

Low Voltage H.R.C Fuse links



Applications

This series of fuse links is mainly used in AC 50Hz, rated voltage up to 1140V, rated current up to 1250A and for protecting electric equipment from overload and short-circuit. It can reliably break the min. fusion current to any current within 120KA.

It is also available for the protection of semiconductor parts and equipments against short-circuit (type aR) and protection of motors (type M).

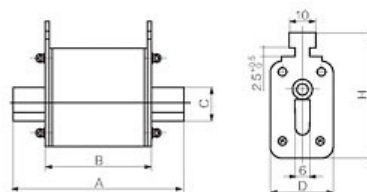
This series of fuse links conforms to GB13539 and IEC60269.

Design Features

It adopts the material with high quality. The arc-extinguishing medium is quartz sand and fuse tube is high strength ceramic. The advanced manufacturing craft work ensures the performance of small power waste, stable characteristic for the product. The outline structure and installation dimension joints the advanced similar products from domestic and abroad.

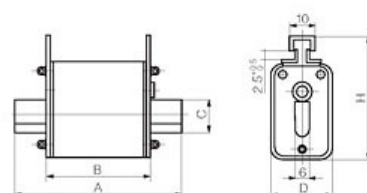
Basic Data

The model, outline dimension, rated voltage and rated current are shown in Figures 1.1~1.15 and Table.



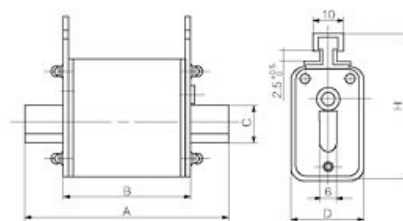
Drawing 1.1

No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)				
	The company		Domestic and oversea similar products						A	B	C	D	H
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)									
0101	RT16-000	—	NT00C NH00C	—	500/690	4~100	150	1.1	78.5	49	15	21	52.5
0102	RO30A	RS30A	NH00C	—	500/690	4~100	123	1.1	78	49	15	21	48
0103	RO30B	RS30B	NH00C	—	500/690	4~100	117	1.1	78	49	15	21	48
0104	RO30C	RS30C	NH00C 3NA3	—	500/690	10~100	132	1.1	78	49	15	21	52.5



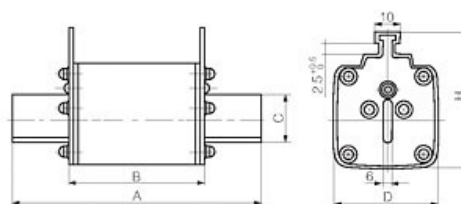
Drawing 1.2

No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)				
	The company		Domestic and oversea similar products						A	B	C	D	H
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)									
0105	RT16-00	—	NT00 NH00	—	500/690	4~160	150	1.2	78	49	15	29	56.5
0106	RO31	RS31	RT20-00 3NA	HLS00	500/690	4~160	176.5	1.2	78	49	15	28	59
0107	RO31A	RS31A	NH00 PH00	—	500	10~160	178.5	1.2	78	49	15	30	53



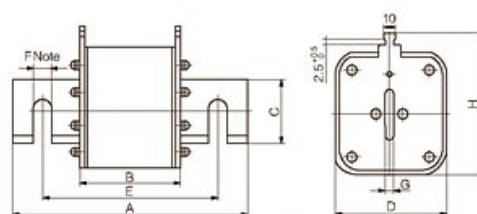
Drawing 1.3

No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)				
	The company		Domestic and oversea similar products										
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)					A	B	C	D	H
0108	RT16-0	-	NT0 NH0	-	500/690	4~100	150	1.3	78.5	49	15	21	52.5
0109	RO31B	RS31B	RT20-0	-	500/690	4~100	123	1.3	78	49	15	21	48



Drawing 1.4

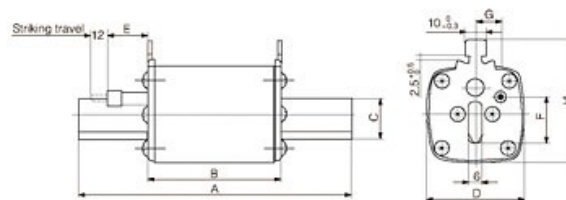
No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)				
	The company		Domestic and oversea similar products										
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)					A	B	C	D	H
0110	RT16-1	-	NT1 NH1	-	500/690	32~250	360	1.4	135	68	21	48	62
0111	RT16-2	-	NT2 NH2	-	500/690	80~400	650	1.4	150	68	27	58	72
0112	RT16-3	-	NT3 NH3	-	500/690	160~630	850	1.4	150	68	33	67	84.5
0113	RO31C	RS31C	3NA3 NH1	-	500	32~200	293.5	1.4	135	68	20	29	61.5
0114	RO32	RS32	NT1 NH1 3NA1	-	500/690	36~250	455	1.4	135	68	20	48	60
0115	RO32A	RS32A	-	-	1140	200	570	1.4	172	110	19.5	44	58
0116	RO32B	RS32B	NH1	-	500	250	393	1.4	135	68	20	40	68
0117	RO35	RS35	NH1	-	500	6~160	249	1.4	135	68	20	30	53
0118	RO36	RS36	NH1	-	500	32~200	356	1.4	135	68	20	40	59
0119	RO33	RS33	RT20-2 3NA1	-	500/690	80~400	650	1.4	150	68	25	58	70
0120	RO33B	RS33B	NH2	-	500	400	580	1.4	150	68	25	52	71
0121	RO34	RS34	RT20-3	3NC2-4	500/600	160~630	880	1.4	150	68	32	67	80
0122	RO39A	RS39A	NT4	-	380/500	500/1250	2140	1.4	200	90	50	97	113



Drawing 1.5

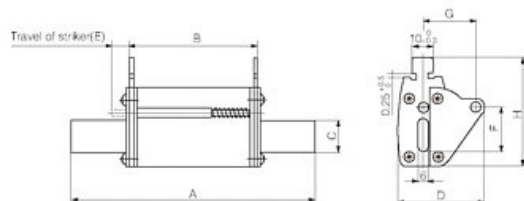
No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)							
	The company		Domestic and oversea similar products													
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)					A	B	C	D	E	F	G	H
0123	RO34K	RS34K	-	3NC8	500/660	150~630	810	1.5	140	68	68	70	108	10.5	6	85
0124	RO38	RS38	-	3NE3626	500	200~630	1050	1.5	160	86	86	70	126	11	6	81.5
0125	RO39	RS39	NT4 RT17	-	500	500~1250	2470	1.5	200	90	90	97	150	16.3	8	113
0126	RO39B	RS39B	NT4 RT17	-	500	500~1000	2100	1.5	200	79	79	87.5	150	17	8	114.5

Note: It is allowable to change the double-transverse type wiring hole into one-transverse one-straight or double-straight type structure



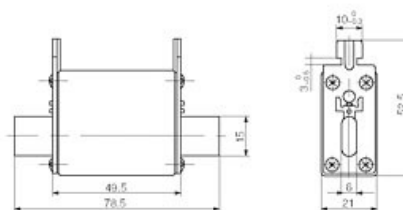
Drawing 1.6

No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)							
	The company		Domestic and oversea similar products													
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)					A	B	C	D	E	F	G	H
0127	RT16A00 R031Z	RS31Z	NTAOO NH00	—	500/690	35~125	183	1.6	78	49	15	29	15	22.5	—	59.5
0128	RT16A-1 R032Z	RS32Z	NTA-1 NH1	—	500/690	200~250	390	1.6	135	68	20	48	25	14.5	16	60
0129	RT16A-2 R033Z	RS33Z	NTA-2 NH2	—	500/690	315~400	683	1.6	150	68	25	58	30	14.5	19	70
0130	RT16A-3 R034Z	RS34Z	NTA-3 NH3	—	500/690	500~630	880	1.6	150	68	32	67	30	14.5	19	82
0131	NTA-1	—	NH1	—	500/690	200~250	380	1.6	135	68	20	48	8	26.5	—	60
0132	NTA-2	—	NH2	—	500/690	315~400	673	1.6	150	68	25	58	8	32	—	70
0133	NTA-3	—	NH3	—	500/690	500~630	870	1.6	150	68	32	67	8	40	—	82
0134	R036Z	RS36Z	—	—	500/690	125~160	369	1.6	135	68	20	40	25	20	11.5	61



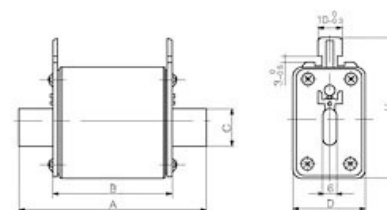
Drawing 1.7

No	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)							
	The company		Domestic and oversea similar products													
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)					A	B	C	D	E	F	G	H
0135	RO32BZ	RS32BZ	NH1	HLS1	500	125~250	380	1.7	135	68	20	50.5	99	24.5	26	68
0136	RO33BZ	RS33BZ	NH2	HLS2	500	250~400	675	1.7	150	68	25	66.5	25	29	35	71



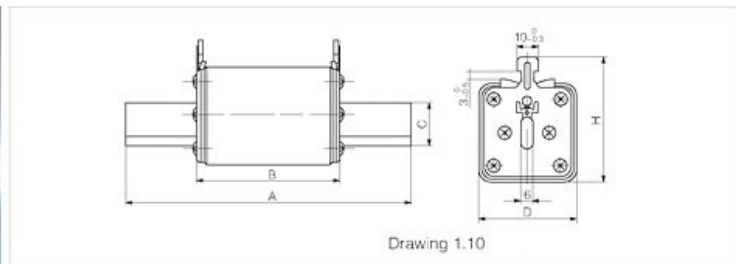
Drawing 1.8

No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)
	The company		Domestic and oversea similar products						
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)					
0137	NH00C	—	—	—	500/660	4~100	132	1.8	Refer to drawing 1.8 for detailed data

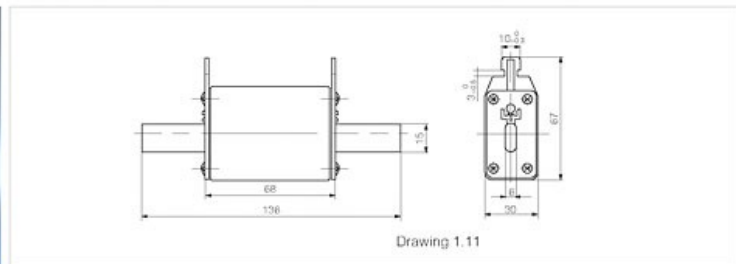


Drawing 1.9

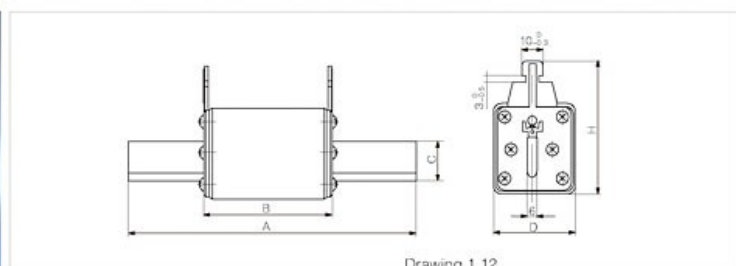
No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)				
	The company		Domestic and oversea similar products										
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)					A	B	C	D	H
0138	NH00	RS31	—	—	500/660	10~160	180	1.9	78	50.5	15	30	60
0139	NH0	—	—	—	500/660	6~160	267	1.9	125	67	15	30	60



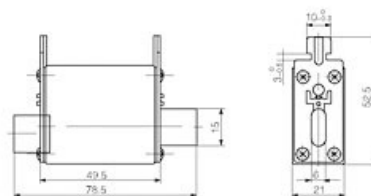
No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)				
	The company		Domestic and oversea similar products						A	B	C	D	H
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)									
0140	NH1	RS32	—	—	500/660	32~250	447	1.10	135	67	20	46	58.5
0141	NH2	RS33	—	—	500/660	80~400	727	1.10	150	68	30	58.5	68.5
0142	NH3	RS34	—	—	500/660	160~630	975	1.10	150	68	36	70	82



No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)
	The company		Domestic and oversea similar products						
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)					
0143	(Small capacity)	-	-	-	500/660	16~160	300	1.11	Refer to drawing 1.11 for detailed data

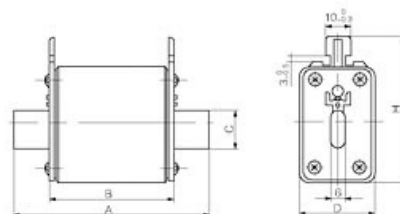


No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)				
	The company		Domestic and oversea similar products						A	B	C	D	H
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)									
0144	(Small capacity)	—	—	—	500/660	35~250	450	1.12	150	67	20	46	67
0145	(Small capacity)	—	—	—	500/660	200~400	727	1.12	151	67	30	58.5	81.5



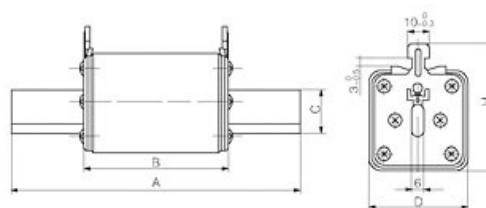
Drawing 1.13

No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)
	The company		Domestic and oversea similar products						
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)					
0146	NH000S	—	—	—	500/660	4~100	132	1.13	Refer to drawing 1.16for detailed data



Drawing 1.14

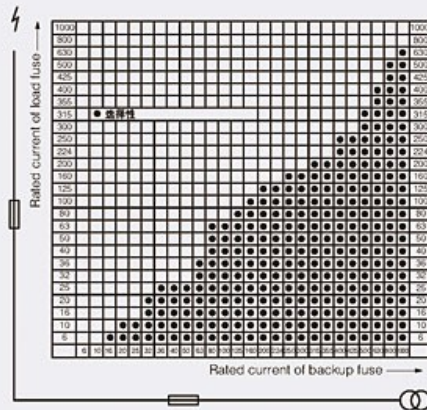
No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)				
	The company		Domestic and oversea similar products										
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)					A	B	C	D	H
0147	NH00S	—	—	—	500/690	10~160	180	1.14	78	50.5	15	30	60
0148	NH0S	—	—	—	500/690	6~160	267	1.14	125	67	15	30	60



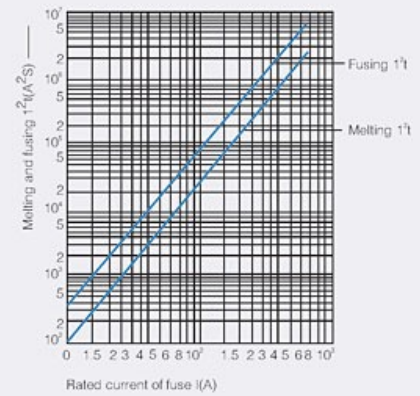
Drawing 1.15

No .	Model of fuse link				Rated voltage (V)	Rated current (A)	Weight (g)	Drawing No .	Overall dimension (mm)				
	The company		Domestic and oversea similar products										
	General (gG)	Quick speed(aR)	General (gG)	Quick speed(aR)					A	B	C	D	H
0149	NH1S	—	—	—	500/660	32~250	447	1.15	135	67	20	40	64
0150	NH2S	—	—	—	500/660	80~400	727	1.15	150	68	30	54	74
0151	NH3S	—	—	—	500/660	160~630	975	1.15	150	68	36	70	88

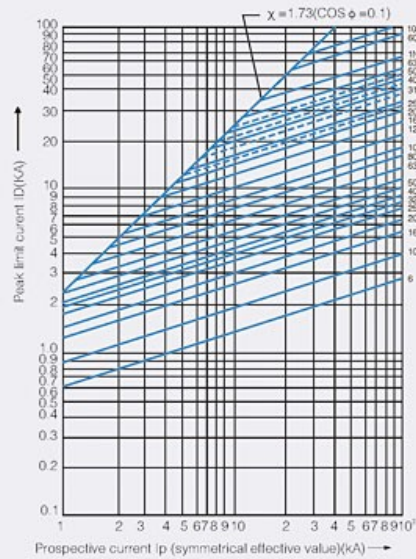
□ Characteristic Curve



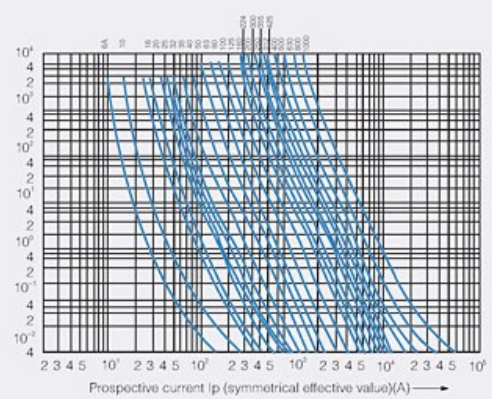
Interstage cooperation of fuses of various rated current levels



1^2t value of fuse at AC voltage 500V and current 100KA



Characteristic curve of limit current
(*means nonstandard rated current)



RT16 type 6-1000A time-current characteristic curve