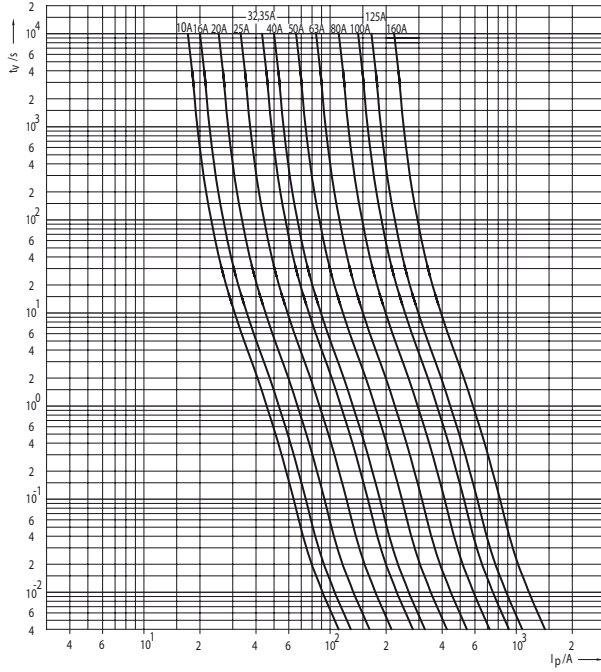


gR

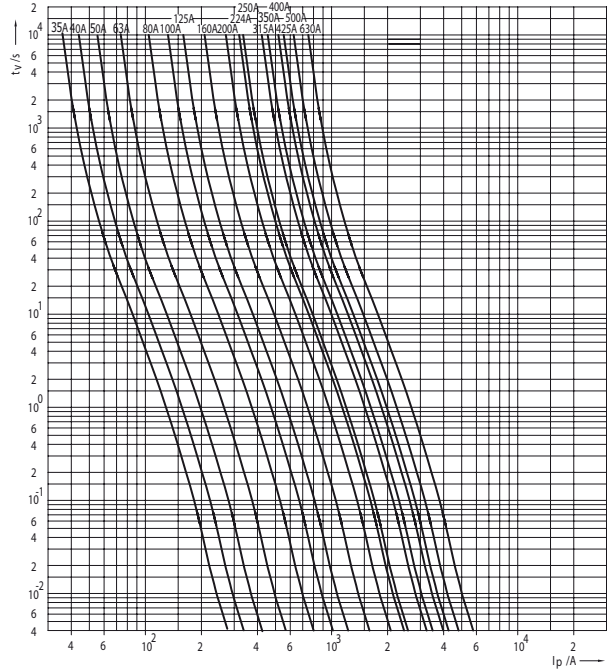
RATED VOLTAGE

~690V

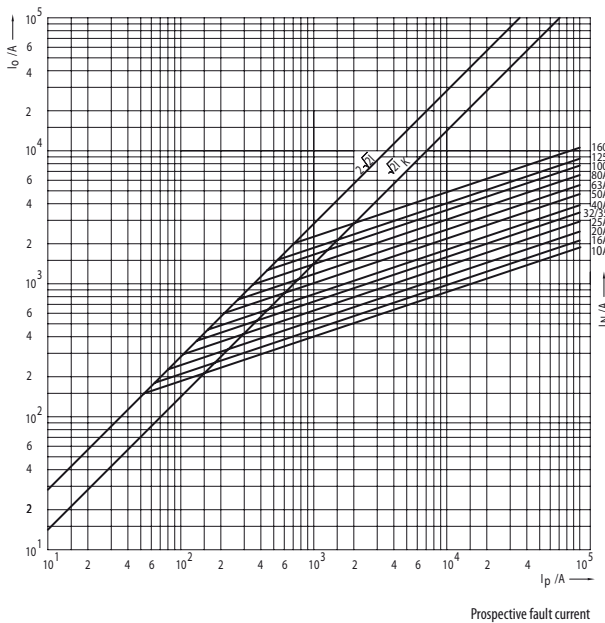
Time/current characteristics of fuse-links Ultra Quick M, S - size 00C



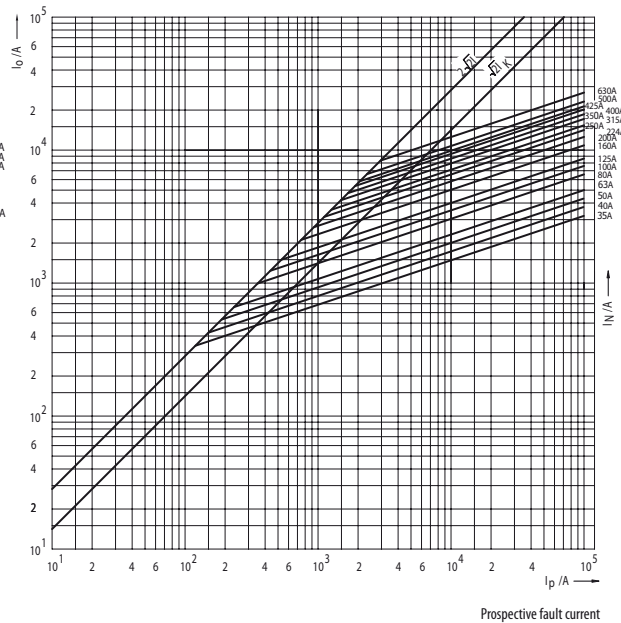
Time/current characteristics of fuse-links Ultra Quick M, S, G - size 1, 2, 3



Cut-off characteristics of fuse-links Ultra Quick M, S - size 00C



Cut-off characteristics of fuse-links Ultra Quick M, S, G - size 1, 2, 3

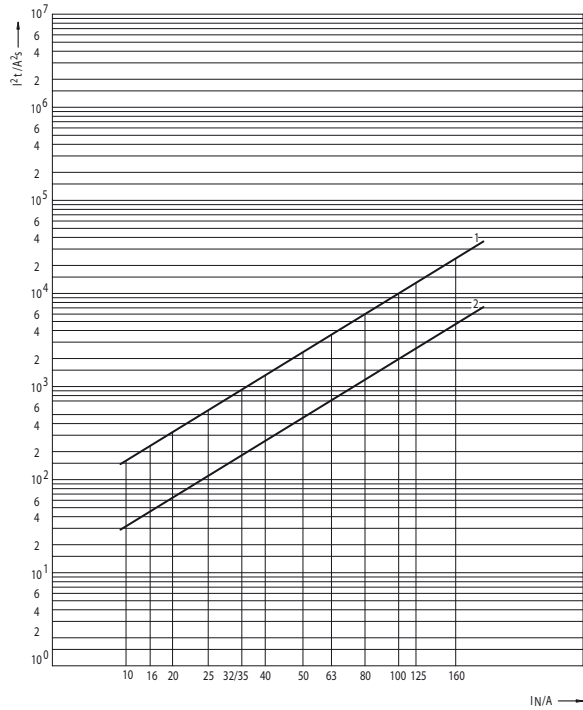


CHARACTERISTICS

gR

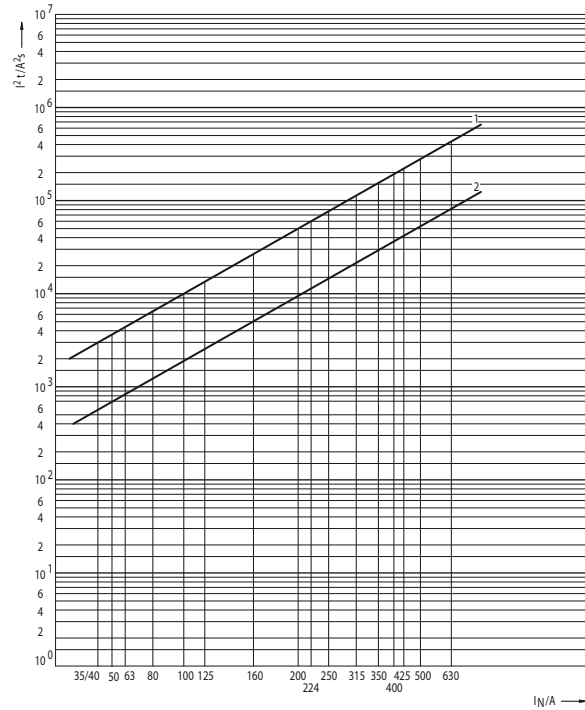
RATED VOLTAGE  
~690V

Joule Integral ( $I^2t$ ) for Ultra Quick M, S - size 00C



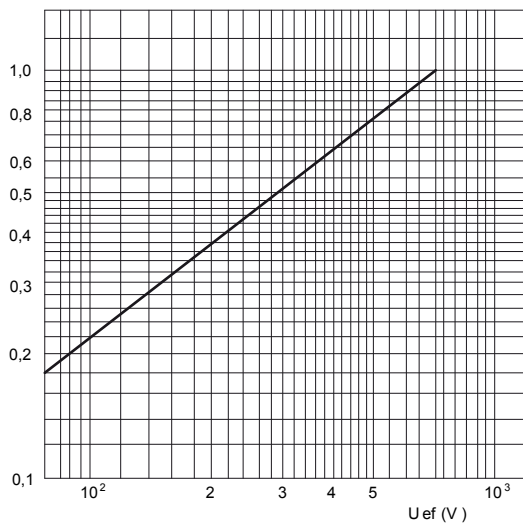
1 - Operating  $I^2t$  value at 690V  
2 - Pre-arcing  $I^2t$  value

Joule Integral ( $I^2t$ ) for Ultra Quick M, S, G - size 1, 2, 3

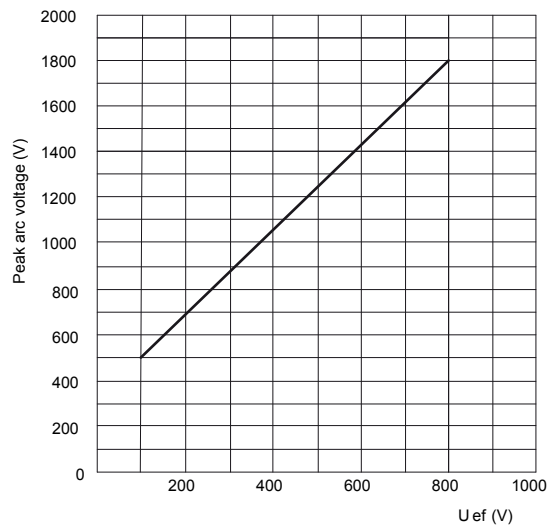


1 - Operating  $I^2t$  value at 690V  
2 - Pre-arcing  $I^2t$  value

Conversion factor for total Joule integral



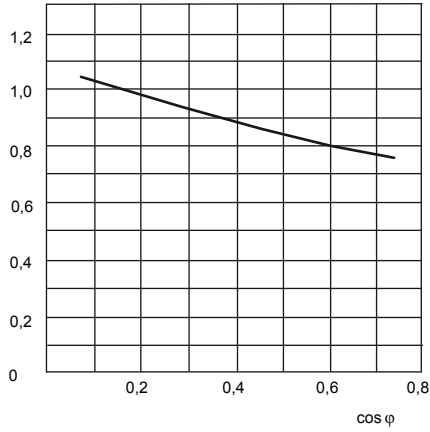
Maximum arc voltage accuring



gR

RATED VOLTAGE  
~690V

Correction factor for performance factor  $\cos\varphi \neq 0,15$  for operating  $I^2t$  values



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

Size	$I_N$	Power dissipation	Pre-arcing	Operating	Operating	Operating	Operating
			Joule integral $I^2t$ (1ms)	Joule Integral $I^2t \sim 230V$	Joule Integral $I^2t \sim 400V$	Joule Integral $I^2t \sim 500V$	Joule Integral $I^2t \sim 690V$
	A	W	A <sup>2</sup> s	A <sup>2</sup> s	A <sup>2</sup> s	A <sup>2</sup> s	A <sup>2</sup> s
M00C, S00C	10	6,50	20	43	63	80	100
	16	7,93	42	95	139	176	220
	20	9,52	63	138	202	256	320
	25	11,8	110	258	378	480	600
	32	12,5	180	396	580	736	920
	35	13,1	180	396	580	736	920
	40	14,1	250	602	882	1.120	1.400
	50	15,6	449	968	1.418	1.800	2.250
	63	17,8	700	1.548	2.268	2.880	3.600
	80	20,6	1.100	2.666	3.906	4.960	6.200
	100	23,7	2.000	4.300	6.300	8.000	10.000
	125	30,0	2.500	5.590	8.190	10.400	13.000
	160	35,9	4.400	9.890	14.490	18.400	23.000
	M1, S1, G1 M2, S2, G2 M3, S3, G3	80	9,52	1.200	2.709	3.969	5.040
100		12,7	1.650	4.300	6.300	8.000	10.000
125		17,6	2.200	5.590	8.190	10.400	13.000
160		23,8	4.300	9.890	14.490	18.400	23.000
200		31,5	8.500	20.210	29.610	37.600	47.000
224		36,8	10.000	25.800	37.800	48.000	60.000
250		42,7	15.000	30.100	44.100	56.000	70.000
315		57	20.000	47.300	69.300	88.000	110.000
350		67	28.000	64.500	94.500	120.000	150.000
400		76	32.000	73.100	107.100	136.000	170.000
425		84	40.000	86.000	126.000	160.000	200.000
500		102	44.000	103.200	151.200	192.000	240.000
630	138	80.000	172.000	252.000	320.000	400.000	

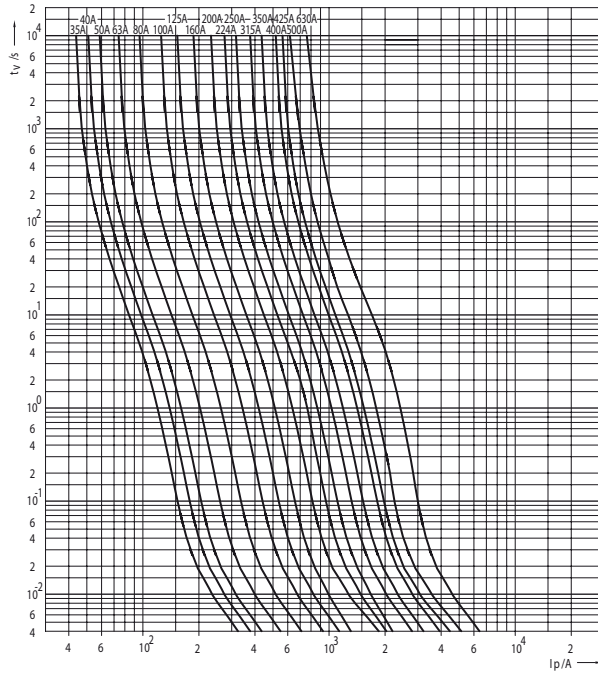
CHARACTERISTICS

NV/NH

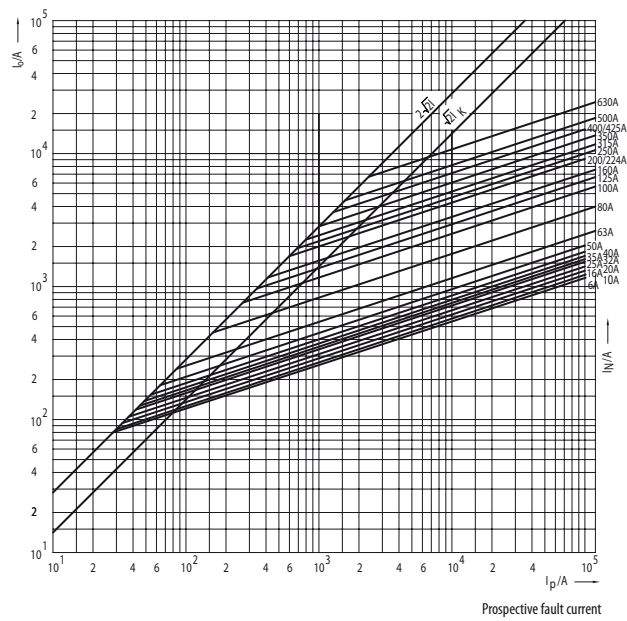
gR

RATED VOLTAGE  
~500V

Time/current characteristics of fuse-links Ultra Quick G - size 1, 2, 3



Cut-off characteristics of fuse-links Ultra Quick G - size 1, 2, 3

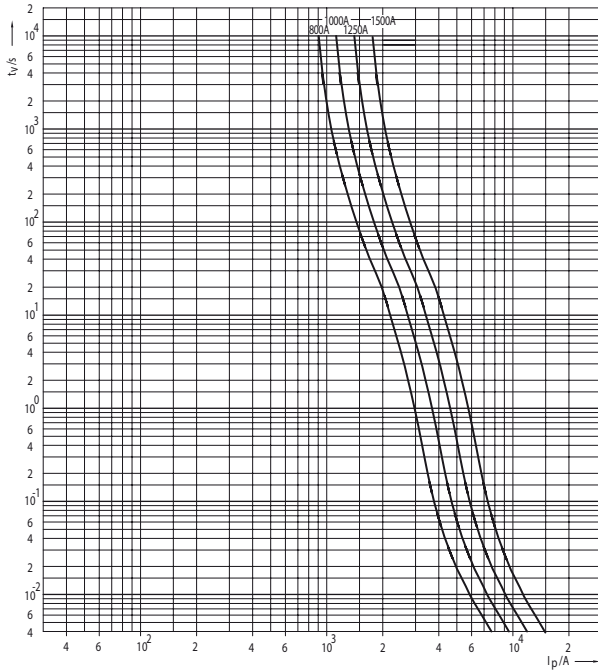


ULTRA QUICK

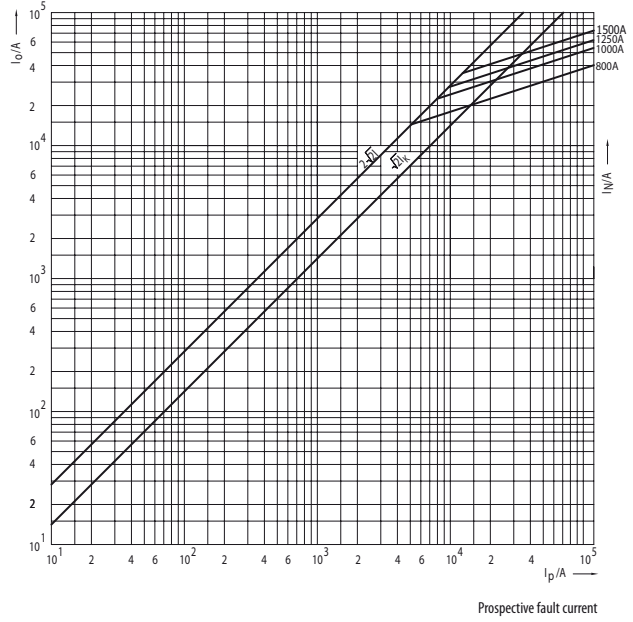
gR

RATED VOLTAGE  
~500V

Time/current characteristics of fuse-links Ultra Quick M, S - size 4 and 4a

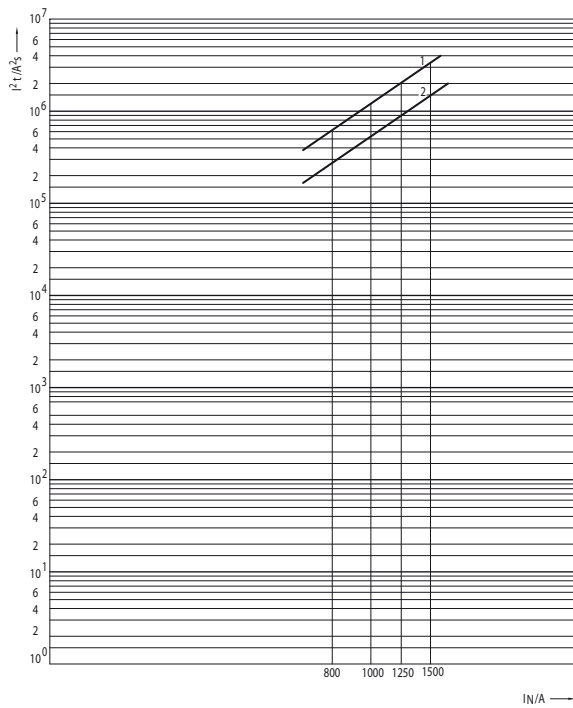


Cut-off characteristics of fuse-links Ultra Quick M, S - size 4 and 4a



ULTRA QUICK

Joule Integral ( $I^2t$ ) for Ultra Quick M, S - size 4 and 4a



1 - Operating  $I^2t$  value at 500V  
2 - Pre-arcing  $I^2t$  value

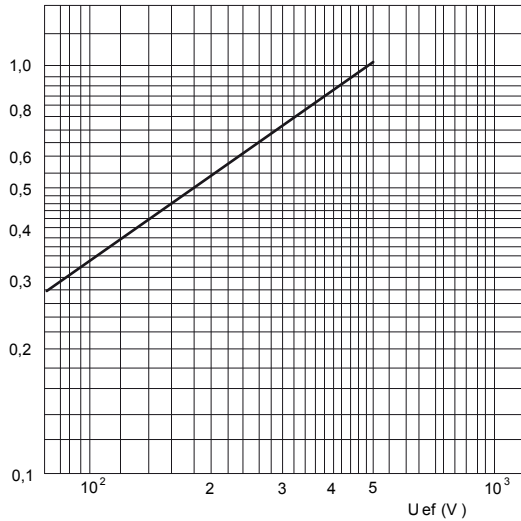
# CHARACTERISTICS

# NV/NH

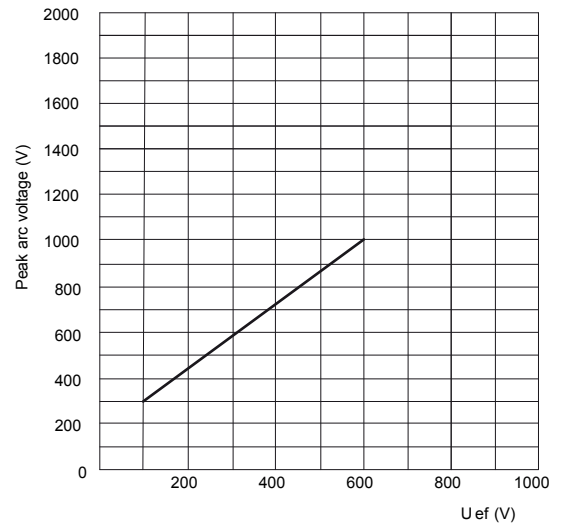
gR

RATED VOLTAGE  
~500V

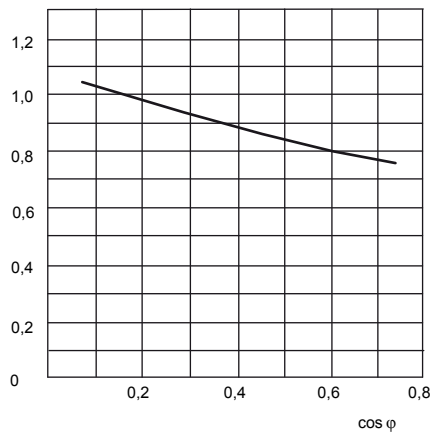
Conversion factor for total Joule integral



Maximum arc voltage accuring



Correction factor for performance factor  $\cos\varphi \neq 0,15$  for operating I<sup>2</sup>t values



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

gR

RATED VOLTAGE  
~500V

Power dissipation, pre-arcing Joule Integral and Operating Joule Integral for Ultra Quick

Size	I <sub>N</sub>	Power dissipation	Pre-arcing	Operating	Operating	Operating
			Joule integral I <sup>2</sup> t (1ms)	Joule Integral I <sup>2</sup> t ~230V	Joule Integral I <sup>2</sup> t ~400V	Joule Integral I <sup>2</sup> t ~500V
	A	W	A <sup>2</sup> s	A <sup>2</sup> s	A <sup>2</sup> s	A <sup>2</sup> s
G1, G2, G3, M4a, S4	35	15,0	160	369	536	670
	40	16,2	250	550	800	1.000
	50	17,5	400	825	1.200	1.500
	63	20,0	600	1.210	1.760	2.200
	80	23,1	900	1.815	2.640	3.300
	100	26,4	1.500	3.960	5.760	7.200
	125	34,0	2.500	5.500	8.000	10.000
	160	40,1	6.000	11.550	16.800	21.000
	200	43,8	7.900	16.500	24.000	30.000
	224	48,5	10.000	22.550	32.800	41.000
	250	53	12.500	28.600	41.600	52.000
	315	63	20.000	45.100	65.600	82.000
	350	66	26.000	60.500	88.000	110.000
	425	70	40.000	88.000	128.000	200.000
	500	96	50.000	110.000	160.000	260.000
	630	135	66.000	143.000	208.000	340.000
	800	164	250.000	341.000	496.000	620.000
1000	188	580.000	632.500	920.000	1.150.000	
1250	246	900.000	1.100.000	1.600.000	2.000.000	
1500	310	1.600.000	2.090.000	3.040.000	3.800.000	

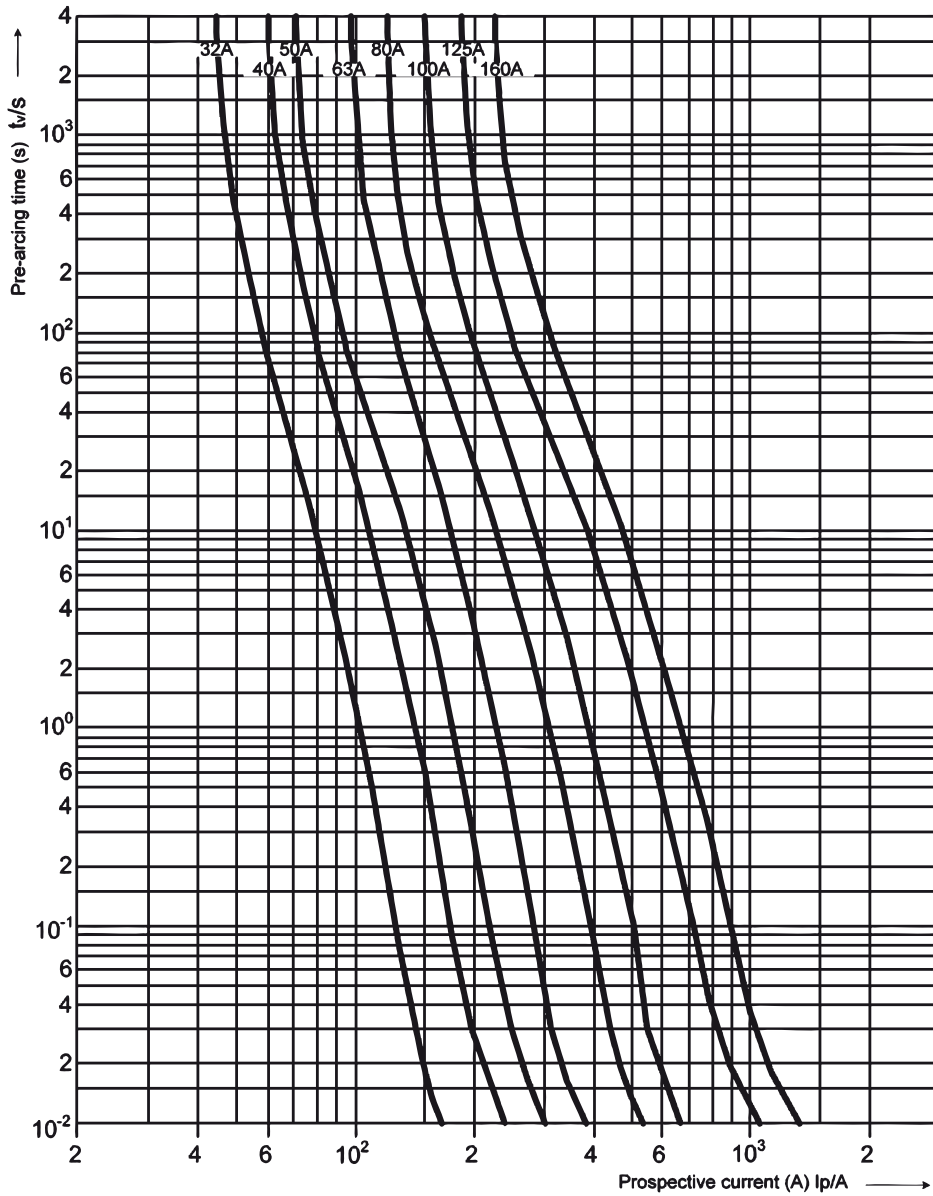
CHARACTERISTICS

NV/NH

gR

RATED VOLTAGE  
 = 750V, = 1000V

Time/current characteristics of fuse-links NH DC - size 0, 1C





gR

RATED VOLTAGE  
= 1100V

Time/current characteristics of fuse-links NH DC - sizes 1XL, 2XL 3L

