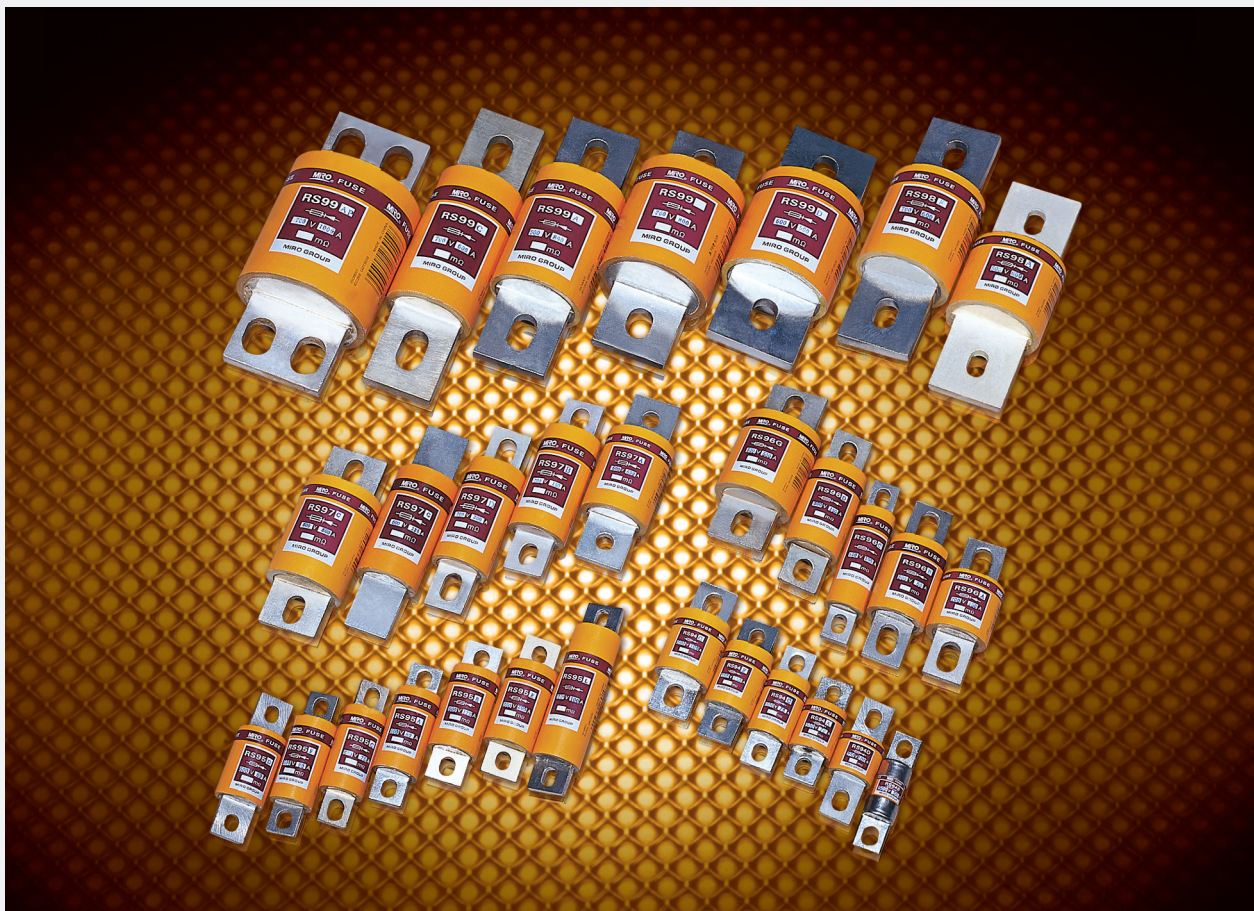


Bolt Connected Round Cartridge Type Fast-acting Fuse Links For Semiconductor protection



► Applications

This series of fuses are mainly used in circuits of AC 50Hz, rated voltage of 1500V and rated current of 1000A, to protect the semiconductor components and the whole unit from short-circuit.

The breaking capacity of the fuses is up to 100KA.

The fuses are compliant with the IEC269-1/IEC269-4 and GB13539.1/GB13539.4 .

► Design Features

The variable cross-section fuse element made of pure silver sheets are sealed in the melting tube made of epoxy glass fibre which is heat resistant. The fuse tube is filled with chemically-treated high-purity quarts as arc-extinguishing medium. The two ends of the melting body are connected to the (knife) contacts by dot welding.

► Basic Data

The models, dimensions, ratings are shown in Figures 6.1~6.6 and Tables 6 .

Table 6

Cat. No.	Models	Rated voltage (V)	Rated current (A)	Dimensions/sizes (mm)								Weight (g)
				Fig.	A	B	C	φD	E	F	φd	
0601	RS94A	500	40~200	6.1	70	52	32	28	22	5	8.2 × 12	98
0602	RS94C	500	40~200	6.1	80	62	42	28	22	5	8.2 × 12	106
0603	RS94D	250	30~200	6.1	80	57	26	29	22	5	8.2 × 12	120
0604	RS94E	500	30~200	6.1	80	60	42	31	24	5	8.2 × 12	142
0605	RS94F	500	40~200	6.1	80	58	38	33	25	5	8.2 × 12	135
0606	RS94G	500	40~400	6.1	88	62	42	36	26	5	10.2 × 15	202.5
0607	RS94H	250	30~150	6.1	70	53	27	22	16	5	8.2 × 12	82
0608	RS94J	250	40~250	6.1	67	51	26	26	19	3.5	8.2 × 12	102
0609	RS95A	500/660	50~250	6.1	91	72	54	28	22	5	8.2 × 12	112.5
0610	RS95B	500/660	50~300	6.1	92	73	54	31	25	5	8.2 × 12	150
0611	RS95C	500/660	50~200	6.1	92	73	54	26	19	5	8.2 × 12	114
0612	RS95D	500/660	100~200	6.1	92	72	45	30	25	5	8.2 × 12	149
0613	RS95E	500/660	40~350	6.1	92	72	54	31	25	6	8.2 × 12	155
0614	RS95F	500/660	50~250	6.1	93	75	54	26	19	5	8.2 × 12	145
0615	RS95FS	500	100	6.1	100	82	48	26	19	3	8.2 × 12	124
0616	RS95G	500/660	50~300	6.1	93	75	53	31	25	5	8.2 × 10	128
0617	RS95H	500	200~400	6.1	96	70	42	36	26	5	10.2 × 15	193
0618	RS95K	500	250~400	6.1	98	70	38	47	32	5	10.2 × 15	320
0619	RS95L	700	100~300	6.1	127	108	89	31	25	5	8.2 × 12	195
0620	RS95M	500	50~200	6.1	110	81	50	31	25	5	8.2 × 10	165
0621	RS95N	700	50~200	6.1	128	101	75	25	20	6	10.5 × 15	172
0622	RS95P	250	250~400	6.1	98	68	41	38	25	6	10.5 × 18	218
0623	RS95Q	500	50~200	6.1	110	95	75	25	18	5	6.2 × 10	148
0624	RS95R	700	35~100	6.1	110	84	50	31	25	6	8.2 × 18	160
0625	RS95S	250	160~300	6.1	100	65	30	36	30	6	10.5 × 15	188
0626	RS95T	500/660	100~250	6.1	112	87	52	27	21	5	10 × 18	210
0627	RS95U	500	100	6.1	100	82	48	26	19	5	8.2 × 12	148
0628	RS95V	600	100~200	6.1	128	98	60	25	19	3	10.2 × 15	262
0629	RS95W	500	40~200	6.1	129	96	53	34	24	6	12 × 20	183
0630	RS96A	500	200~300	6.1	100	70	40	40	26	6	10.5 × 18	230
0631	RS96B	500/660	200~400	6.1	110	83	53	38	26	6	8.2 × 12	240.5
0632	RS96C	500/660	100~200	6.1	112	90	70	25	20	6	10.5 × 15	125
0633	RS96D	500/660	75~200	6.1	112	90	60	36	26	5	10.5 × 15	241
0634	RS96E	500/660	200~300	6.1	112	93	73	31	25	5	7 × 9.5	166
0635	RS96F	500/660	200~400	6.1	113	87	70	40	26	6	10.5 × 15	255
0636	RS96G	500/660	400~500	6.1	114	87	56	51	38	6	10.5 × 15	437
0637	RS96GK	500	400~500	6.1	97	67	38	51	36	8	11 × 17	198
0638	RS96H	500/660	300	6.1	117	92	67	28	22	3	7 × 9.5	132
0639	RS96K	500/660	200~400	6.1	117	80	52	40	32	6	10.5 × 15	280
0640	RS96L	500/660	200~400	6.1	117	89	57	37	30	6	10.5 × 15	280
0641	RS96M	500	50~200	6.1	135	113	67	34	20	5	8.2 × 12	196
0642	RS96N	500	250~400	6.1	115	87	58	39	26	6	10.5 × 18	245
0643	RS96P	700	125~200	6.1	130	90	50	38	25	6.3	10.5 × 26	250
0644	RS96Q	250	315~400	6.1	100	71	38	43	35	9	10.5 × 15	195
0645	RS96R	500/660	35~300	6.1	113	83	53	40	30	6.5	12.2 × 18	197
0646	RS96S	500/660	40~250	6.1	95	68	40	27	20	5	9 × 18	153
0647	RS97A	500/660	300~500	6.1	120	90	58	46	32	6	10.5 × 18	450
0648	RS97B	500/660	50~200	6.1	126	100	74	38	26	6	10.5 × 18	295
0649	RS97C	500/660	350~500	6.1	128	98	70	51	38	6	10.5 × 18	460
0650	RS97D	500/660	200~400	6.1	130	98	72	38	26	6	10.5 × 18	288
0651	RS97E	500/660	200~350	6.1	145	111	77	38	29	5	7 × 11	300
0652	RS97F	500/660	200~400	6.1	145	105	76	41	28	8	10.5 × 18	355
0653	RS97G	500/660	200~400	6.1	146	110	76	41	29	5	7 × 9.5	341
0654	RS97H	500/660	200~400	6.1	146	110	75	48	36	8	12.5 × 18	520
0655	RS97K	500/660	200~400	6.1	130	100	70	53	42	8	14.2 × 18	480
0656	RS97L	500	200~400	6.1	125	103	48	51	38	6	10.5 × 18	420
0657	RS97M	500	400~500	6.1	145	102	53	51	38	6.3	14.5 × 30	465
0658	RS97N	500/660	200~400	6.1	145	113	88	38	25	6.3	10.5 × 18	353

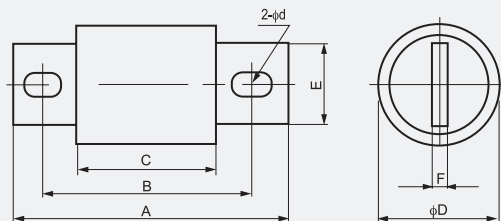


Figure 6.1



Low-Voltage Fuses
Fuse links



Table 6 (cont.)

Cat. No.	Models	Rated voltage (V)	Rated current (A)	Dimensions/size (mm)								Weight (g)
				Fig.	A	B	C	ϕD	E	F	ϕd	
0659	RS98A	500/660	600	6.1	165	114	56	64	50	8	10.5 × 18	635
0660	RS98B	500/660	600	6.1	170	130	80	70	50	6	10.5 × 18	1280
0661	RS98C	500/660	500	6.1	181	133	86	51	40	10	10.5 × 15	720
0662	RS98D	500/660	600	6.1	180	131	85	64	50	10	14.2 × 18	970
0663	RS98E	700	250~400	6.1	130	90	50	51	38	6.3	14.2 × 28	450
0664	RS98F	700	300~400	6.1	181	130	72	64	50	10	14.2 × 28	780
0665	RS98G	700	400~600	6.1	175	135	73	63	51	10	12.5 × 18	1135
0666	RS98H	700	400~500	6.1	166	118	70	50	38	6	16.2 × 22	583
0667	RS98K	700	500~600	6.1	181	114	50	64	51	9.5	14.2 × 45	996
0668	RS98L	700	500~800	6.1	167	137	72	70	50	8	10.5 × 18	1100
0669	RS98M	700	500~600	6.1	160	108	53	63	50	9	14.2 × 23	925
0670	RS98N	700	500~600	6.1	180	125	73	60	46	13	14.2 × 25	1050
0671	RS98P	500	400~500	6.1	110	80	53	50	40	6	10.5 × 18	410
0672	RS99A	500/660	500~600	6.1	190	140	90	65	50	10	14.2 × 18	1058
0673	RS99B	500/660	400~600	6.1	203	152	95	64	50	10	10.5 × 18	1410
0674	RS99C	500/660	400~600	6.1	217	157	101	60	50	12	16.2 × 28	1420
0675	RS99D	500	800~1000	6.1	180	127	85	76	61	11.3	16.2 × 22	1786
0676	RS99E	700	800~1250	6.1	200	150	100	90	70	13	20.5 × 30	1920
0677	RS99F	700	400~600	6.1	180	129	72	64	51	9.5	13.5 × 18	1200
0678	RS99G	700	800~1000	6.1	195	150	95	75	61	10	13 × 18	1830
0679	RS99H	500	500~600	6.1	145	130	46	52	38	8	15 × 29	560
0680	RS99J	500	400~600	6.1	175	123	70	65	50	10	14.2 × 30	962
0681	RS99K	500	400~600	6.1	181	133	72	64	51	10	13 × 33	1023
0682	RS99L	500	400~600	6.1	175	125	71	65	50	10	14.2 × 33	1010

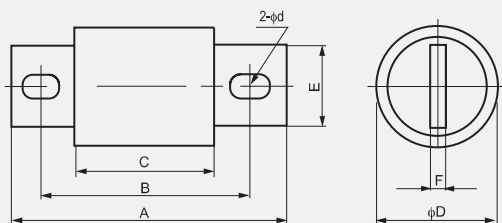


Figure 6.1

Table 6 (cont.)

Cat. No.	Models	Rated voltage (V)	Rated current (A)	Dimensions/size (mm)		Weight (g)
				Fig.		
0683	RS94B	500	40~100	See figure 6.2		55

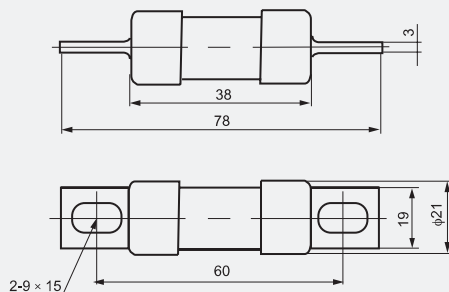


Figure 6.2

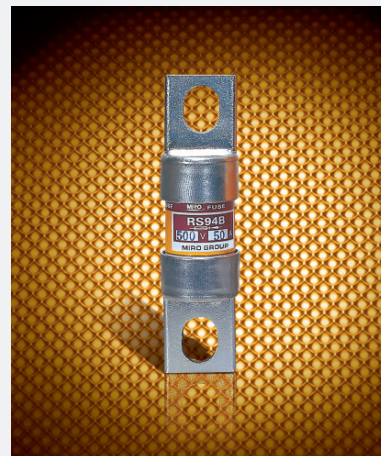


Table 6 (cont.)

Cat. No.	Models	Rated voltage (V)	Rated current (A)	Dimensions/size (mm) Fig.	Weight (g)
0684	RS99AP	700	1000	See figure 6.3	2100

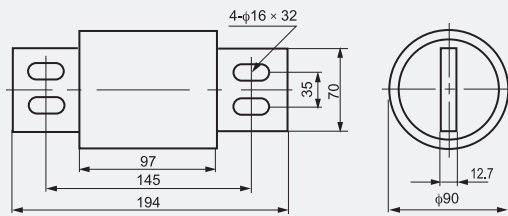
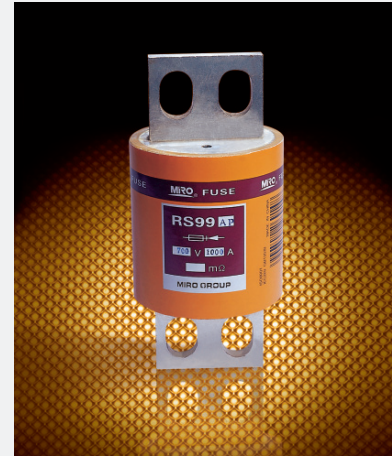


Figure 6.3



Low-Voltage Fuses
Fuse links



Table 6 (cont.)

Cat. No.	Models	Rated voltage (V)	Rated current (A)	Dimensions/size (mm) Fig.	Weight (g)
0685	RS99LK	1500	1200	See figure 6.4	996

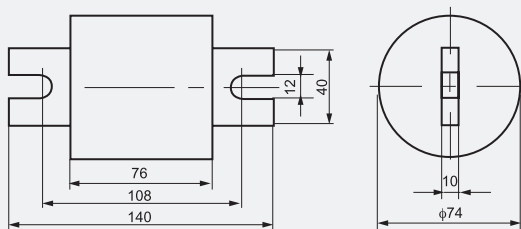


Figure 6.4



Table 6 (cont.)

Cat. No.	Models	Rated voltage (V)	Rated current (A)	Dimensions/size (mm) Fig.	Weight (g)
0686	RS97ML	1200	180	See figure 6.5	1127

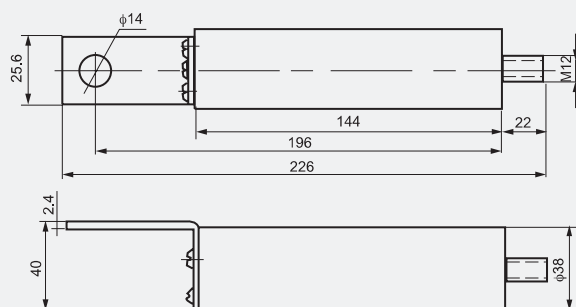


Figure 6.5



Table 6 (cont.)

Cat. No.	Models	Rated voltage (V)	Rated current (A)	Dimensions/size (mm) Fig.	Weight (g)
0687	RS99PX	500	1000	See figure 6.6	1652

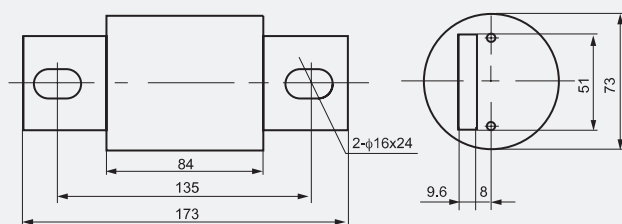
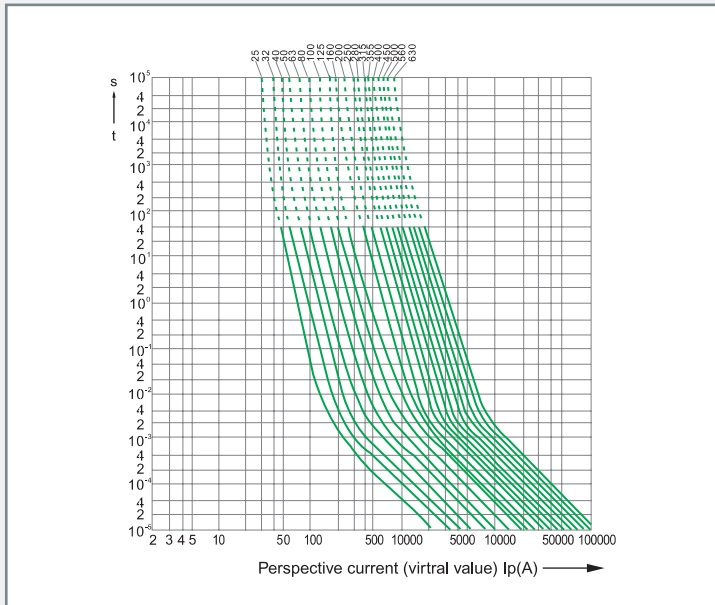


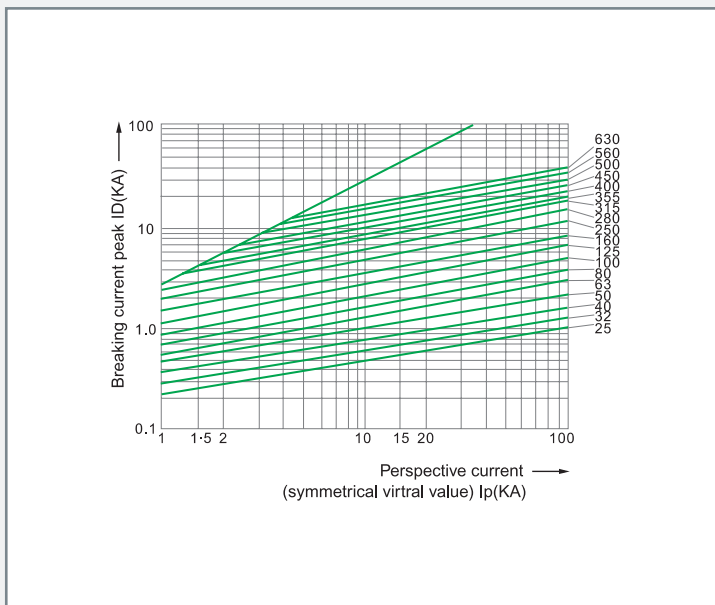
Figure 6.6



► Characteristics Curve



Time-current characteristics curve (fast) fuse links
for semiconductor protection



Breaking current characteristics curve of (fast) fuse
links for semiconductor protection

