	
4.0A	200A/250V ac 10kA/125V p.f. = 1	160	0.64	224		♦		♦

Time current characteristics

GMD Range: 125mA to 800mA



GMD Range: 1A to 4A

