

High Speed HRC Fuses - continued

Semi-conductor Protection Fuses - continued

660 Volt RMS Series

Rating (A)	Max Power Loss (Watts)	I <sup>2</sup> t Rating (A <sup>2</sup> S)		Former IR List No.	Bussmann List No.	Order Code
		Pre-Arcing (Min)	Max @ 415V @ 660V			
8	3.2	1.7	10	15	E1000-8	8ET 120-2328
12	3.7	7	38	55	E1000-12	12ET 120-2329
15	4.6	11	60	95	E1000-15	15ET 120-2330
20	7.5	18	100	180	E1000-20	20ET 120-2331
25	7	24	150	250	E1000-25	25ET 120-2332
32	11	32	190	350	E1000-32	32ET 120-2333
40	9	100	600	900	E1000-40	40ET 120-2334
56	14	160	950	1500	E1000-56	56ET 120-2335
80	18	410	2500	4000	E1000-80	80ET 120-2336
65	20	210	1100	1700	EE1000-65	65EET 120-2337
75	20	420	2000	3000	EE1000-75	75EET 120-2338
90	19	480	3000	4500	EE1000-90	90EET 120-2341
110	27	600	4000	6500	EE1000-110	110EET 120-2342
160	26	2400	15000	25000	M1000-160	160MT 120-2343
225	42	4600	25000	40000	MM1000-225	225MMT 120-2344
280	47	7400	45000	70000	MM1000-280	280MMT 120-2345
315	51	9600	60000	90000	MM1000-315	315MMT 120-2346
355	54	18000	100000	150000	MM1000-355	355MMT 120-2347

Former IR product List No. are electrically identical to Bussmann List No. IR's range of fuses were manufactured by Bussmann and then re-branded.

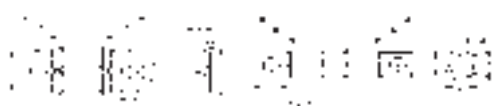
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Current Rating	Order Code	Price Each			
		1+	20+	40+	100+
<b>240 Volt RMS Series</b>					
6A	120-2308	213.00	191.00	184.00	183.00
10A	120-2309	213.00	191.00	184.00	183.00
12A	120-2428	234.00	214.00	194.00	185.00
16A	120-2310	222.00	--	--	--
20A	120-2311	213.00	191.00	184.00	183.00
		1+	10+	50+	100+
7A	120-2312	464.00	426.00	402.00	396.00
10A	120-2313	464.00	426.00	402.00	396.00
12A	120-2314	511.00	453.00	419.00	412.00
16A	120-2316	511.00	453.00	419.00	412.00
25A	120-2317	504.00	454.00	432.00	421.00
32A	120-2318	504.00	454.00	432.00	421.00
35A	120-2319	504.00	454.00	432.00	421.00
50A	120-2429	504.00	454.00	432.00	421.00
63A	120-2320	504.00	454.00	432.00	421.00
80A	120-2321	504.00	454.00	432.00	421.00
100A	120-2322	581.00	540.00	494.00	484.00
125A	120-2323	620.00	545.00	512.00	502.00
160A	120-2324	648.00	572.00	540.00	532.00
160A	120-2326	1,198.00	1,064.00	997.00	978.00
180A	120-2325	648.00	572.00	540.00	532.00
<b>660 Volt RMS Series</b>					
		1+	10+	50+	100+
8A	120-2328	626.00	564.00	508.00	492.00
12A	120-2329	626.00	564.00	508.00	492.00
15A	120-2330	626.00	564.00	508.00	492.00
20A	120-2331	626.00	564.00	508.00	492.00
25A	120-2332	626.00	564.00	508.00	492.00
32A	120-2333	626.00	564.00	508.00	492.00
40A	120-2334	626.00	564.00	508.00	492.00
56A	120-2335	626.00	564.00	508.00	492.00
80A	120-2336	677.00	614.00	558.00	512.00
65A	120-2337	1,361.00	1,225.00	1,153.00	1,106.00
75A	120-2338	1,361.00	1,225.00	1,153.00	1,106.00
90A	120-2341	1,361.00	1,225.00	1,153.00	1,106.00
110A	120-2342	1,361.00	1,225.00	1,153.00	1,106.00
160A	120-2343	1,409.00	1,317.00	1,254.00	1,234.00
		1+	5+	10+	25+
225A	120-2344	2,958.00	2,627.00	2,501.00	2,433.00
280A	120-2345	2,958.00	2,627.00	2,501.00	2,433.00
315A	120-2346	2,958.00	2,627.00	2,501.00	2,433.00
355A	120-2347	2,958.00	2,627.00	2,501.00	2,433.00

BS88 Semiconductor Fuse Links

GECA LVE

Trip Indication Available



Dims Ref	Dims Ref: E								Dims Ref: F	
	A	B	D	E	F	G	H	J	K	
A	28	8	47.6	6.4	0.8	38.1	3.8	5	8.7	
B	29.2	17.3	58.4	12.7	1.6	41.8	6.4	7.9	18.2	
C	55	8	74.6	6.4	0.8	65	3.8	5	8.7	
D	50	17.3	79.5	12	1.6	61.8	6.4	7.9	18.2	
E	48	35.7	95	31.8	1.6	72	8.3	13.4	19	
F	55	34.6	107	25.4	6.4	81.7	10.3	15.5	77.6	

- HRC fuse links for Semiconductor applications
- Fast acting fuse links are designed to disconnect failed semiconductor devices
- Ultra fast acting fuse links are designed to provide short circuit protection of semiconductors
- AC and DC ratings
- **ASTA certified to BS88**

GSA Series - Fast Acting

Voltage Rating 240V ac 200V dc

Current Rating (A)	Pre-Arcing I <sup>2</sup> T (min)	Power Dissipation	Top Cap Temp rise @ 20°C Ambient	Dims Ref	Mfrs. List No.	Order Code
5	1.1	0.8	11	A	GSA5	870-420
10	4.3	1.6	18	A	GSA10	870-432
15	12	2.5	25	A	GSA15	870-444
20	17	3.5	33	A	GSA20	870-456
25	74	2.6	18	B	GSA25	870-468
35	150	4	27	B	GSA35	870-470
50	400	5.2	34	B	GSA50	870-481

Mfrs. List No. GS1PAS, Order Code 772-884

Rating	Order Code	Price Each				
		1+	20+	100+	250+	+
5A	870-420	263.00	236.00	233.00	--	--
10A	870-432	286.00	257.00	238.00	243.00	--
15A	870-444	263.00	236.00	233.00	--	--
20A	870-456	263.00	251.00	233.00	--	--
25A	870-468	589.00	528.00	491.00	519.00	--
35A	870-470	589.00	562.00	521.00	519.00	--
50A	870-481	589.00	528.00	521.00	519.00	--

GSB Series - Fast Acting

Voltage Rating 600V ac 400V dc

Current Rating (A)	Pre-Arcing I <sup>2</sup> T (min)	Power Dissipation	Top Cap Temp rise @ 20°C Ambient	Dims Ref	Mfrs. List No.	Order Code
10	2.3	3.6	36	C	GSB10	870-500
15	11	3.9	33	C	GSB15	870-511
20	28	7.3	52	C	GSB20	870-523
25	40	6.7	44	D	GSB25	870-535

Rating	Order Code	Price Each				
		1+	20+	100+	250+	+
5A	870-493	295.00	281.00	260.00	258.00	--
10A	870-500	295.00	264.00	260.00	258.00	--
15A	870-511	295.00	281.00	260.00	258.00	--
20A	870-523	295.00	281.00	260.00	258.00	--
25A	870-535	704.00	672.00	623.00	621.00	--

GSGB Series - Ultra Fast Acting

Voltage Rating 660Vac, 400Vdc (16-160A) 350Vdc (200-350A)

Current Rating (A)	Pre-Arcing I <sup>2</sup> T (min)	Power Dissipation	Top Cap Temp rise @ 20°C Ambient	Dims Ref	Mfrs. List No.	Order Code
16	8	4.7	35	D	GSGB16	870-559
25	23	8.3	44	D	GSGB25	870-560
30	36	9.6	48	D	GSGB30	870-572
35	70	9.3	48	D	GSGB35	870-584
40	110	9.3	48	D	GSGB40	870-596
45	140	10.8	50	D	GSGB45	870-602
55	205	14.7	58	D	GSGB55	870-614
75	280	23	83	E	GSGB75	870-626
85	560	20	58	E	GSGB85	870-638
110	800	30	88	E	GSGB110	870-640
150	1800	39	87	E	GSGB150	870-651
200	3200	56	56	F	GSGB200	870-663
235	5700	54	54	F	GSGB235	870-675
300	10000	71	71	F	GSGB300	870-687
350	16500	68	68	F	GSGB350	870-705

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Rating	Order Code	Price Each				
		1+	5+	20+	100+	+
16A	870-559	638.00	619.00	600.00	563.00	--
25A	870-560	709.00	684.00	626.00	627.00	--
30A	870-572	709.00	684.00	665.00	627.00	--
35A	870-584	728.00	706.00	643.00	644.00	--
40A	870-596	728.00	706.00	683.00	644.00	--
45A	870-602	728.00	706.00	683.00	644.00	--
55A	870-614	728.00	706.00	683.00	644.00	--
75A	870-626	1,537.00	1,486.00	1,441.00	1,354.00	--
85A	870-638	1,537.00	1,486.00	1,441.00	1,354.00	--
110A	870-640	1,557.00	1,507.00	1,375.00	1,370.00	--
150A	870-651	1,647.00	1,586.00	1,542.00	1,446.00	--
200A	870-663	3,105.00	2,971.00	2,949.00	--	--
235A	870-675	3,105.00	2,971.00	2,949.00	--	--
300A	870-687	3,363.00	3,217.00	3,191.00	--	--
325A	870-699	3,410.00	3,262.00	3,243.00	--	--
350A	870-705	3,410.00	3,262.00	3,243.00	--	--