

RATED VOLTAGE
~240V

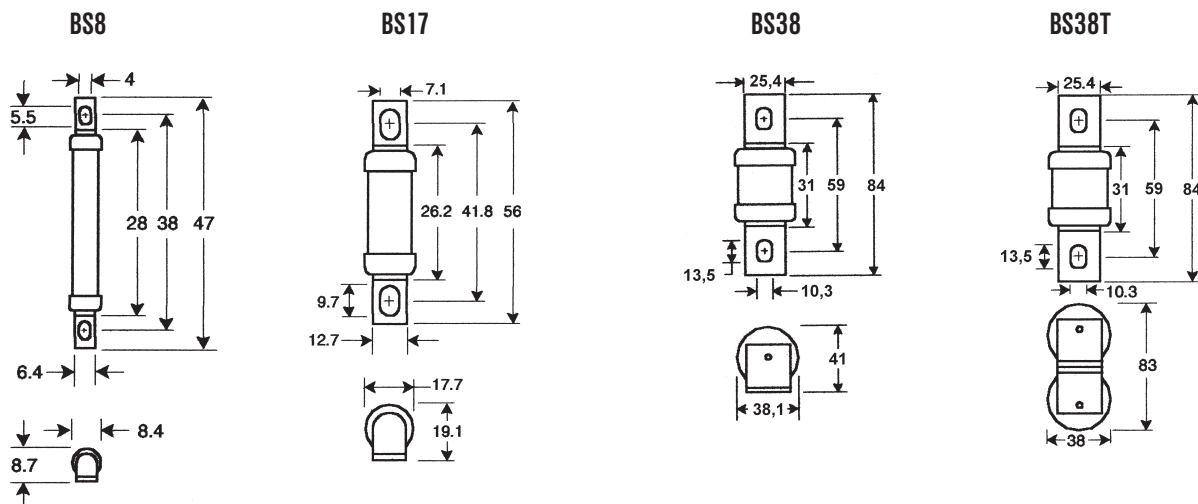
Technical data:			Application:
Standards: BS88: Part 4 IEC 60269-4-1	Breaking capacity: ~200kA / = 50kA Rated voltage: ~240V / = 150V	Characteristic: aR	Fuse-links of system BS are mounted by screws to busbars.

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	250	4	aR	10	31
	32	BS17UQ/41/32A/240V	004750108	450	5	aR	10	31
	35	BS17UQ/41/35A/240V	004750109	600	5	aR	10	31
	50	BS17UQ/41/50A/240V	004750112	1.400	7	aR	10	31
	63	BS17UQ/41/63A/240V	004750115	2.200	9	aR	10	31
	80	BS17UQ/41/80A/240V	004750119	3.800	10	aR	10	31
	100	BS17UQ/41/100A/240V	004750122	7.500	10	aR	10	31
	125	BS17UQ/41/125A/240V	004750125	7.500	16	aR	10	31
	160	BS17UQ/41/160A/240V	004750128	16.000	20	aR	10	31
BS38	180	BS17UQ/41/180A/240V	004750131	29.000	21	aR	10	31
	160	BS38UQ/59/160A/240V	004750227	16.000	17	aR	10	180
	200	BS38UQ/59/200A/240V	004750233	20.000	28	aR	10	180
	250	BS38UQ/59/250A/240V	004750236	40.000	28	aR	10	180
	315	BS38UQ/59/315A/240V	004750239	75.000	35	aR	10	180
	355	BS38UQ/59/355A/240V	004750242	100.000	35	aR	10	180
	400	BS38UQ/59/400A/240V	004750244	160.000	40	aR	10	180
BS38T	450	BS38UQ/59/450A/240V	004750245	220.000	42	aR	10	180
	400	BS38TUQ/59/400A/240V	004750344	80.000	60	aR	5	370
	500	BS38TUQ/59/500A/240V	004750346	170.000	64	aR	5	370
	630	BS38TUQ/59/630A/240V	004750349	300.000	75	aR	5	370
	710	BS38TUQ/59/710A/240V	004750352	460.000	77	aR	5	370
800	BS38TUQ/59/800A/240V	004750353	600.000	82	aR	5	370	

ULTRA QUICK



Dimensions:



For more information visit: www.eti.si/Electrotechnical_products/Semiconductor_protection

Technical data on page 57

RATED VOLTAGE
~ 690V

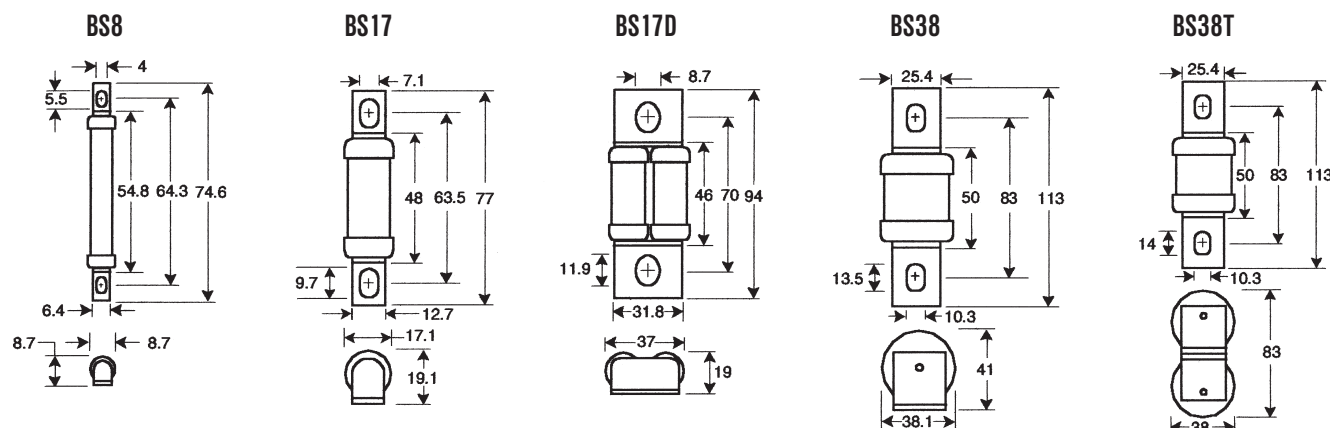
Technical data:			Application:
Standards: BS88: Part 4 IEC 60269-4-1	Breaking capacity: ~200kA / == 50kA Rated voltage: ~690V / == 500V	Characteristic: aR	Fuse-links of system BS are mounted by screws to busbars.

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/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	7	aR	10	42
	32	BS17UQ/63/32A/690V	004750608	350	11	aR	10	42
	35	BS17UQ/63/35A/690V	004750609	200	9	aR	10	42
	40	BS17UQ/63/40A/690V	004750610	300	9	aR	10	42
	45	BS17UQ/63/45A/690V	004750611	450	11	aR	10	42
	50	BS17UQ/63/50A/690V	004750612	600	11	aR	10	42
	56	BS17UQ/63/56A/690V	004750613	1.500	14	aR	10	42
	63	BS17UQ/63/63A/690V	004750615	750	12	aR	10	42
	71	BS17UQ/63/71A/690V	004750617	950	17	aR	10	42
	80	BS17UQ/63/80A/690V	004750619	1.500	20	aR	10	42
BS17D	90	BS17DUQ/70/90A/690V	004750721	4.500	19	aR	5	90
	110	BS17DUQ/70/110A/690V	004750723	6.500	27	aR	5	90
	120	BS17DUQ/70/120A/690V	004750724	3.100	32	aR	5	90
	140	BS17DUQ/70/140A/690V	004750726	3.800	36	aR	5	90
	160	BS17DUQ/70/160A/690V	004750728	5.700	46	aR	5	90
BS38	160	BS38UQ/83/160A/690V	004750628	25.000	26	aR	5	240
	180	BS38UQ/83/180A/690V	004750631	13.500	40	aR	5	240
	200	BS38UQ/83/200A/690V	004750633	18.500	40	aR	5	240
	250	BS38UQ/83/250A/690V	004750636	37.500	48	aR	5	240
	315	BS38UQ/83/315A/690V	004750640	77.000	55	aR	5	240
	350	BS38UQ/83/350A/690V	004750642	105.000	55	aR	5	240
BS38T	200	BS38TUQ/83/200A/690V	004750933	23.000	42	aR	5	450
	225	BS38TUQ/83/225A/690V	004750935	40.000	42	aR	5	450
	315	BS38TUQ/83/315A/690V	004750939	91.000	51	aR	5	450
	355	BS38TUQ/83/355A/690V	004750943	140.000	54	aR	5	450
	400	BS38TUQ/83/400A/690V	004750944	72.500	85	aR	5	450
	450	BS38TUQ/83/450A/690V	004750945	105.000	90	aR	5	450
	500	BS38TUQ/83/500A/690V	004750946	150.000	100	aR	5	450
	630	BS38TUQ/83/630A/690V	004750950	310.000	100	aR	5	450
700	BS38TUQ/83/700A/690V	004750952	420.000	120	aR	5	450	



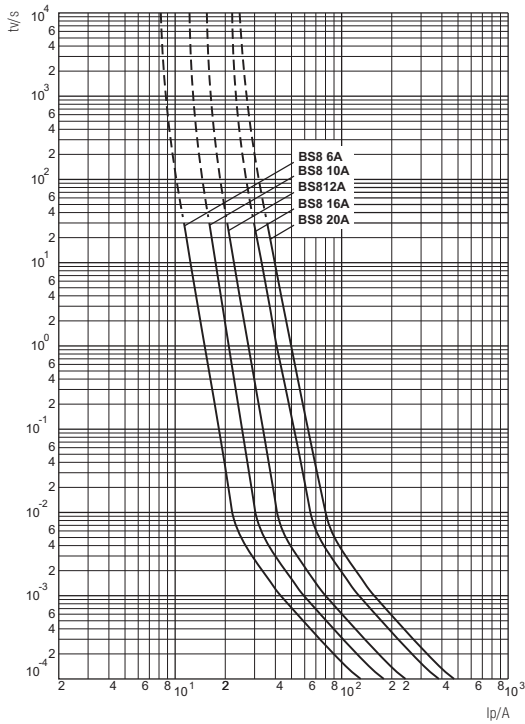
ULTRA QUICK

Dimensions:

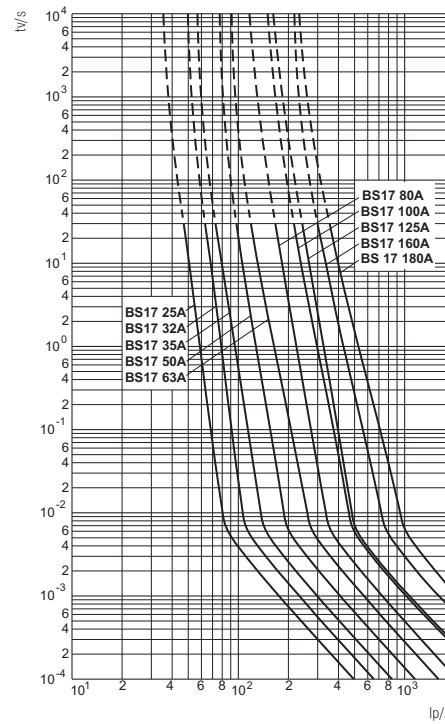


RATED VOLTAGE
~240V

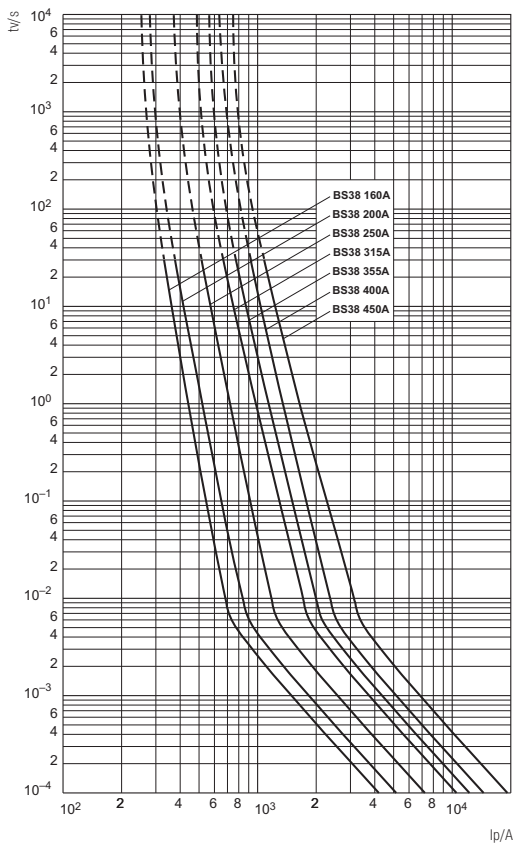
Time/current characteristics of fuse-links Ultra Quick BS8



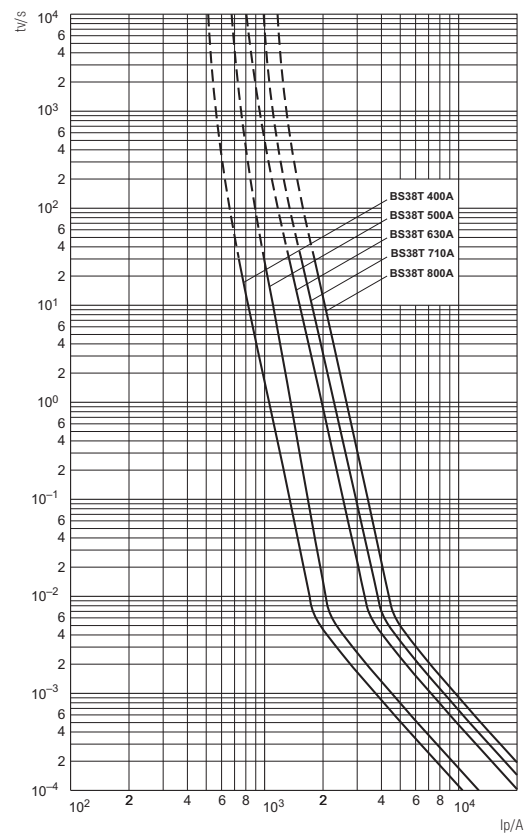
Time/current characteristics of fuse-links Ultra Quick BS17



Time/current characteristics of fuse-links Ultra Quick BS38



Time/current characteristics of fuse-links Ultra Quick BS38T



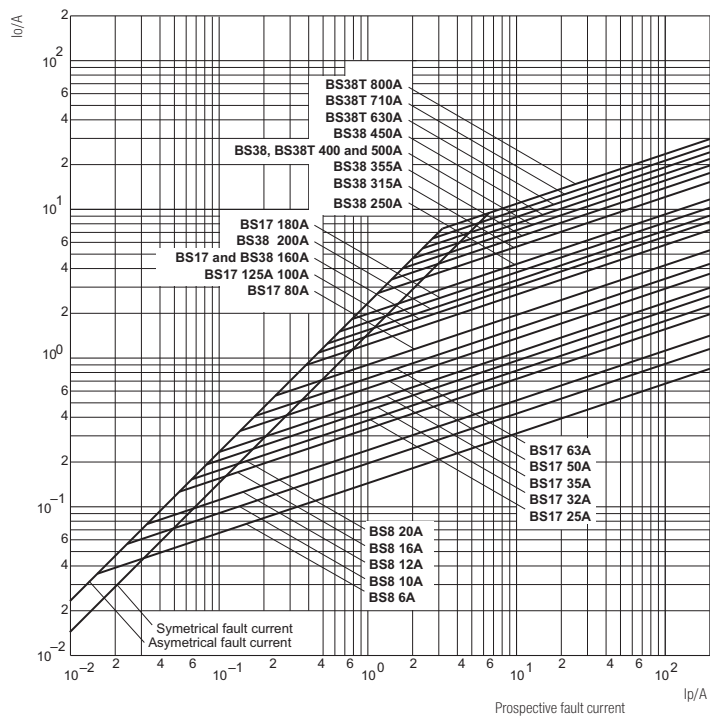
CHARACTERISTICS

SYSTEM **BS**

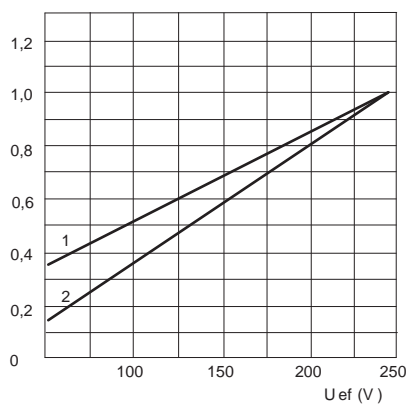
RATED VOLTAGE

~240V

Cut-off characteristics of fuse-link Ultra Quick BS8, BS17, BS38, BS38T

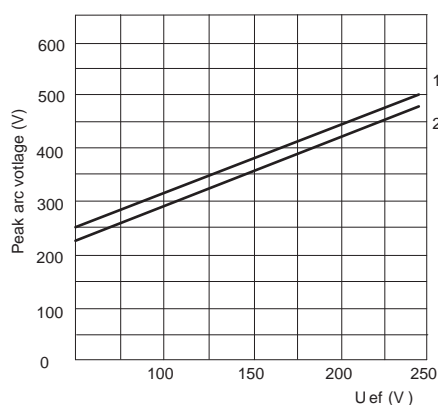


Conversion factor for total Joule integral



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

Maximum arc voltage occurring



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

ULTRA QUICK

RATED VOLTAGE
~ 240V

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

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^2t (1ms)	Operating Joule Integral $I^2t \sim 120V$	Operating Joule Integral $I^2t \sim 240V$
	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	4	18	120	250
	32	5	32	200	450
	35	5	50	320	600
	50	7	100	500	1.400
	63	9	180	1.100	2.200
	80	10	300	1.900	3.800
	100	10	600	3.800	7.500
	125	16	600	3.800	7.500
	160	20	1.100	7.000	16.000
	180	21	1.600	12.000	29.000
BS38	160	17	1.100	7.000	16.000
	200	28	1.500	10.000	20.000
	250	28	3.200	20.000	40.000
	315	35	6.000	35.000	75.000
	355	35	8.000	50.000	100.000
	400	40	14.000	70.000	160.000
	450	42	18.000	100.000	220.000
BS38T	400	60	6.000	35.000	80.000
	500	64	14.000	80.000	170.000
	630	75	24.000	150.000	300.000
	710	77	32.000	200.000	460.000
	800	82	52.000	300.000	600.000

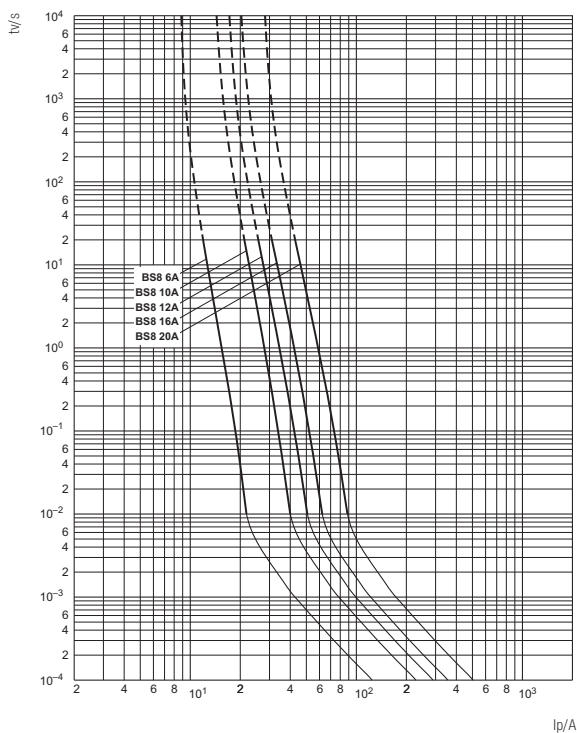
CHARACTERISTICS

SYSTEM **BS**

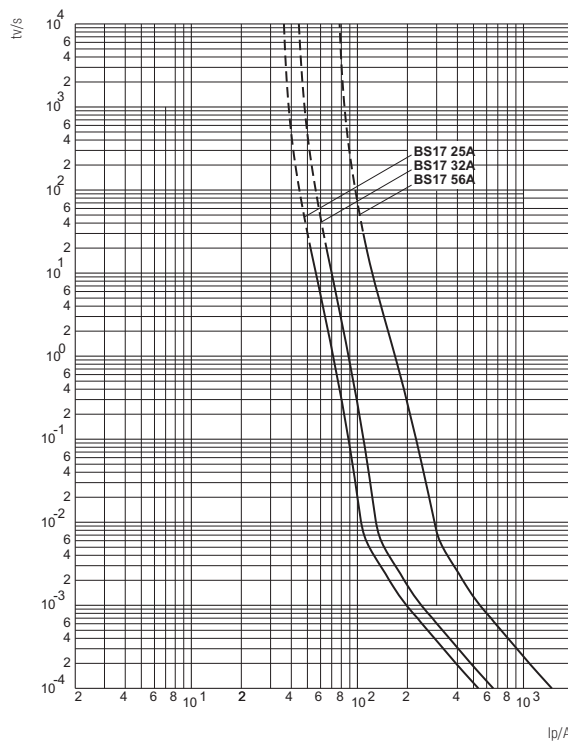
RATED VOLTAGE

~690V

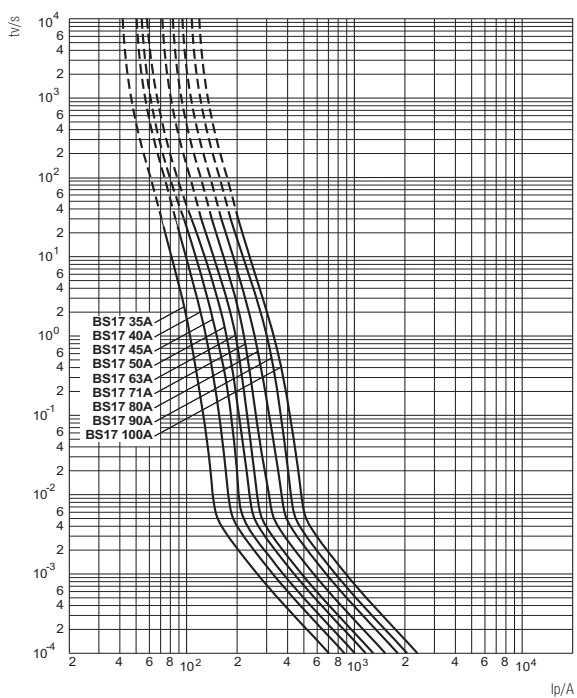
Time/current characteristics of fuse-links Ultra Quick BS8



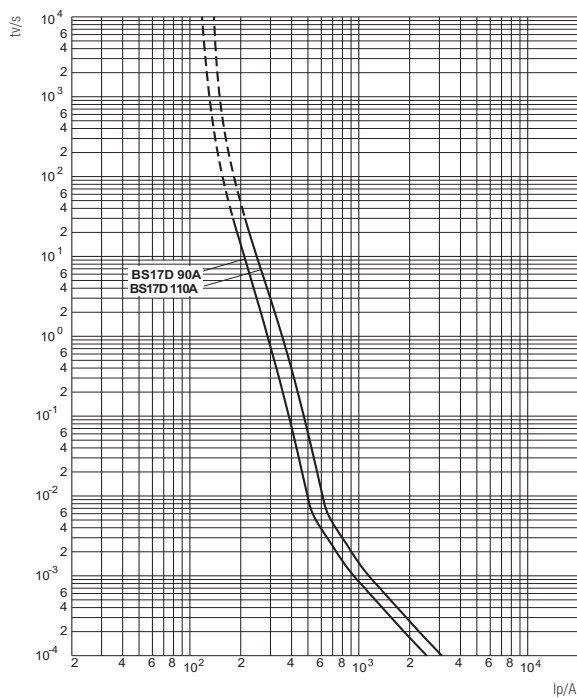
Time/current characteristics of fuse-links Ultra Quick BS17



Time/current characteristics of fuse-links Ultra Quick BS17



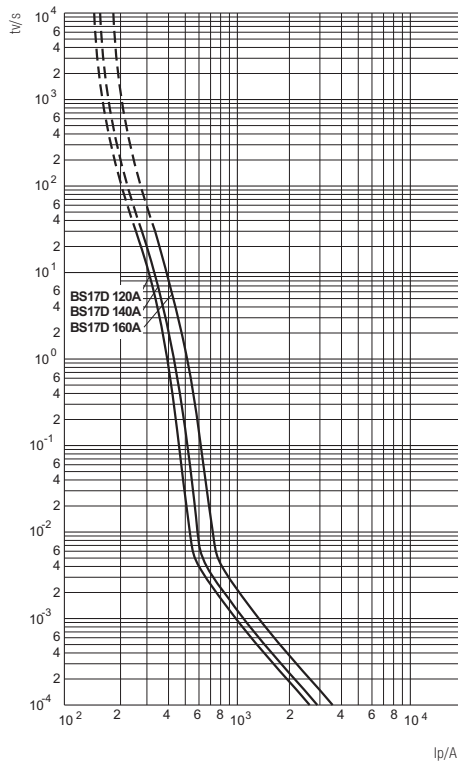
Time/current characteristics of fuse-links Ultra Quick BS17D



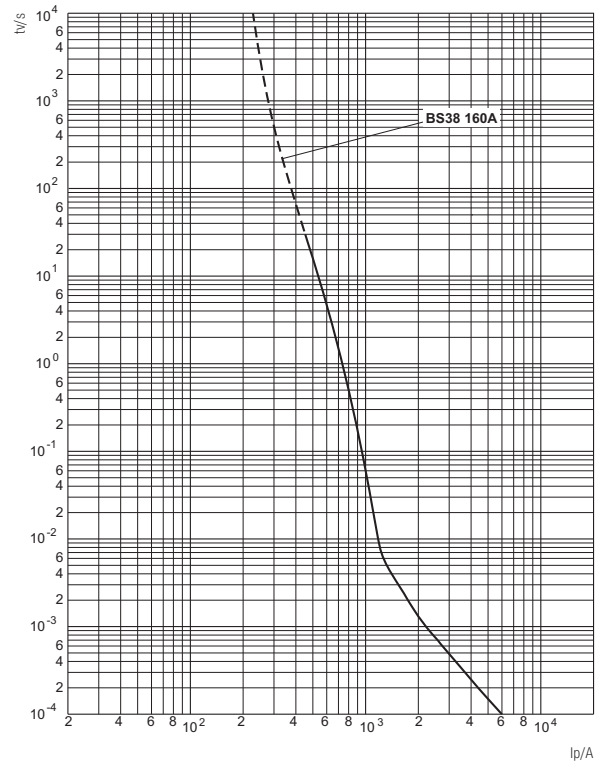
ULTRA QUICK

RATED VOLTAGE
~690V

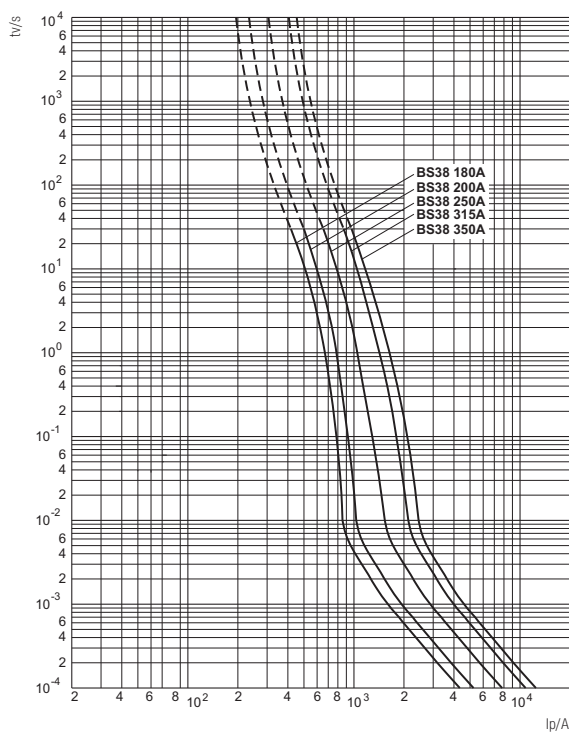
Time/current characteristics of fuse-links Ultra Quick BS17D



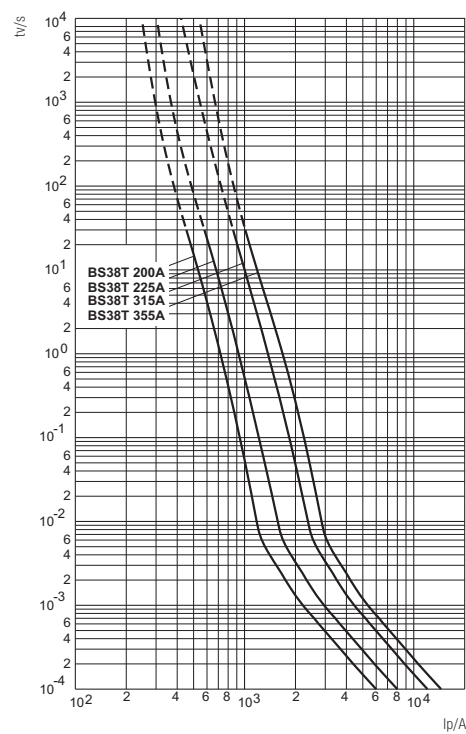
Time/current characteristics of fuse-links Ultra Quick BS38



Time/current characteristics of fuse-links Ultra Quick BS38



Time/current characteristics of fuse-links Ultra Quick BS38T



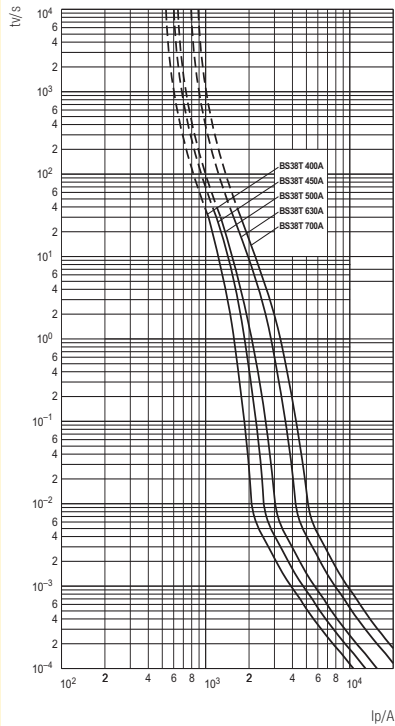
CHARACTERISTICS

SYSTEM **BS**

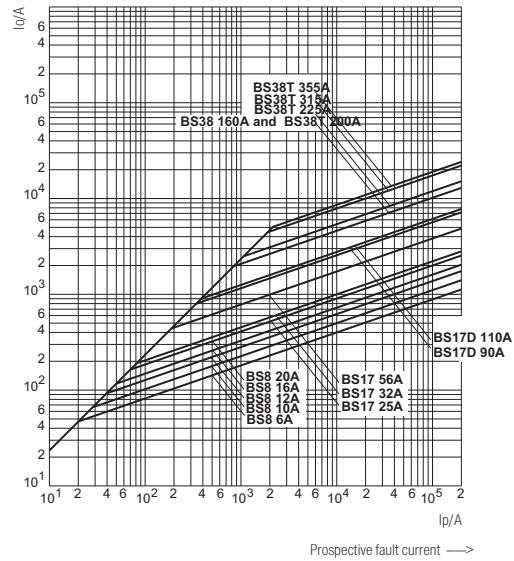
RATED VOLTAGE

~690V

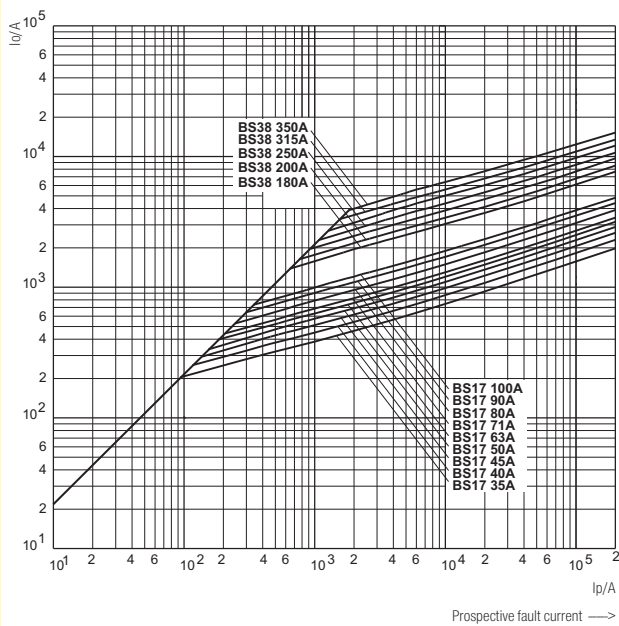
Time/current characteristics of fuse-links Ultra Quick BS38T



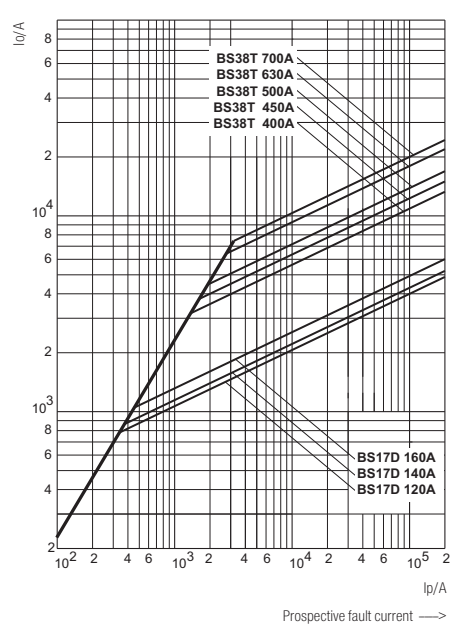
Cut-off characteristics of fuse-links Ultra Quick BS8, BS17, BS17D, BS38, BS38T



Cut-off characteristics of fuse-links Ultra Quick BS17, BS38



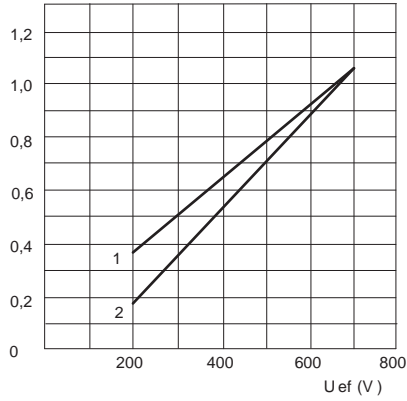
Cut-off characteristics of fuse-links Ultra Quick BS17D, BS38T



ULTRA QUICK

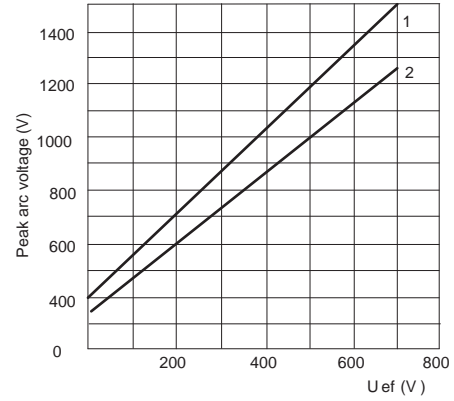
RATED VOLTAGE
~ 690V

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

CHARACTERISTICS

SYSTEM BS

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	7	25	150	250
	32	11	32	190	350
	35	9	33	130	200
	40	9	52	180	300
	45	11	76	120	450
	50	11	103	380	600
	56	14	135	950	1.500
	63	12	135	480	750
	71	17	210	600	950
	80	20	250	900	1.500
	90	20	360	1.300	2.100
BS17D	100	23	470	1.800	2.800
	90	19	490	3.000	4.500
	110	27	600	4.000	6.500
	120	32	540	1.900	3.100
	140	36	850	2.500	3.800
BS38	160	46	1.000	3.700	5.700
	160	26	2.400	15.000	25.000
	180	40	1.400	7.500	13.500
	200	40	2.600	10.500	18.500
	250	48	5.200	20.500	37.500
BS38T	315	55	10.000	40.000	77.000
	350	55	15.000	60.000	105.000
	200	42	2.200	16.000	23.000
	225	42	3.700	26.000	40.000
	315	51	8.600	62.000	91.000
	355	54	13.500	97.000	140.000
	400	85	10.000	40.000	72.500
	450	90	15.000	60.000	105.000
	500	100	20.000	82.000	150.000
	630	100	45.000	180.000	310.000
700	120	60.000	245.000	420.000	

ULTRA QUICK