

Technical data on page 62

gR

TYPES CH, CH-S

RATED VOLTAGE

~690V

Application:

Technical data:

Standards: IEC 60269-4 Breaking capacity: ~200 kA Rated voltage: ~600V,~690V Fuse-links of system C are applied in fuse disconnectors EFD, EFH and PCF.





Part Number	Nominal Current (A)	Voltage(AC)	I ² t(A ² Sec)	Dissipation(W)	Fuse Size
NBR-CH14/UQ/10A/690V	10	690V	22	4	14x51mm
NBR-CH14/UQ/12A/690V	12	690V	50	5	14x51mm
NBR-CH14/UQ/16A/690V	16	690V	75	5.5	14x51mm
NBR-CH14/UQ/20A/690V	20	690V	180	6	14x51mm
NBR-CH14/UQ/25A/690V	25	690V	320	7	14x51mm
NBR-CH14/UQ/32A/690V	32	690V	600	7.6	14x51mm
NBR-CH14/UQ/40A/690V	40	690V	750	8	14x51mm
NBR-CH14/UQ/50A/690V	50	690V	1800	9	14x51mm
NBR-CH14/UQ/63A/690V	63	690V	2800	12	14x51mm
NBR-FR22GR69V20T	20	690V	260	5.6	22x58mm
NBR-FR22GR69V25T	25	690V	410	5.6	22x58mm
NBR-FR22GR69V32T	32	690V	605	7	22x58mm
NBR-FR22GR69V40T	40	690V	750	8.5	22x58mm
NBR-FR22GR69V50T	50	690V	1600	9.5	22x58mm
NBR-FR22GR69V63T	63	690V	3080	11	22x58mm
NBR-FR22GR69V80T	80	690V	6600	13.5	22x58mm
NBR-FR22GR69V125T	125	690V	8100	15.4	22x58mm

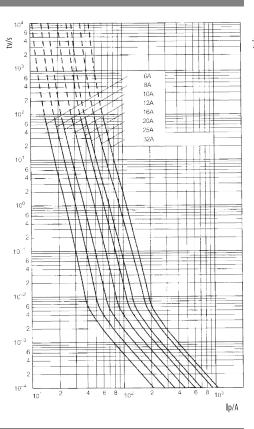
Din Rail Mount Fuseholders available

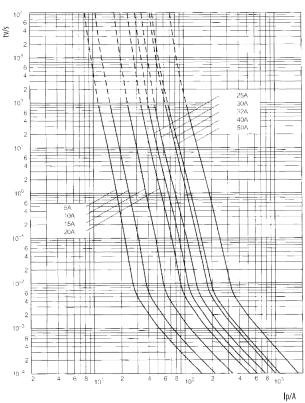


RATED VOLTAGE ~600/690V

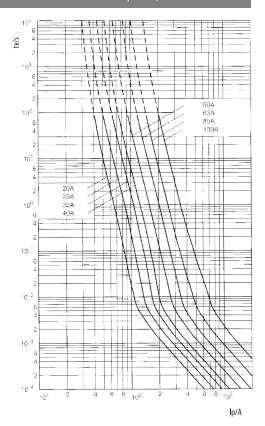
Time/current characteristics of fuse links Ultra guick CH-size 10 x 38







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

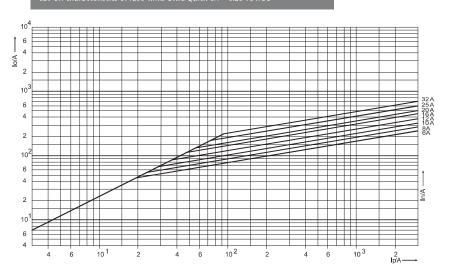


CHARACTERISTICS

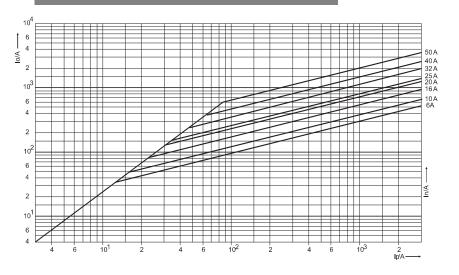
RATED VOLTAGE

~600/690V

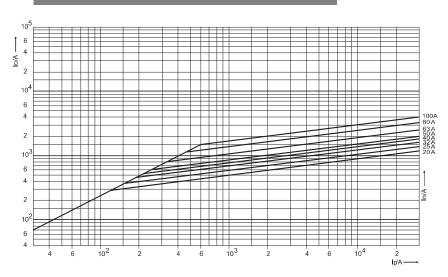
Cut-off characteristics of fuse-links Ultra Quick CH — size 10 x 38



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



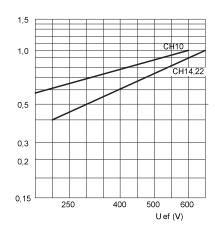
Cut-off characteristics of fuse-links Ultra Quick CH, CH-S — size 22 x 58



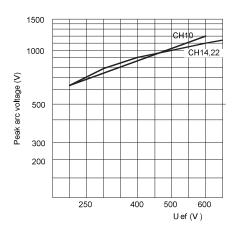


rated voltage ~600/690V

Conversion factor for total Jou**l**e integra**l**



Maximum arc voltage accuring



Correction factor for converting the power dissipation for percentage **l**oa

Correction factor
0,005
0,025
0,063
0.122
0,204
0,31
0,442
0,6
0,785
1





CHARACTERISTICS

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 I²t (1ms)	Operating Joule Integral I ² t ~ 180V	Operating Joule Integral I ² t ~330V	Operating Joule Integral I²t ~600/690V
	А	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



Cartridge Style Din Rail Fuse Holder Mounting



-Fuses above 90 Amp should never be used in cartridge style fuse holders such as RTL18-63L and RTL18-125L. By selecting higher rated fuses, you are choosing a higher I^2t however the maximum current rating of the fuse holder under the ambient conditions remains the same.

-Ratings of 90 Amp are for resistive loads and inductive loads will derate the fuse holder further. Do not exceed the safe level of fuse rating and use. In general if in doubt about the load, or can not use adequate spacing, use 50 Amp rated or less fuses.-For optimum thermal performance, cartridge style fuse holders should be mounted 10-20mm apart, particularly for aR, or gR type fuses.

-If in doubt of the thermal parameters, we encourage you to select open style fuses such as <u>BS88</u> or <u>DIN 43 653/NH style</u> fuses.

Example of Thermal damage: If Fuses have been mounted correctly, and thermal damage is present, discard fuses holders and switch to open style fuses.



