

Technical data on page 52

aR

 RATED VOLTAGE
 ~240V

Technical data:

 Standards:
 BS88: Part 4
 IEC 60269-4

 Breaking capacity:
 ~100kA / = 100kA
 Rated voltage:
 ~240V / = 120V

Application:

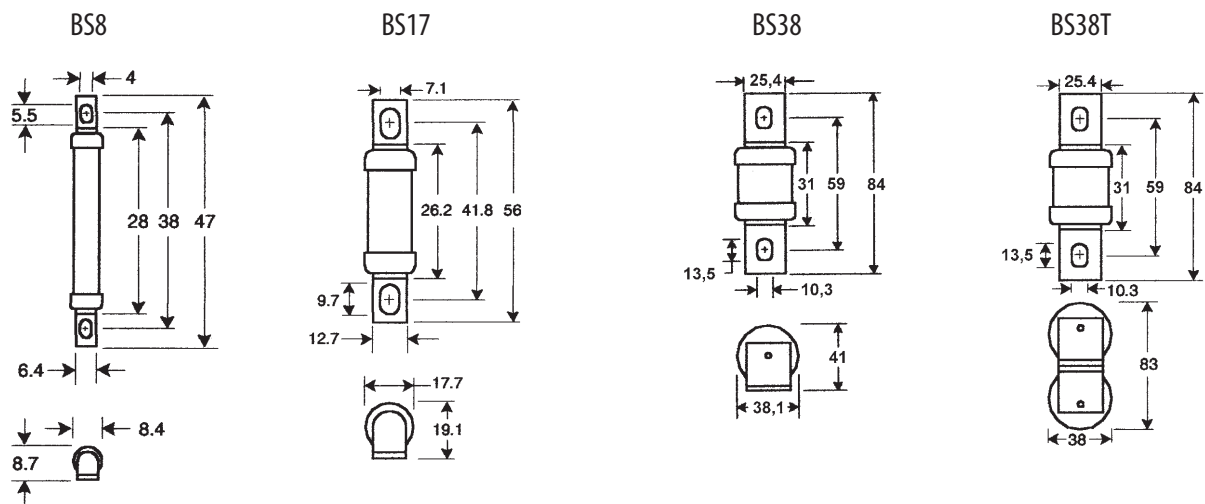
Fuse-links of system BS are mounted by screws to busbars.

Size	In (A)	Type	Code No.	Operating I ² t-value (A ² s)	Power dissipation (W)	Char.	Packaging (pcs)	Weight (g)
BS8	6	BS8UQ/38/6A/240V	004750001	9	1	aR	10	5.5
	10	BS8UQ/38/10A/240V	004750002	22	2,5	aR	10	5.5
	12	BS8UQ/38/12A/240V	004750003	32	2,5	aR	10	5.5
	16	BS8UQ/38/16A/240V	004750004	100	2,5	aR	10	5.5
	20	BS8UQ/38/20A/240V	004750005	160	4	aR	10	5.5
BS17	25	BS17UQ/41/25A/240V	004750106	240	1,7	aR	10	31
	32	BS17UQ/41/32A/240V	004750108	420	2,2	aR	10	31
	35	BS17UQ/41/35A/240V	004750109	500	2,3	aR	10	31
	50	BS17UQ/41/50A/240V	004750112	1.200	3,3	aR	10	31
	63	BS17UQ/41/63A/240V	004750115	1.900	4,3	aR	10	31
	80	BS17UQ/41/80A/240V	004750119	3.100	6	aR	10	31
	100	BS17UQ/41/100A/240V	004750122	5.000	7,5	aR	10	31
	125	BS17UQ/41/125A/240V	004750125	5.500	12	aR	10	31
	160	BS17UQ/41/160A/240V	004750128	6.500	19,5	aR	10	31
	180	BS17UQ/41/180A/240V	004750131	8.700	24	aR	10	31
BS38	160	BS38UQ/59/160A/240V	004750227	12.500	12	aR	10	180
	200	BS38UQ/59/200A/240V	004750233	18.500	16,5	aR	10	180
	250	BS38UQ/59/250A/240V	004750236	27.500	20	aR	10	180
	315	BS38UQ/59/315A/240V	004750239	42.500	28,4	aR	10	180
	355	BS38UQ/59/355A/240V	004750242	67.000	30	aR	10	180
	400	BS38UQ/59/400A/240V	004750244	78.000	37	aR	10	180
	450	BS38UQ/59/450A/240V	004750245	96.000	44,5	aR	10	180
BS38T	400	BS38TUQ/59/400A/240V	004750344	88.000	30	aR	5	370
	500	BS38TUQ/59/500A/240V	004750346	145.000	38	aR	5	370
	630	BS38TUQ/59/630A/240V	004750349	214.000	50	aR	5	370
	710	BS38TUQ/59/710A/240V	004750352	290.000	62	aR	5	370
	800	BS38TUQ/59/800A/240V	004750353	335.000	78	aR	5	370

Note: brand name Italtweber



ULTRA QUICK

Dimensions:


aR

RATED VOLTAGE
~690V

Technical data:			Application:
Standards: BS88: Part 4 IEC 60269-4	Breaking capacity: ~100kA / =100kA Rated voltage: ~690V / =350V		Fuse-links of system BS are mounted by screws to busbars.

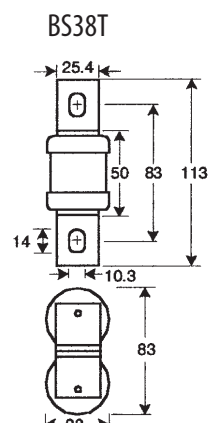
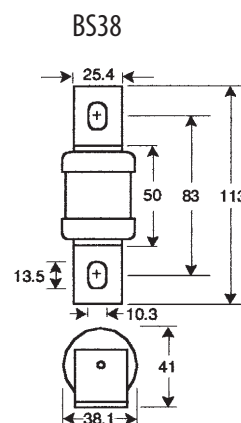
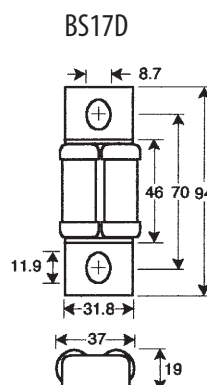
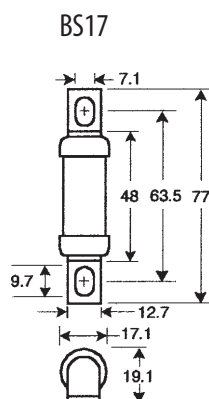
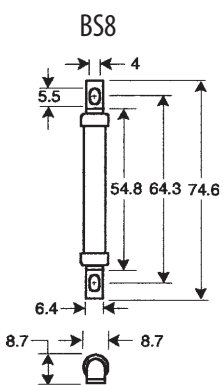
ULTRA QUICK



Size	In (A)	Type	Code No.	Operating I ^t -value (A ² s)	Power dissipation (W)	Char.	Packaging (pcs)	Weight (g)
BS8	6	BS8UQ/64/6A/690V	004750501	12	2	aR	10	8
	10	BS8UQ/64/10A/690V	004750502	48	3	aR	10	8
	12	BS8UQ/64/12A/690V	004750503	65	3	aR	10	8
	16	BS8UQ/64/16A/690V	004750504	110	7	aR	10	8
	20	BS8UQ/64/20A/690V	004750505	220	7	aR	10	8
BS17	25	BS17UQ/63/25A/690V	004750606	250	5,8	aR	10	42
	32	BS17UQ/63/32A/690V	004750608	350	6,8	aR	10	42
	35	BS17UQ/63/35A/690V	004750609	200	7,2	aR	10	42
	40	BS17UQ/63/40A/690V	004750610	700	8	aR	10	42
	45	BS17UQ/63/45A/690V	004750611	900	8,5	aR	10	42
	50	BS17UQ/63/50A/690V	004750612	1.300	9,5	aR	10	42
	56	BS17UQ/63/56A/690V	004750613	1.450	10,4	aR	10	42
	63	BS17UQ/63/63A/690V	004750615	2.100	11,5	aR	10	42
	71	BS17UQ/63/71A/690V	004750617	2.800	13	aR	10	42
	80	BS17UQ/63/80A/690V	004750619	3.500	14,5	aR	10	42
BS17D	90	BS17DUQ/70/90A/690V	004750721	3.600	16,6	aR	5	90
	110	BS17DUQ/70/110A/690V	004750723	5.900	21	aR	5	90
	120	BS17DUQ/70/120A/690V	004750724	7.400	22	aR	5	90
	140	BS17DUQ/70/140A/690V	004750726	11.000	24,5	aR	5	90
	160	BS17DUQ/70/160A/690V	004750728	14.500	28	aR	5	90
BS38	160	BS38UQ/83/160A/690V	004750628	14.500	27,7	aR	5	240
	180	BS38UQ/83/180A/690V	004750631	23.000	29	aR	5	240
	200	BS38UQ/83/200A/690V	004750633	30.000	31	aR	5	240
	250	BS38UQ/83/250A/690V	004750636	53.000	37	aR	5	240
	315	BS38UQ/83/315A/690V	004750640	97.000	47	aR	5	240
	350	BS38UQ/83/350A/690V	004750642	140.000	57	aR	5	240
BS38T	200	BS38TUQ/83/200A/690V	004750933	21.000	32	aR	5	450
	225	BS38TUQ/83/225A/690V	004750935	30.000	39	aR	5	450
	315	BS38TUQ/83/315A/690V	004750939	75.000	48	aR	5	450
	355	BS38TUQ/83/355A/690V	004750943	110.000	56	aR	5	450
	400	BS38TUQ/83/400A/690V	004750944	147.000	60	aR	5	450
	450	BS38TUQ/83/450A/690V	004750945	210.000	65	aR	5	450
	500	BS38TUQ/83/500A/690V	004750946	277.000	68	aR	5	450
	630	BS38TUQ/83/630A/690V	004750950	520.000	83	aR	5	450
700	BS38TUQ/83/700A/690V	004750952	600.000	94	aR	5	450	

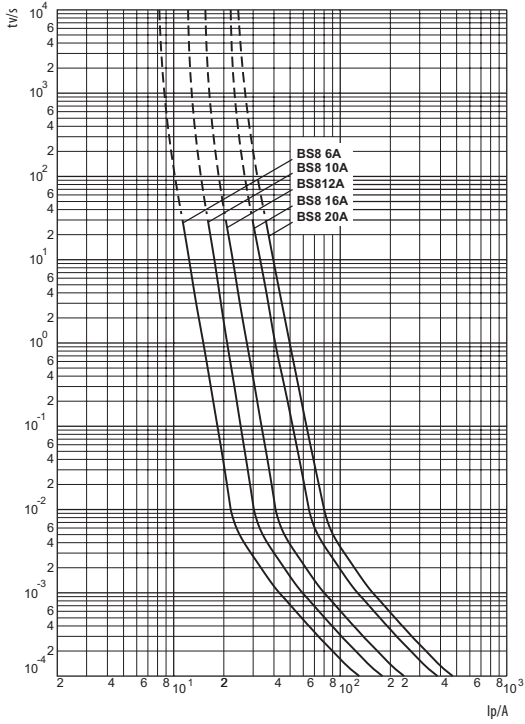
Note: brand name Italtelweber

Dimensions:

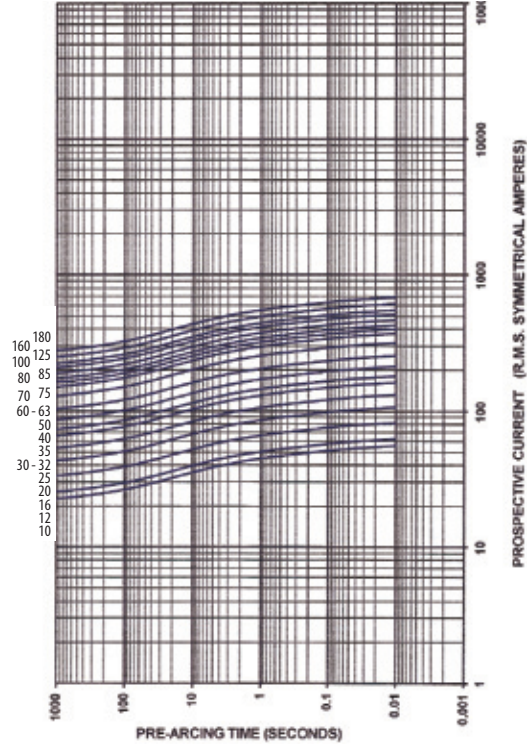


RATED VOLTAGE
~240V

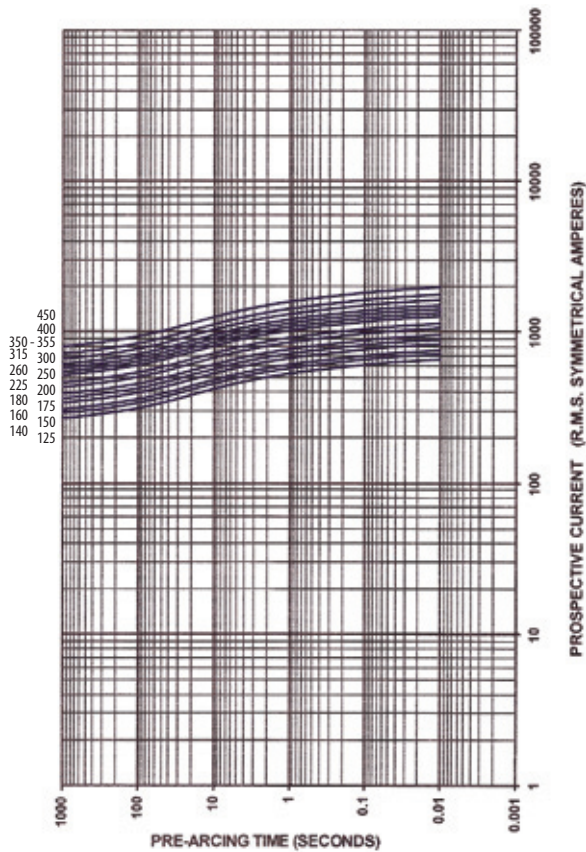
Time/current characteristics of fuse-links Ultra Quick BS8



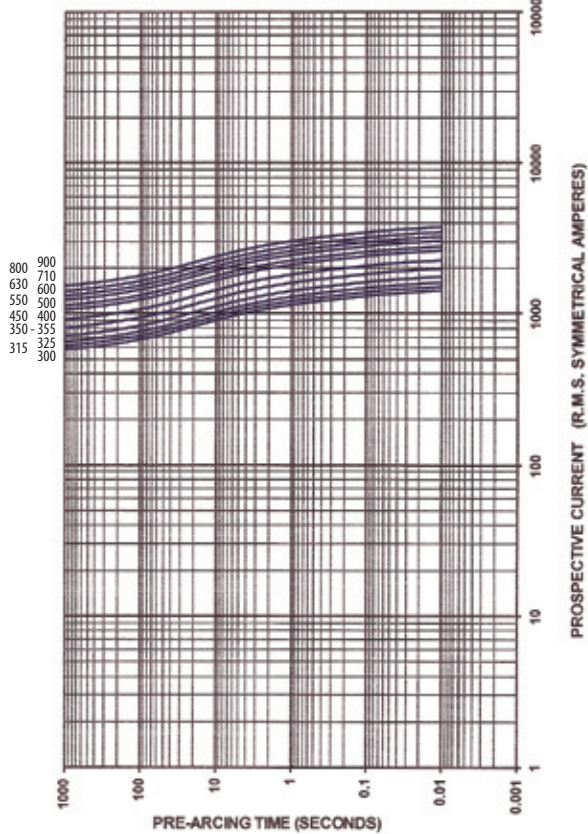
Time/current characteristics of fuse-links Ultra Quick BS17



Time/current characteristics of fuse-links Ultra Quick BS38

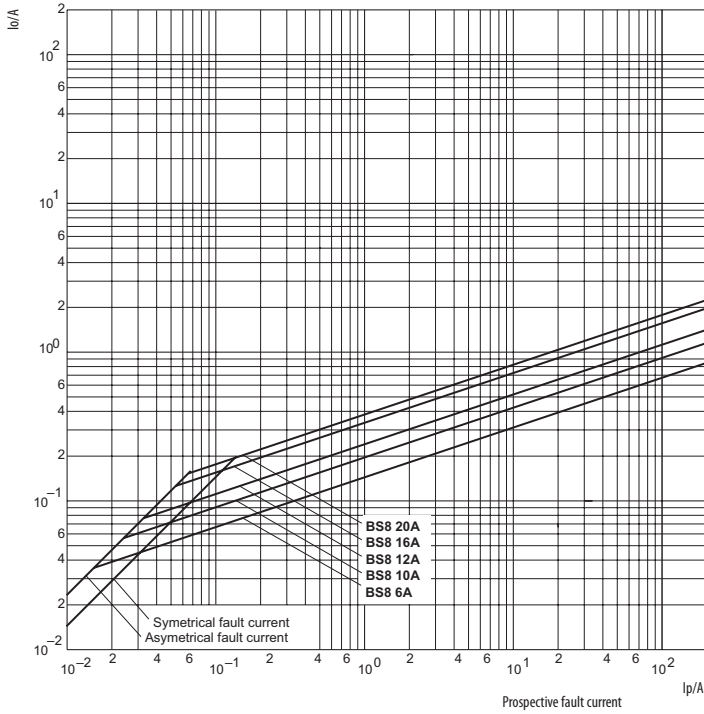


Time/current characteristics of fuse-links Ultra Quick BS38T

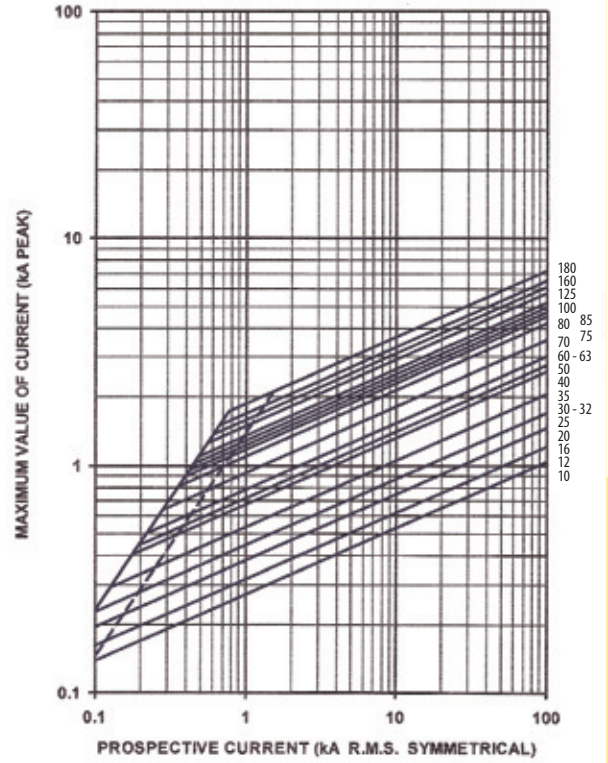


RATED VOLTAGE
~240V

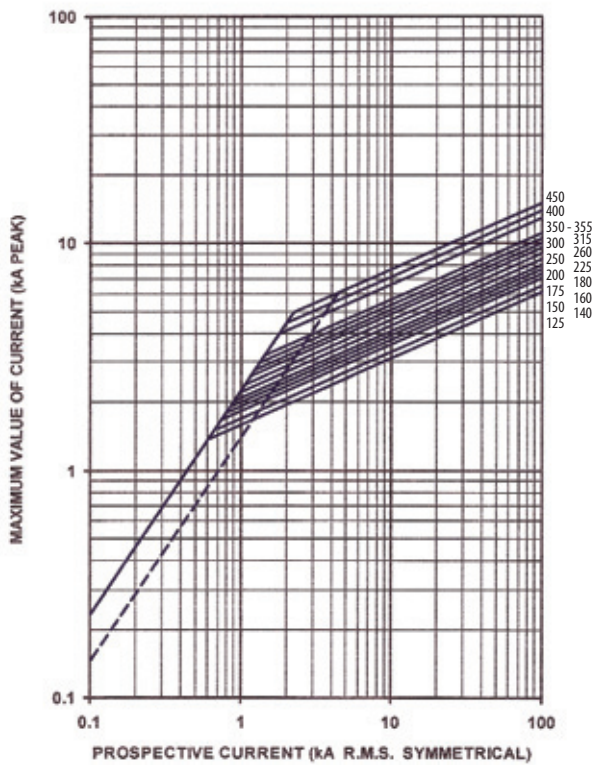
Cut-off characteristics of fuse-link Ultra Quick BS8



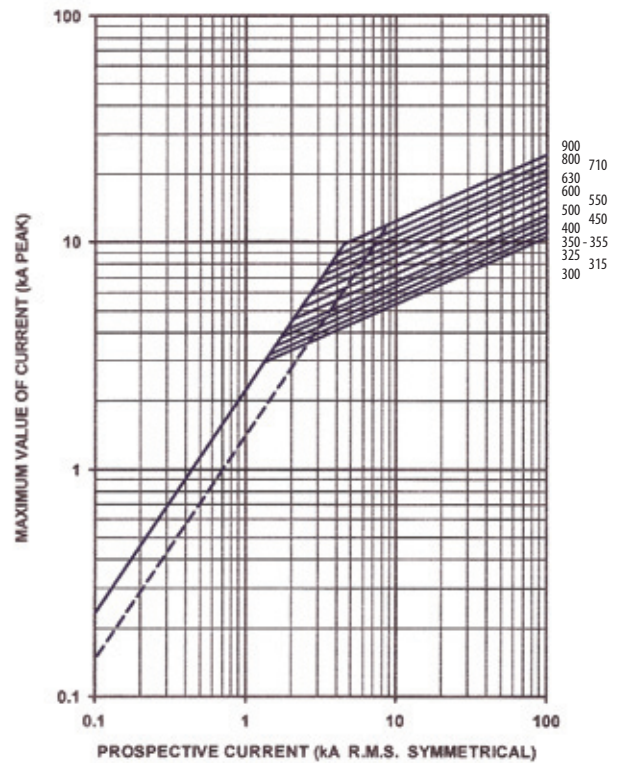
Cut-off characteristics of fuse-link Ultra Quick BS17



Cut-off characteristics of fuse-link Ultra Quick BS38

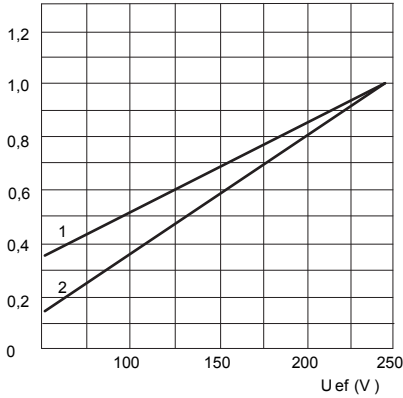


Cut-off characteristics of fuse-link Ultra Quick BS38T



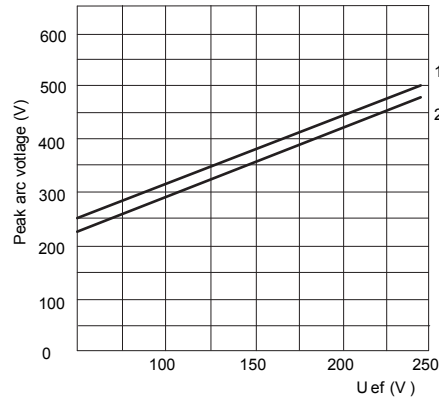
RATED VOLTAGE
~240V

Conversion factor for total Joule integral



- 1) BS8
- 2) BS17, 38, 38T

Maximum arc voltage occurring



- 1) BS8
- 2) BS17, 38, 38T

Power dissipation, pre-arcing Joule Integral and Operating Joule Integral for Ultra Quick BS8, BS17, BS38, BS38T

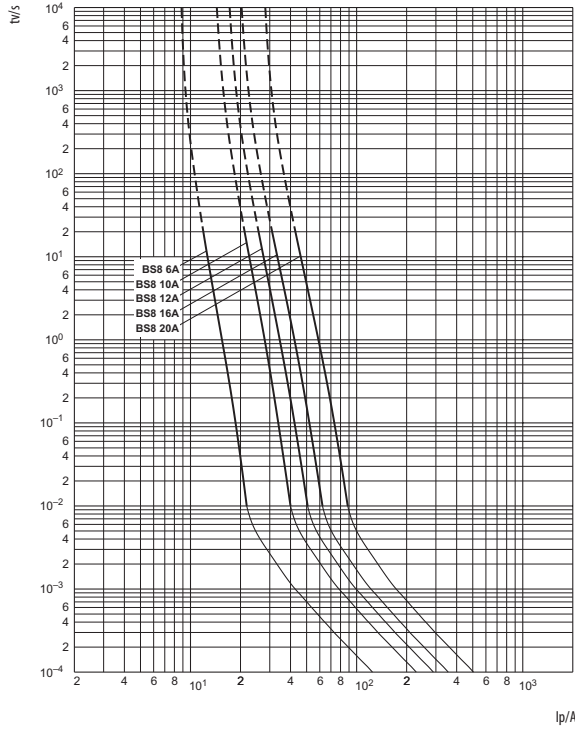
Size	I _n	Power dissipation	Pre-arcing Joule integral I _t (1ms)	Operating Joule Integral I _t ~120V	Operating Joule Integral I _t ~240V
	A	W	A ² s	A ² s	A ² s
BS8	6	1	2	6	9
	10	2,5	3,8	12	22
	12	2,5	7	22	32
	16	2,5	20	50	100
	20	4	25	80	160
BS17	25	1,7	18	120	240
	32	2,2	32	210	420
	35	2,3	50	250	500
	50	3,3	100	600	1.200
	63	4,3	180	1.000	1.900
	80	6	300	1.500	3.100
	100	7,5	600	2.500	5.000
	125	12	600	2.700	5.500
	160	19,5	1.100	3.200	6.500
180	24	1.600	4.300	8.700	
BS38	160	12	1.100	6.200	12.500
	200	16,5	1.500	9.000	18.500
	250	20	3.200	13.000	27.500
	315	28,4	6.000	21.000	42.500
	355	30	8.000	33.000	67.000
	400	38	14.000	35.000	78.000
	450	44,5	18.000	45.000	96.000
BS38T	400	30	6.000	44.000	88.000
	500	38	14.000	70.000	145.000
	630	50	24.000	110.000	214.000
	710	62	32.000	140.000	290.000
	800	78	52.000	160.000	335.000

Correction factor for converting the power dissipation for percentage load

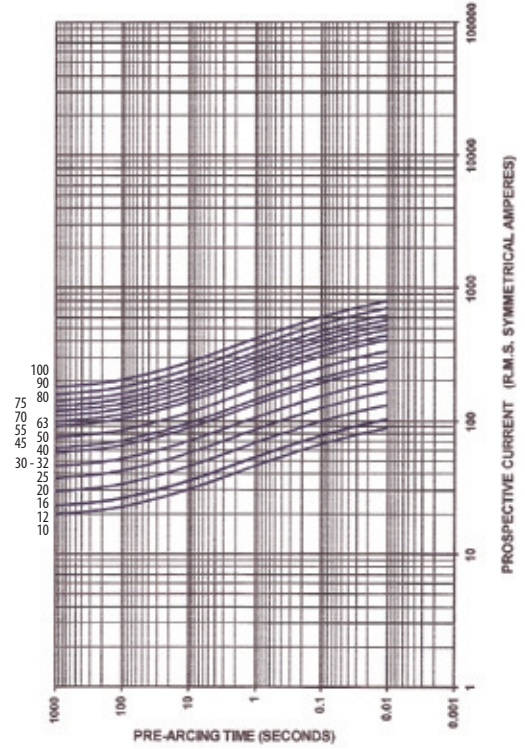
Load(%)	Correction factor
10	0,005
20	0,025
30	0,063
40	0,122
50	0,204
60	0,31
70	0,442
80	0,6
90	0,785
100	1

RATED VOLTAGE
~690V

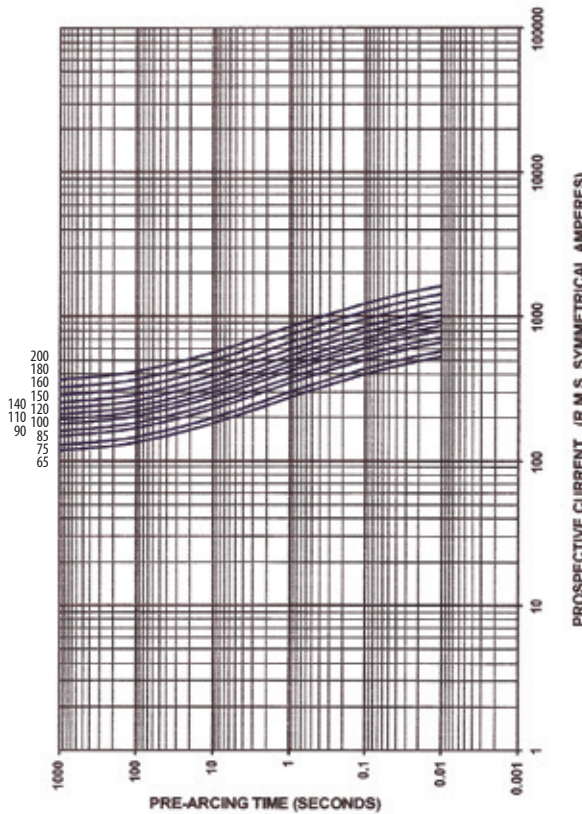
Time/current characteristics of fuse-links Ultra Quick BS8



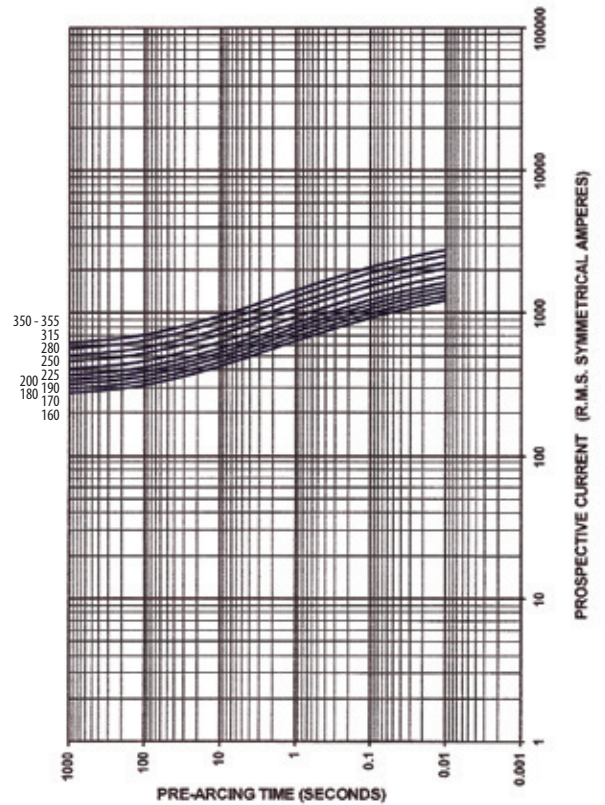
Time/current characteristics of fuse-links Ultra Quick BS17



Time/current characteristics of fuse-links Ultra Quick BS17D

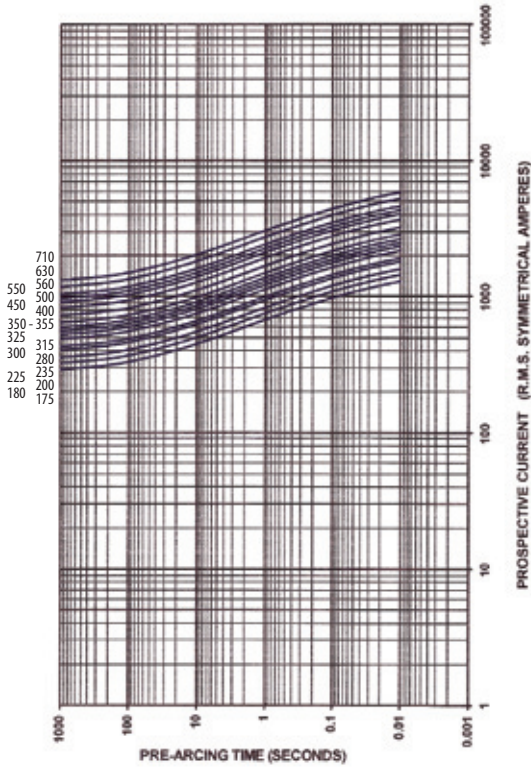


Time/current characteristics of fuse-links Ultra Quick BS38

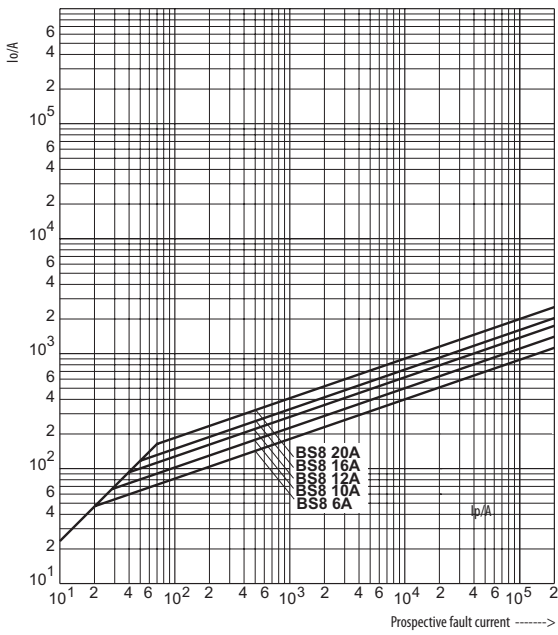


RATED VOLTAGE
~690V

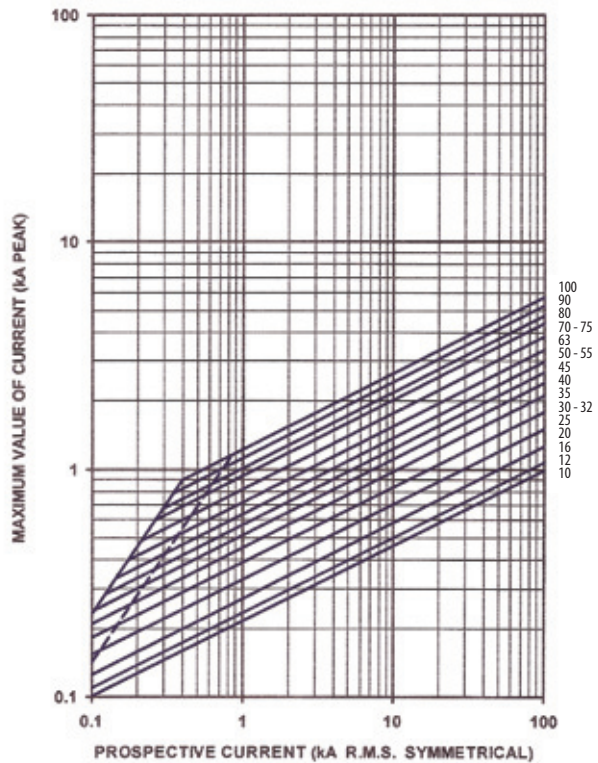
Time/current characteristics of fuse-links Ultra Quick BS38T



Cut-off characteristics of fuse-links Ultra Quick BS8

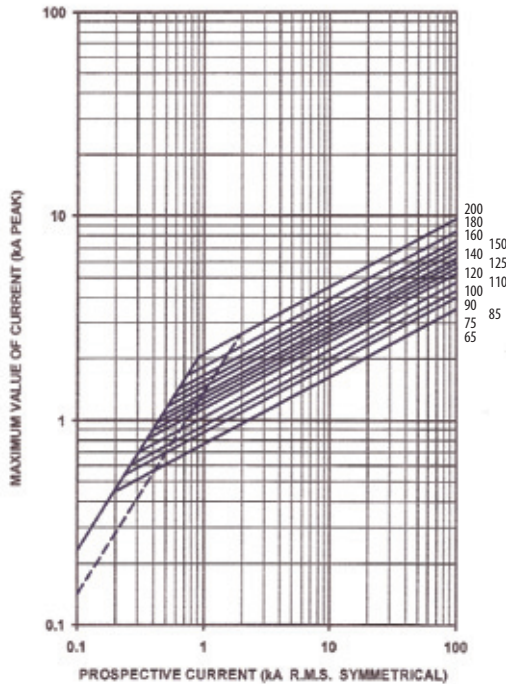


Cut-off characteristics of fuse-links Ultra Quick BS17

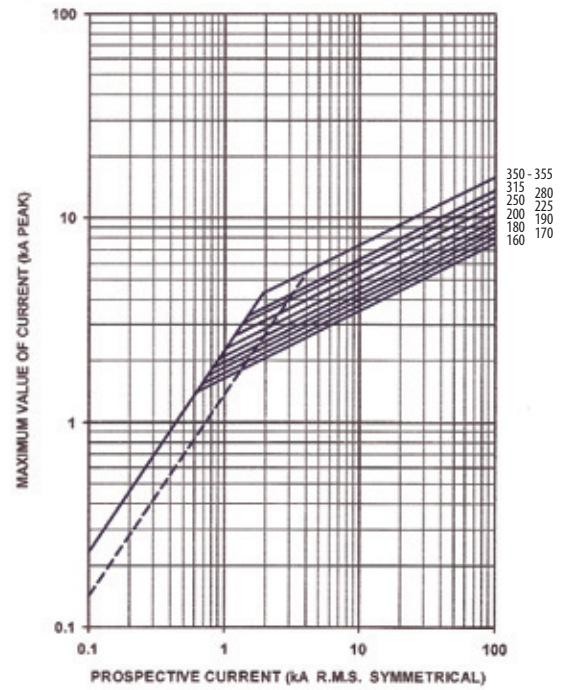


RATED VOLTAGE
~690V

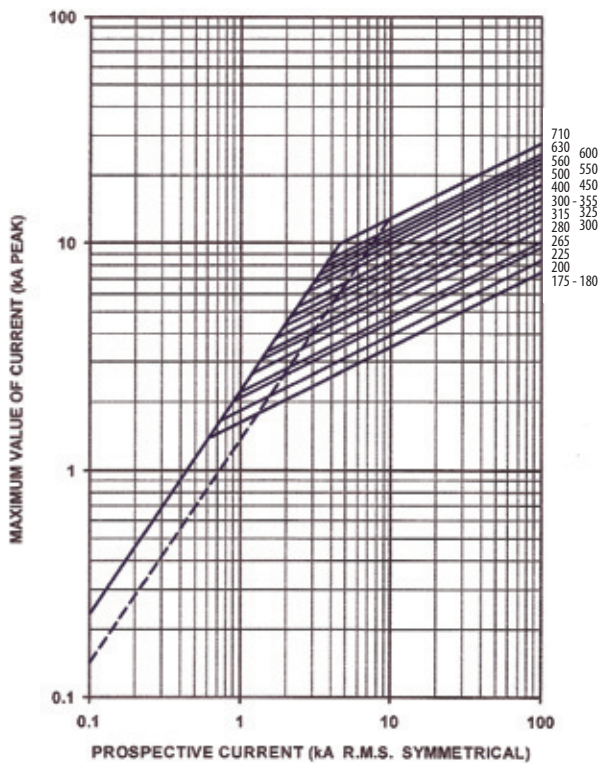
Cut-off characteristics of fuse-links Ultra Quick BS17D



Cut-off characteristics of fuse-links Ultra Quick BS38

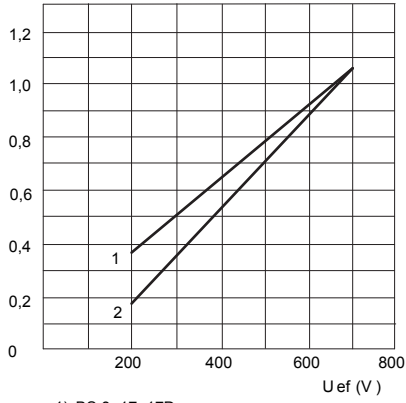


Cut-off characteristics of fuse-links Ultra Quick BS38T



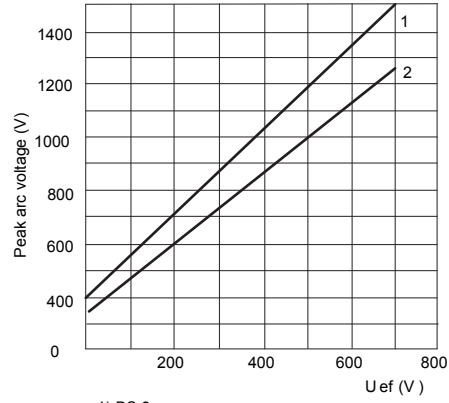
RATED VOLTAGE
~690V

Conversion factor for total Joule integral



- 1) BS 8, 17, 17D
- 2) BS 38, 38T

Maximum arc voltage occurring



- 1) BS 8
- 2) BS 17, 17D, 38, 38T

Correction factor for converting the power dissipation for percentage load

Load (%)	Correction factor
10	0,005
20	0,025
30	0,063
40	0,122
50	0,204
60	0,31
70	0,442
80	0,6
90	0,785
100	1

RATED VOLTAGE
~690V

Power dissipation, pre-arcing Joule Integral and Operating Joule Integral for Ultra Quick BS8, BS17, BS17D, BS38, BS38T

Size	I_n	Power dissipation	Pre-arcing Joule integral I^2t (1ms)	Operating Joule Integral $I^2t \sim 415V$	Operating Joule Integral $I^2t \sim 690V$
	A	W	A ² s	A ² s	A ² s
BS8	6	2	1,8	8,5	12
	10	3	7	30	48
	12	3	10	40	65
	16	7	16	66	110
	20	7	32	150	220
BS17	25	5,8	25	150	250
	32	6,8	32	190	350
	35	7,2	33	130	200
	40	8	52	350	700
	45	8,5	76	450	900
	50	9,5	103	600	1.300
	56	10,4	135	700	1.450
	63	11,5	135	1.000	2.100
	71	13	210	1.400	2.800
	80	14,5	250	1.700	3.500
90	15,5	360	2.500	5.200	
100	16	470	3.200	6.800	
BS17D	90	16,6	490	1.800	3.600
	110	21	600	3.000	5.900
	120	22	540	3.700	7.400
	140	24,5	850	5.000	11.000
	160	28	1.000	7.000	14.500
BS38	160	27,7	2.400	7.000	14.500
	180	29	1.400	12.000	23.500
	200	31	2.600	15.000	30.000
	250	37	5.200	25.000	53.000
	315	47	10.000	50.000	97.000
	350	57	15.000	70.000	140.000
BS38T	200	32	2.200	10.000	21.000
	225	39	3.700	15.000	30.000
	315	48	8.600	35.000	75.000
	355	56	13.500	55.000	110.000
	400	60	10.000	70.000	147.000
	450	65	15.000	105.000	210.000
	500	68	20.000	130.000	277.000
	630	83	45.000	260.000	520.000
700	94	60.000	300.000	600.000	