

Square Pipe Fuse Links With Knife Contacts

REV. 1

▶ 用途

Protection against overload and short-circuit in electric lines(type gG),also available for protection of semiconductor parts and equipments against short-circuit(type aR) and protection of motors(type aM).

Rated voltage up to 1140V;Rated current up to 1250A;Working frequency 50Hz AC;Rated breaking capacity up to 120KA.Compliant with GB13539 and IEC269.

▶ 结构特点

Variable cross-section fuse element made from pure copper or silver sealed in cartridge made from high-duty ceramic.Fuse tube filled with chemically treated high-purity quartz sand as arc-extinguishing medium.Dot-welding of fuse element ends to the terminals ensures reliable electric connection and forms insert knife type contacts.Striker may be attached to the fuse link to provide immediate activation of microswitch to give various signals or cut the circuit automatically. Indicator or striker may be attached to the fuse link to show cutout of fuse or to give various signals and to cut the circuit automatically.



▶ basic data

The models,dimensions,ratings are shown in Figures 4.1~4.13and tables44.

熔断体型号、外形尺寸、额定电压、额定电流见图4.1~4.13及表44。



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Cat. No	Models				Rated voltage (V)	Rated current (A)	Dimensions/size(m)		weight (g)
	Cross-reference						Sizes	Fig.	
	gG(Normal)	aR(fast)	gG(Normal)	aR(fast)					
0401	NH00C	-	-	-	500/600	10~100	000	4.1	138

Cat. No	Models				Rated voltage (V)	Rated current (A)	Dimensions/size(mm)						weight (g)	
	Cross-reference						Sizes	Fig.	A	B	C	D		H
	gG(Normal)	aR(fast)	gG(Normal)	aR(fast)										
0402	NH00	RS31	-	-	500/660	100~160	00	4.2	78	50.5	15	30	60	201
0403	NH00	-	-	-	500/660	60~160	0	4.2	125	67	15	30	60	267

Cat. No	Models				Rated voltage (V)	Rated current (A)	Dimensions/size(mm)						weight (g)	
	Cross-reference						Sizes	Fig.	A	B	C	D		H
	gG(Normal)	aR(fast)	gG(Normal)	aR(fast)										
0404	NH1	RS32	-	-	500/660	32~50	1	4.3	135	67	20	46	58.5	447
0405	NH2	RS33	-	-	500/660	80~400	2	4.3	150	68	30	58.5	68.5	727
0406	NH3	RS34	-	-	500/660	160~630	3	4.3	150	65	36	70	82	975

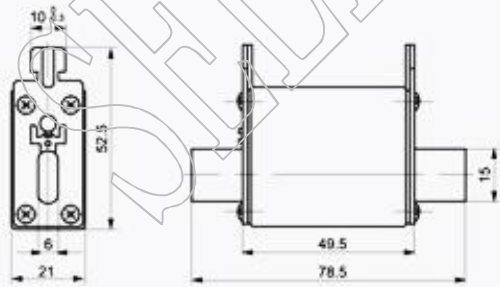


Figure 4.1

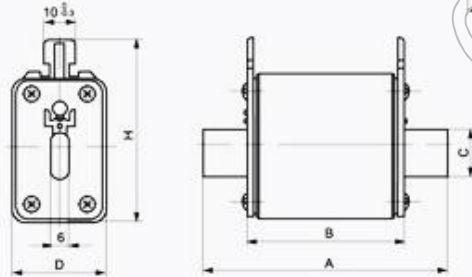


Figure 4.2

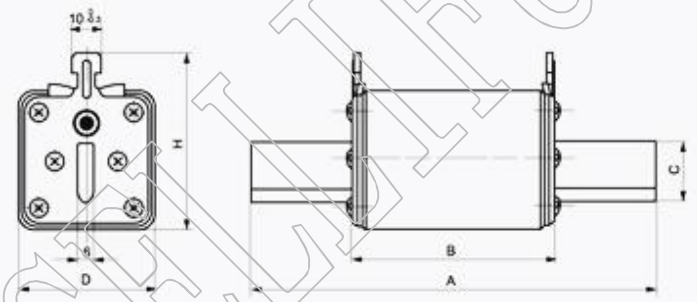


Figure 4.3



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Cat. No	Models				Rated voltage (V)	Rated current (A)	Dimensions/size(m)		weight (g)
			Cross-reference				Sizes	Fig.	
	gG(Normal)	aR(fast)	gG(Normal)	aR(fast)					
0407	NH1(小容量)	-	-	-	500/600	16~160	1	4.4	312



Cat. No	Models				Rated voltage (V)	Rated current (A)	Dimensions/size(mm)						weight (g)	
			Cross-reference				Siz es	Fig.	A	B	C	D		H
	gG(Normal)	aR(fast)	gG(Normal)	aR(fast)										
0408	NH1(小容量)	-	-	-	500/660	35~250	2	4.5	150	67	20	46	67	458
0409	NH1(小容量)	-	-	-	500/660	200~400	3	4.5	151	67	30	58.5	81.5	727



Cat. No	Models				Rated voltage (V)	Rated current (A)	Dimensions/size(mm)						weight (g)	
			Cross-reference				Siz es	Fig.	A	B	C	D		H
	gG(Normal)	aR(fast)	gG(Normal)	aR(fast)										
0410	RO30A	RS30A	NT00-C	-	500/660	4~100	000	4.6	78	49	15	21	48	123
0411	RO30B	RS30B	NT00-C	-	500/660	4~100	000	4.6	78	49	15	21	48	117
0412	RO30C	RS30C	3NA33NE18..	-	500/660	10~100	000	4.6	78	49	15	21	52.5	132
0413	RO31A	RS31A	PH00-	-	500/660	10~160	00	4.6	78	49	15	30	53	178.5
0414	RO31B	RS31B	NT03NE41..	-	500/1140	6~160	0	4.6	125	68	15	29	61.5	278
0415	RO31C	RS31C	NT1-	-	500	32~200	1	4.6	135	68	15	29	61.5	293.5

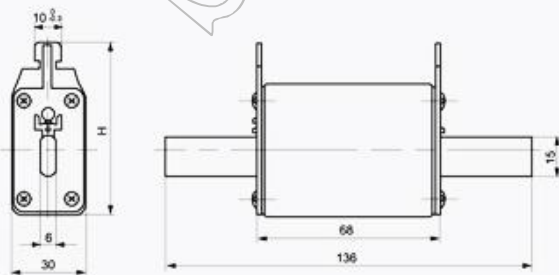


Figure 4.4

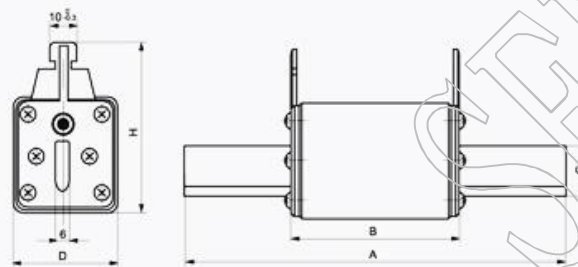


Figure 4.5

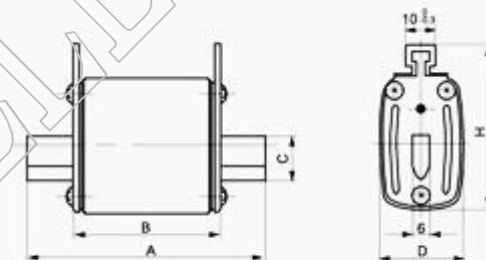


Figure 4.7



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Cat. No	Models				Rated voltage (V)	Rated current (A)	Size	Dimensions/size(mm)					weight (g)	
			Cross-reference					Fig.	A	B	C	D		H
	gG(Normal)	aR(fast)	gG(Normal)	aR(fast)										
0416	NT00	RS31	RT16-00	3NE80..	500/660	64~160	00	4.7	78	49	15	29	56	175
0417	NT0	-	RT16-0	-	500/660	64~160	0	4.7	125	68	15	29	56	252



Cat. No	Models				Rated voltage (V)	Rated current (A)	Size	Dimensions/size(mm)					weight (g)	
			Cross-reference					Fig.	A	B	C	D		H
	gG(Normal)	aR(fast)	gG(Normal)	aR(fast)										
0418	RO32	RS32	NT1 3NA1 RT20-1	RT16-13NE12..	500/660	32~250	1	4.8	135	68	20	48	60	455
0419	RO32A	RS32A	-	-	1140	200	-	4.8	172	110	19.5	44	58	570
0420	RO32B	RS32B	NT1 RT16-1	-	500	250	1	4.8	135	68	20	40	68	393
0421	RO33	RS33	NT2 3NA1 RT20-2	RT16-23NE13..	500/600	80~400	2	4.8	150	68	25	58	70	650
0422	RO33B	RS33B	RT16-2	-	500	40	2	4.8	150	68	25	52	71	580
0423	RO34	RS34	NT3 3NA3 RT20-3	RT16-33NE14..	500/600	160~630	3	4.8	150	68	32	67	80	880
0424	RO35	RS35	-	-	500	6~160	-	4.8	135	68	20	30	53	249
0425	RO36	RS36	EAPO	-	500	32~200	1	4.8	135	68	20	40	59	356
0426	RO39A	RS39a	NT4a	-	380/500	500~1250	4a	4.8	200	90	50	97	113	2140

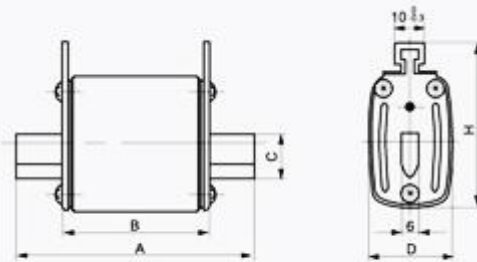


Figure 4.7

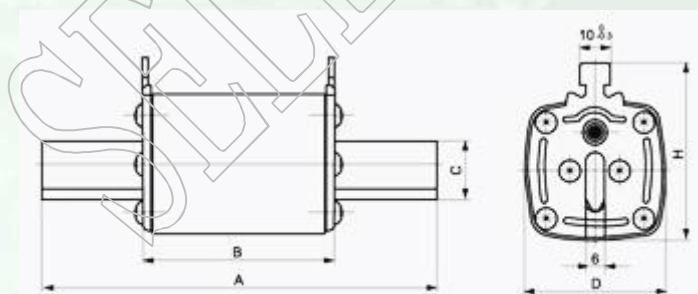


Figure 4.8



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Cat. No	Models				Rated voltage (V)	Rated current (A)	Dimensions/size(mm)								weight (g)		
	Cross-reference						Size	Fig.	A	B	C	D	G	E		F	H
	gG(Normal)	aR(fast)	gG(Normal)	aR(fast)													
0427	RO34K	RS34K	-	3NC8	500/660	150~630	4	4.9	140	68	32	70	6	108	10.5	35	810
0428	RO38	RS38	-	3NC3626	-	200~630	-	4.9	160	86	32	70	6	126	11	31.5	1050
0429	RO39	RS39	NT4RT17	-	500	500~1250	4	4.9	200	90	50	97	8	150	16.5	113	2470
0427	RO39B	RS39B	NT4BRT17	-	500	500~1000	4	4.9	200	79	50	87.5	8	150	17	114.5	2100

Note: the joint holes of two-horizontal type is allowed to be changed to one horizontal one straight type or two straight type

Cat. No	Models				Rated voltage (V)	Rated current (A)	Dimensions/size(mm)		weight (g)
	Cross-reference						Sizes	Fig.	
	gG(Normal)	aR(fast)	gG(Normal)	aR(fast)					
0431	RO34A	RS34A	8SY5023	-	1140	450	-	4.10	1066

Cat. No	Models				Rated voltage (V)	Rated current (A)	Dimensions/size(mm)										weight (g)
	Cross-reference						Size	Fig.	A	B	C	D	E	F	G	H	
	gG(Normal)	aR(fast)	gG(Normal)	aR(fast)													
0432	RO31Z	RS31Z	RT16A-00	-	500/660	35~125	0	4.11	78	49	15	29	15	22.5	-	59.5	183
0433	RO32Z	RS32Z	RT16A-1	-	500/660	200~250	1	4.11	135	68	20	48	25	14.5	16	60	390
0434	RO33Z	RS33Z	RT16A-2	-	500/660	315~400	2	4.11	150	68	25	58	30	14.5	19	70	683
0435	RO34Z	RS34Z	RT16A-3	-	500/660	500~630	3	4.11	150	68	32	67	30	14.5	19	82	980
0436	NTA-1	-	-	-	500/660	200~250	1	4.11	135	68	20	58	8	26.5	-	60	380
0437	NTA-2	-	-	-	500/660	315~400	2	4.11	150	68	25	58	8	32	-	70	673
0438	NTA-3	-	-	-	500/660	500~630	3	4.11	150	68	32	67	8	40	-	82	970
0439	RO36Z	RS36Z	-	-	500/660	125~160	-	4.11	135	68	20	40	25	20	11.5	61	369

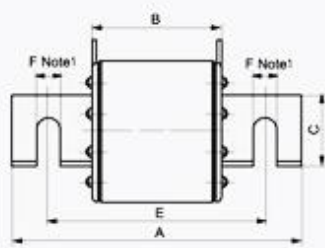


Figure 4.9

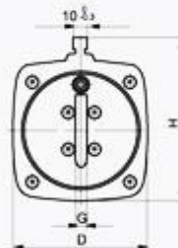


Figure 4.10

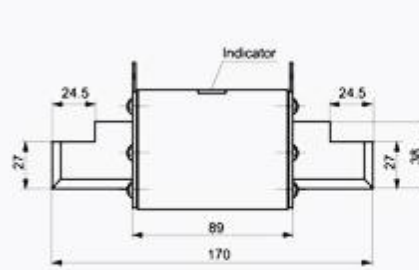
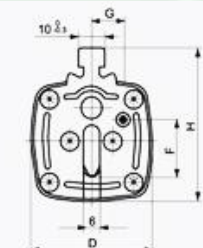
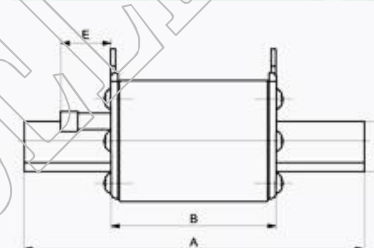
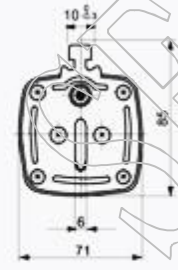


Figure 4.11



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Cat. No	Models				Rated voltage (V)	Rated current (A)	Dimensions/size(mm)										weight (g)
			Cross-reference				Size	Fig.	A	B	C	D	E	F	G	H	
	gG(Normal)	aR(fast)	gG(Normal)	aR(fast)													
0440	RO32BZ	RS32BZ	-	HLS1	500	125~250	1	4.12	135	68	20	50.5	9	24.5	26	28	380
0441	RO33BZ	RS33BZ	-	HLS2	500	250~400	2	4.12	150	68	25	66.5	9	29	35	71	675



Cat. No	Models				Rated voltage (V)	Rated current (A)	Dimensions/size(mm)						weight (g)	
			Cross-reference				Size	Fig.	A	B	C	D		H
	gG(Normal)	aR(fast)	gG(Normal)	aR(fast)										
0442	RTO-50	-	-	-	380	10~50	-	4.13	103	66	10.3	25	52	189.5
0443	RTO-100	-	-	-	380	20~100	-	4.13	125	67	18	40	52	313
0444	RTO-200	-	-	-	380	50~200	-	4.13	135	67	23	46	58	404.5
0445	RTO-400	-	-	-	380	160~400	-	4.13	145	67	30	55	66	601
0446	RTO-600	-	-	-	380	250~600	-	4.13	165	67	36	66	77	855
0447	RTO-1000	-	-	-	380	500~1000	-	4.13	280	90	50	85	100	2050

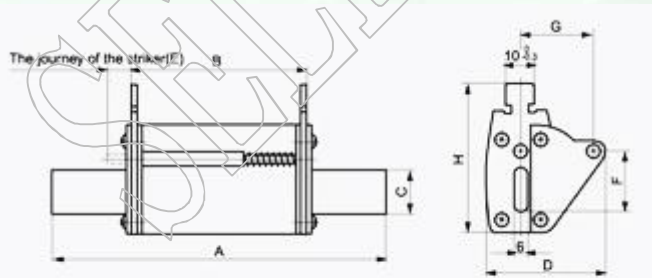


Figure 4.12

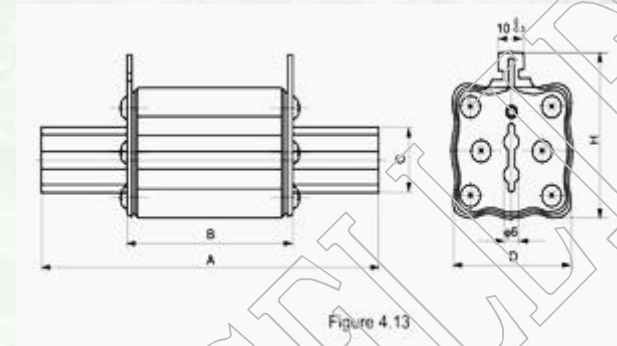
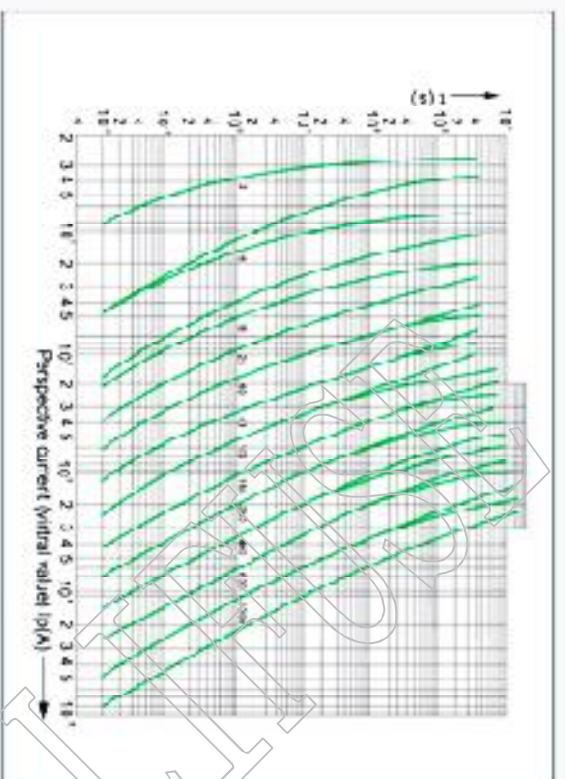


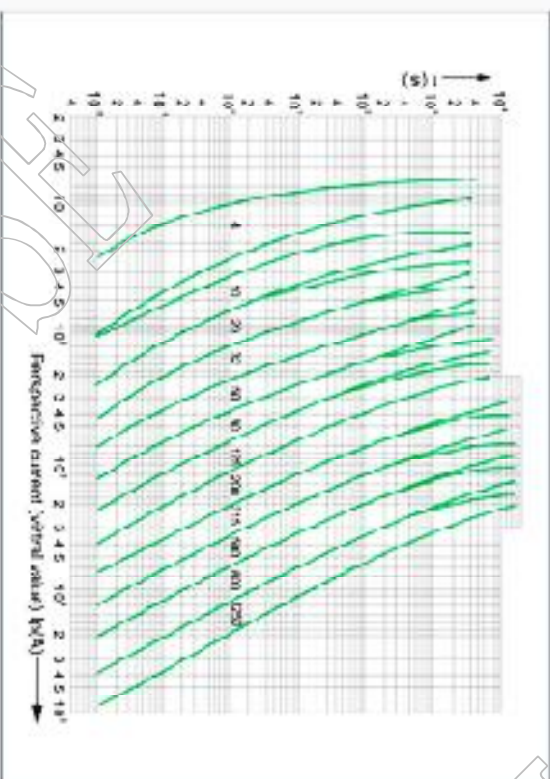
Figure 4.13



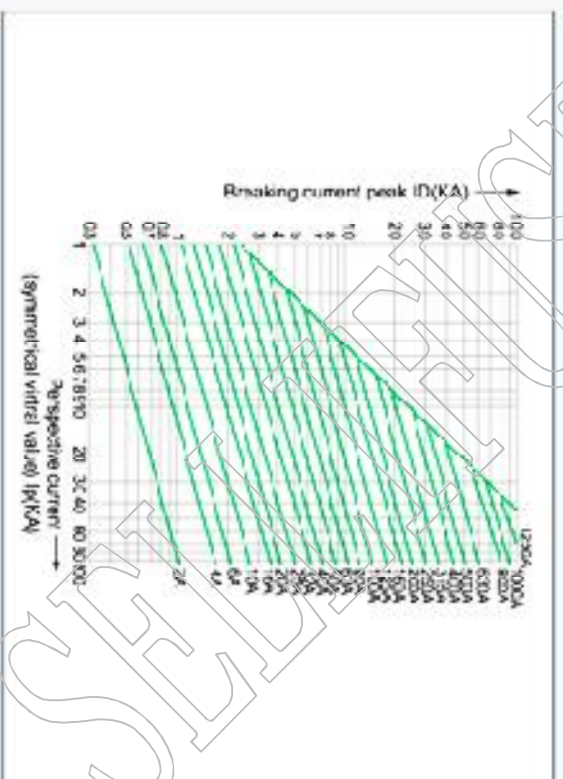
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Time-current range of "15" fuse links



Time-current range of "9C" fuse links



Breaking current characteristics curve of "9C" fuse links



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