

aR

TYPES
CH, CH-SRATED VOLTAGE
~690V

Technical data:

Standards:
IEC 60269-4Breaking capacity:
~200 kA
Rated voltage:
~600V, ~690V

Application:

Fuse-links of system C are applied in fuse
disconnectors EFD, EFH and PCF.

CH10



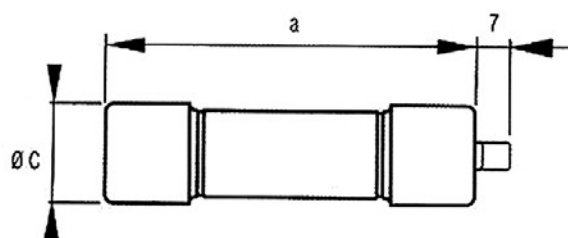
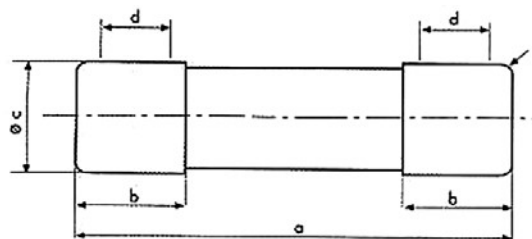
CH22



Size	In (A)	Type without indicator	Code No. ETI	Operating I _t -value (A ² s)	Power dissipation (W)	Type with striker	Code No. ETI	Char.	Pack. (pcs.)	Weight (g)
10x38	6	CH10UQ/6A/600V	002625005	30	1,5	-		aR	10	10
	8	CH10UQ/8A/600V	002625006	50	2	-		aR	10	10
	10	CH10UQ/10A/600V	002625007	70	2,5	-		aR	10	10
	12	CH10UQ/12A/600V	002625008	120	3	-		aR	10	10
	16	CH10UQ/16A/600V	002625009	150	3,5	-		aR	10	10
	20	CH10UQ/20A/600V	002625011	260	4,8	-		aR	10	10
	25	CH10UQ/25A/600V	002625013	290	6	-		aR	10	10
	32	CH10UQ/32A/600V	002625015	600	7,5	-		aR	10	10
14x51	10	CH14UQ/10A/690V	002635007	22	4	CH-S14/10A/690V	002635107	aR	10	22,5
	12	CH14UQ/12A/690V	002635008	50	5	CH-S14/12A/690V	002635108	aR	10	22,5
	16	CH14UQ/16A/690V	002635009	75	5,5	CH-S14/16A/690V	002635109	aR	10	22,5
	20	CH14UQ/20A/690V	002635011	180	6	CH-S14/20A/690V	002635111	aR	10	22,5
	25	CH14UQ/25A/690V	002635013	320	7	CH-S14/25A/690V	002635113	aR	10	22,5
	32	CH14UQ/32A/690V	002635015	600	7,6	CH-S14/32A/690V	002635115	aR	10	22,5
	40	CH14UQ/40A/600V	002635017	750	8	CH-S14/40A/600V	002635117	aR	10	22,5
	50	CH14UQ/50A/500V	002635019	1.800	9	CH-S14/50A/500V	002635119	aR	10	22,5
22x58	20	CH22UQ/20A/690V	002645011	260	5,6	CH-S22/20A/690V	002645111	aR	10	45
	25	CH22UQ/25A/690V	002645013	410	5,6	CH-S22/25A/690V	002645113	aR	10	45
	32	CH22UQ/32A/690V	002645015	605	7	CH-S22/32A/690V	002645115	aR	10	45
	40	CH22UQ/40A/690V	002645017	750	8,5	CH-S22/40A/690V	002645117	aR	10	45
	50	CH22UQ/50A/690V	002645019	1.600	9,5	CH-S22/50A/690V	002645119	aR	10	45
	63	CH22UQ/63A/690V	002645021	3.080	11	CH-S22/63A/690V	002645121	aR	10	45
	80	CH22UQ/80A/600V	002645023	6.600	13,5	CH-S22/80A/600V	002645123	aR	10	45
	100	CH22UQ/100A/500V	002645025	12.500	16	CH-S22/100A/500V	002645125	aR	10	45

CH10
6-25A (700V DC/breaking capacity ~ 50kA)
32A (400V DC/breaking capacity ~ 50kA)CH14, CH-S 14
700V DC/breaking capacity ~ 50kACH22, CH-S 22
500V DC/breaking capacity ~ 50kA

Dimensions: CH and CH-S



Size	a	b	c	d
10x38	38	10,5	10,3	6
14x51	51	13,8	14,3	7,5
22x58	58	16,2	22,3	11

Technical data on page 70

gR

TYPES
CH, CH SU

RATED VOLTAGE
~700V, ~900V

Technical data:

Standards:
IEC 60269-4

Breaking capacity:
~50kA / ≍ 8kA
Rated voltage:
~700V / ≍ 700V L/R=2ms
~900V / ≍ 900V L/R=2ms

Application:

Fuse-links of system C are applied in fuse
disconnectors EFD, EFH and PCF.

Size	In (A)	Code No. "standard contacts"	Code No. "type SU contacts"	Pre-arcing Joule integral I ² t-value (A ² s)	Operating Joule integral I ² t-value (A ² s)	Power dissipation [0,7 x I _n] (W)	Power dissipation (W)	Packaging (pcs)	Weight (g)
10x38 700 V	2	002625017	002625300	1,2	1,41	0,44	1,10	10/500 SU: 10/380	10 SU: 12
	4	002625018	002625301	7,6	28	0,55	1,30		
	6	002625019	002625302	14	63	0,73	1,70		
	8	002625020	002625303	30	98	0,70	1,62		
	10	002625021	002625304	20	73	0,98	2,44		
	12	002625022	002625305	48	122	0,82	1,85		
	16	002625023	002625306	97	182	1,06	2,61		
	20	002625024	002625307	164	301	1,27	3,00		
10x38 900 V	25	002625025	002625308	246	434	1,61	4,00	10/500 SU: 10/380	10 SU: 12
	2	002625027	002625310	1,2	1,89	0,44	1,10		
	4	002625028	002625311	7,6	37	0,55	1,30		
	6	002625029	002625312	14	81	0,73	1,70		
	8	002625030	002625313	30	126	0,70	1,62		
	10	002625031	002625314	20	94	0,98	2,44		
	12	002625032	002625315	48	157	0,82	1,85		
	16	002625033	002625316	97	234	1,06	2,61		
	20	002625034	002625317	164	387	1,27	3,00	10/380	12
	25	002625035	002625318	246	558	1,61	4,00		

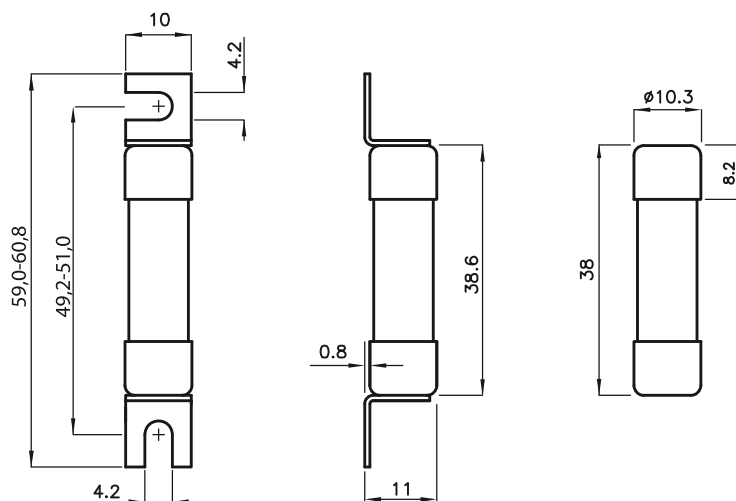


Standard
Contacts



Type SU
Contacts

Dimensions: CH and CH SU



gR

TYPES
CH, CH SU

RATED VOLTAGE
= 1200V

Technical data:

Standards:
IEC 60269-4

Breaking capacity:
= 30kA
Rated voltage:
= 1200V L/R=2ms

Application:

Fuse-links of system C are applied in fuseholders EFH.

Size	In (A)	Code No. "standard contacts"	Code No. "type SU contacts"	Pre-arcing Joule integral I ² t-value (A ² s)	Operating Joule integral I ² t-value (A ² s)	Power dissipation [0,7 x I _n] (W)	Power dissipation (W)	Packaging (pcs)	Weight (g)
10x85	2	002625220	002625230	1,6	1,7	1,13	2,74	10/210 SU: 10/160	15 SU: 17
	4	002625221	002625231	12,5	13	1,19	2,96		
	6	002625222	002625232	21	28	1,33	3,20		
	8	002625223	002625233	22	61	1,60	4,19		
	10	002625224	002625234	53	91	1,63	4,20		
	12	002625225	002625235	41	63	1,31	3,47		
	16	002625226	002625236	141	177	1,57	3,65		
	20	002625227	002625237	212	314	1,68	3,85		
	25	002625228	002625238	273	438	2,17	5,00		

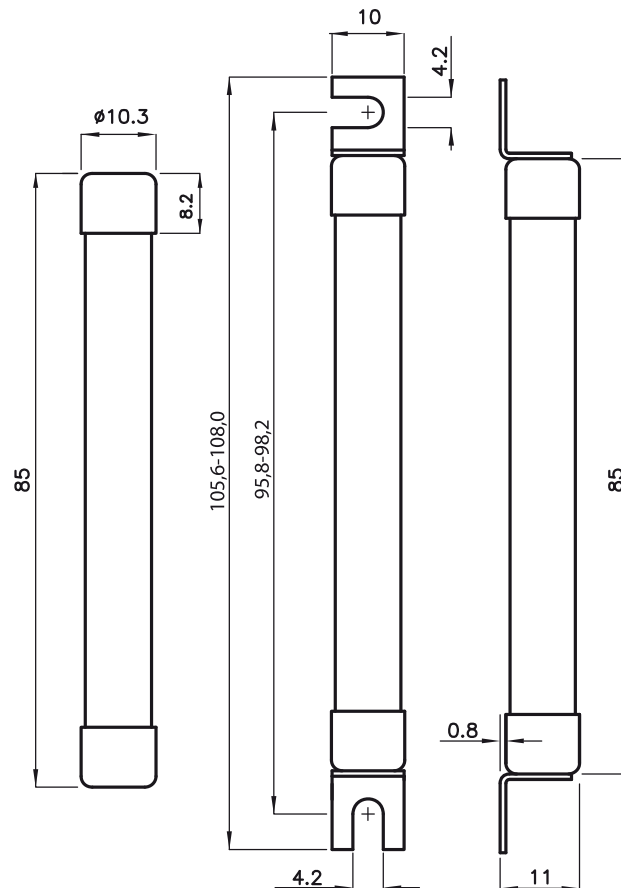


Standard
Contacts



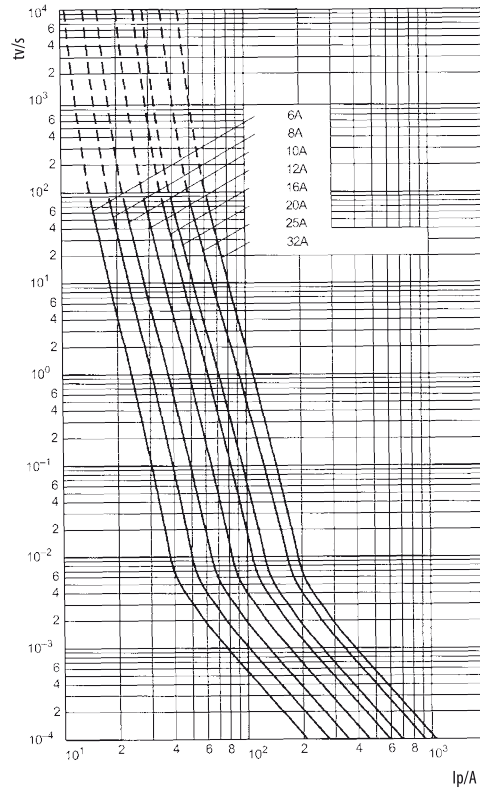
Type SU
Contacts

Dimensions: CH and CH SU

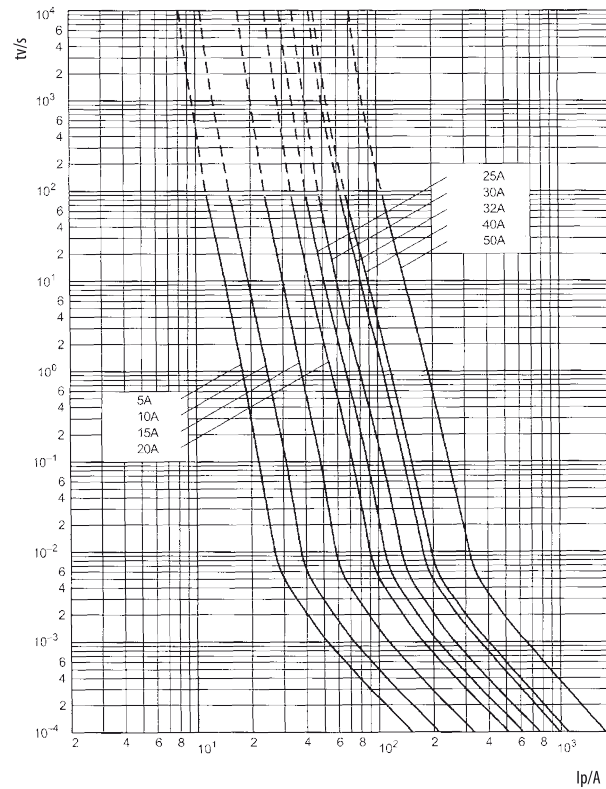


RATED VOLTAGE
~600/690V

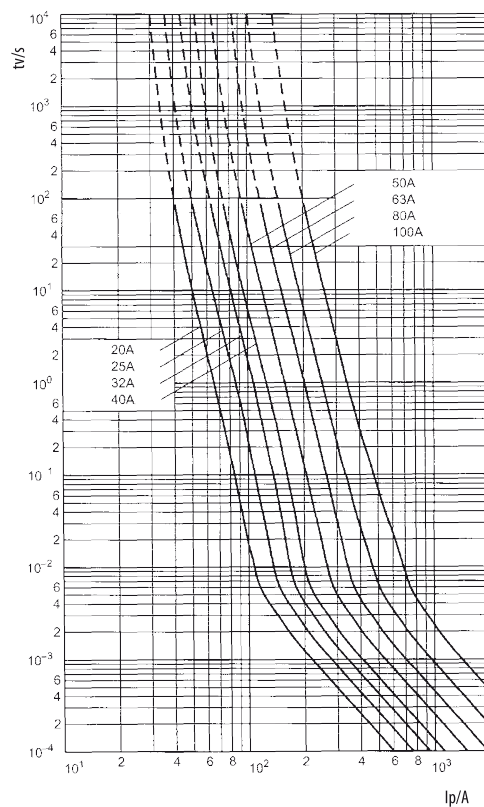
Time/current characteristics of fuse links Ultra quick CH-size 10 x 38



Time/current characteristics of fuse links Ultra quick CH, CH-S-size 14 x 51



Time/current characteristics of fuse links Ultra quick CH, CH-S-size 22 x 58

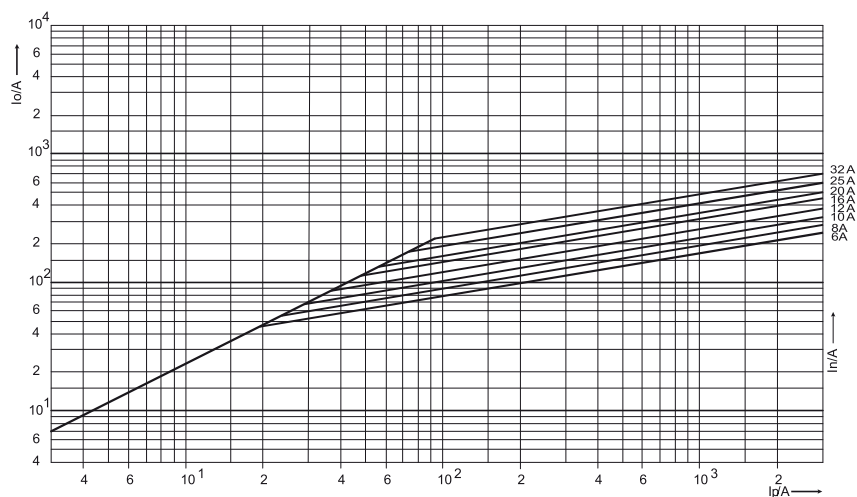


CHARACTERISTICS

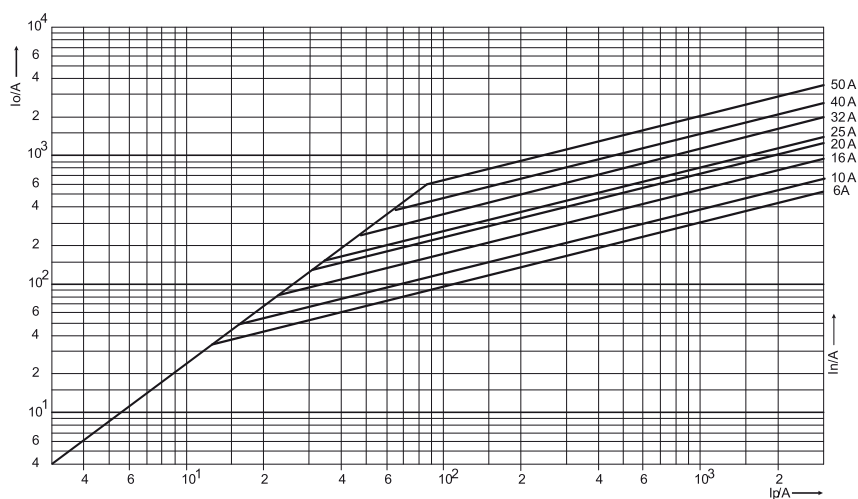
RATED VOLTAGE

~600/690V

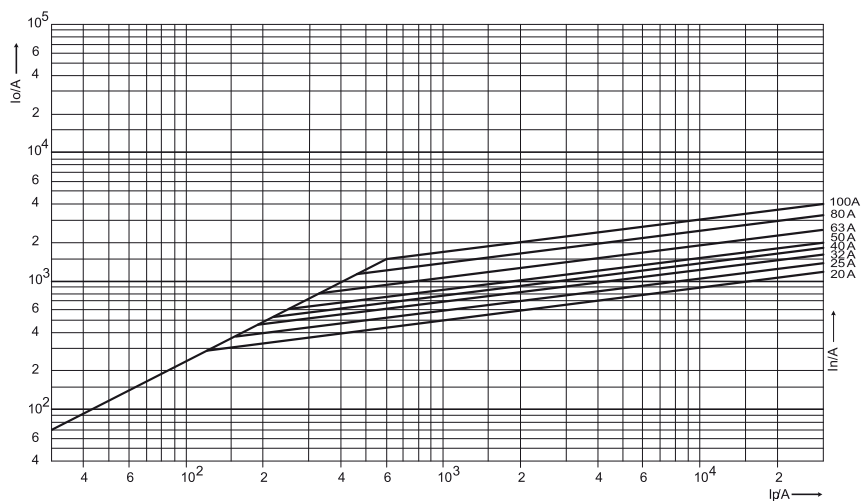
Cut-off characteristics of fuse-links Ultra Quick CH – size 10 x 38



Cut-off characteristics of fuse-links Ultra Quick CH, CH-S – size 14 x 51

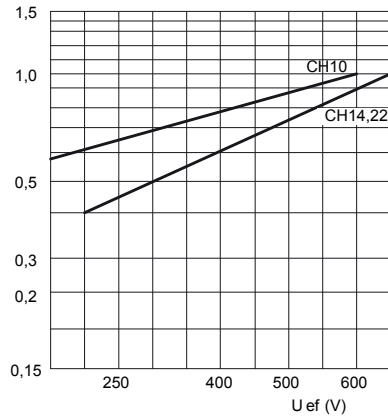


Cut-off characteristics of fuse-links Ultra Quick CH, CH-S – size 22 x 58

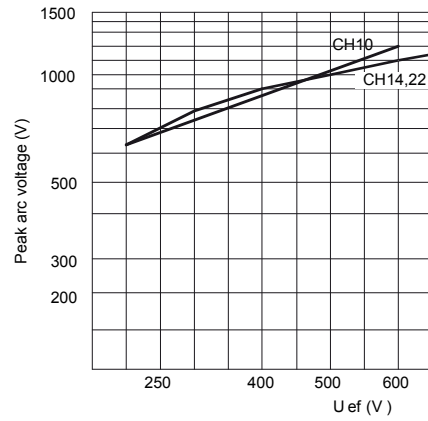


RATED VOLTAGE
~600/690V

Conversion factor for total Joule integral



Maximum arc voltage occurring



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

C

RATED VOLTAGE
~600/690V

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

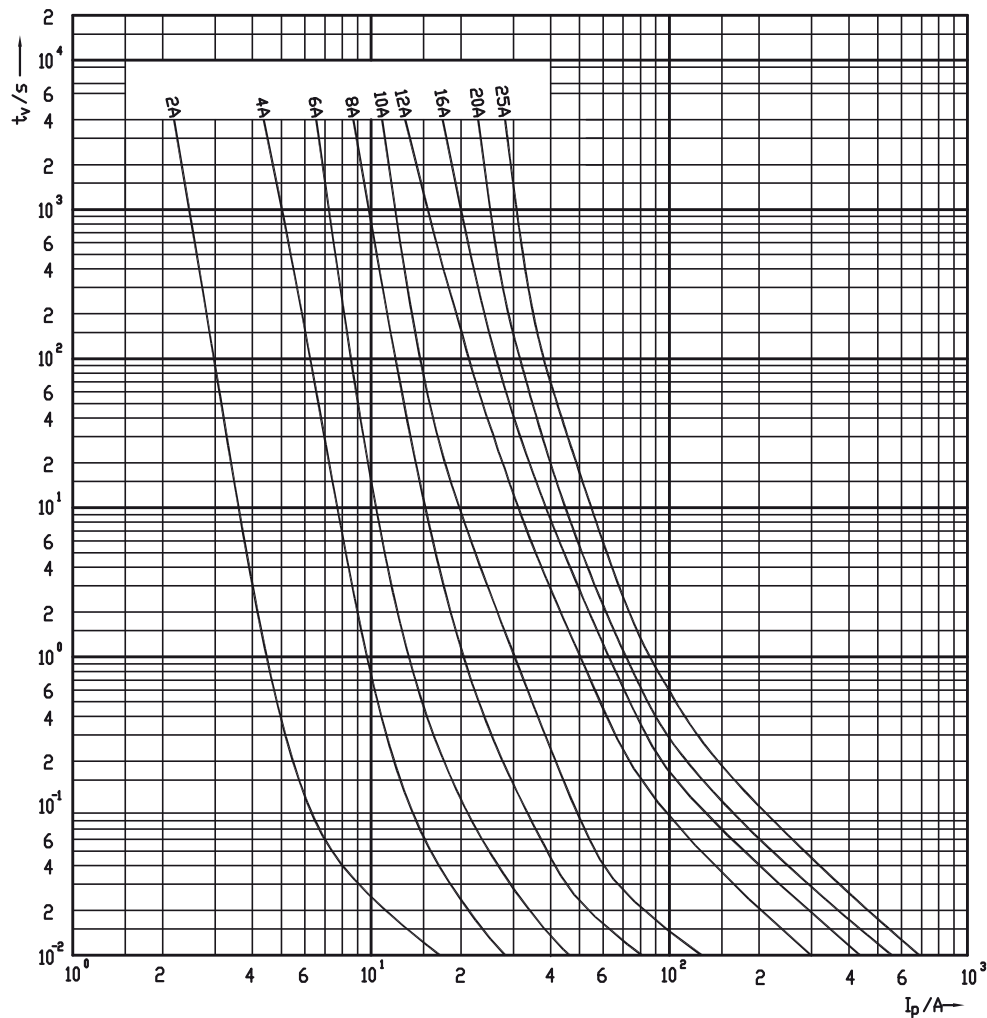
Size	In	Power dissipation	Pre-arcing Joule integral I ² t (1ms)	Operating Joule Integral I ² t ~180V	Operating Joule Integral I ² t ~330V	Operating Joule Integral I ² t ~600/690V
	A	W	A ² s	A ² s	A ² s	A ² s
CH10	6	1,5	4	17	21	30
	8	2	6	29	35	50
	10	2,5	9	40	48	70
	12	3	15	68	83	120
	16	3,5	25	86	104	150
	20	4,8	34	148	179	260
	25	6	60	165	200	290
	32	7,5	95	342	414	600
CH-S 14 CH14	10	4	4	9	10	22
	12	5	6	20	24	50
	16	5,5	10	30	35	75
	20	6	26	72	85	180
	25	7	44	128	150	320
	32	7,6	68	240	282	600
	40	8	84	300	353	750
	50	9	200	720	846	1.800
CH-S 22 CH22	20	5,6	23	104	122	260
	25	5,6	37	164	193	410
	32	7	55	242	284	605
	40	8,5	68	300	353	750
	50	9,5	155	640	752	1.600
	63	11	280	1.232	1.448	3.080
	80	13,5	600	2.640	3.102	6.600
	100	16	1.100	5.000	5.875	12.500

ULTRA QUICK

RATED VOLTAGE

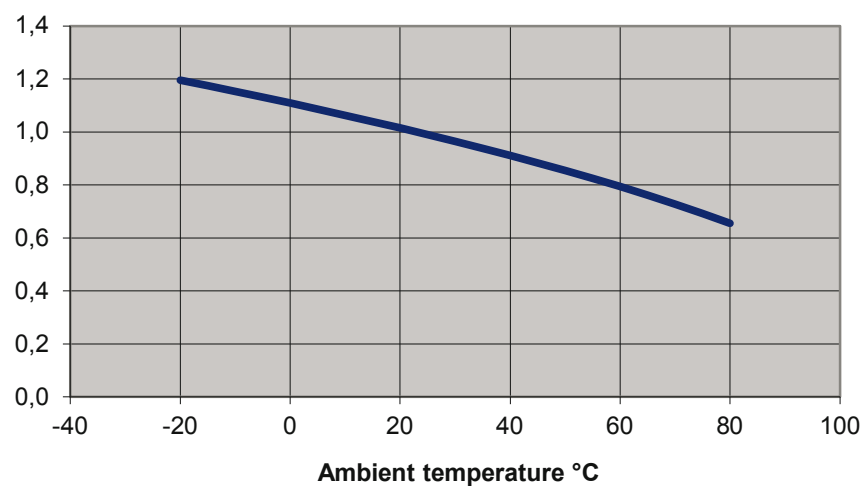
~700V, ~900V

Time/current characteristics of fuse links CH gR size 10 x 38



Tamb (°C)	A1
-20	1,196
-10	1,153
0	1,109
10	1,063
20	1,015
30	0,964
40	0,911
50	0,854
60	0,794
70	0,728
80	0,656

CH10x38 PV temperature derating factor

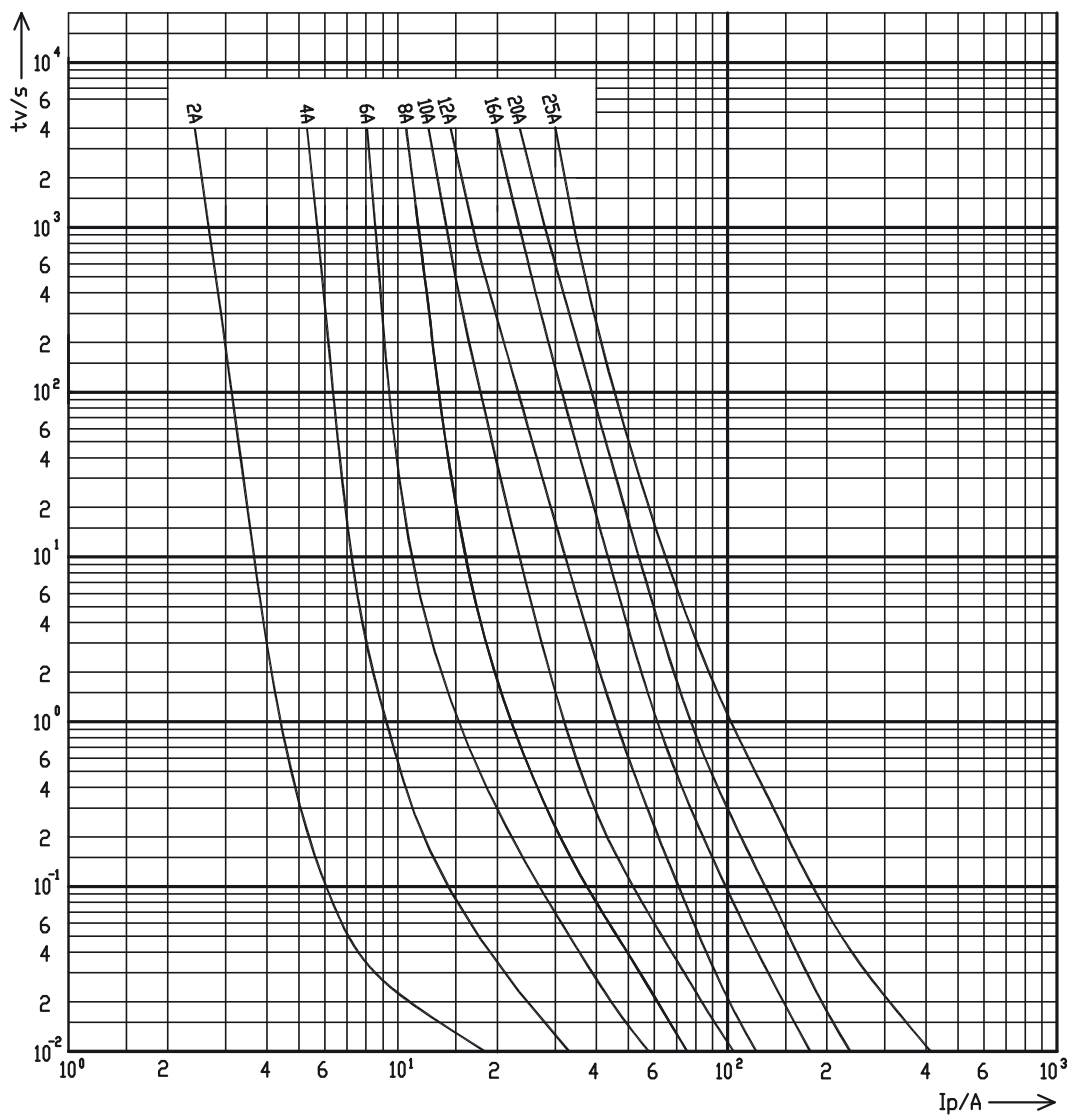


CHARACTERISTICS

RATED VOLTAGE

= 1200V

Time/current characteristics of fuse links CH gR size 10 x 85



Tamb (°C)	A1
-20	1,179
-10	1,140
0	1,100
10	1,057
20	1,014
30	0,968
40	0,919
50	0,869
60	0,815
70	0,757
80	0,694

CH10x85 PV temperature derating factor

