FERRAZ

PROTISTOR ® FUSES

660 V AC
URC - URD from 6 up to 100 A
Sizes: 14x51 - 22x58

- EXTREMELY HIGH INTERRUPTING RATING FUSES: PROTECTION OF POWER SEMI CONDUCTORS ACCORDING TO 269.1 AND 4 IEC STANDARD
- 660 V AC VOLTAGE RATING
- aR-CLASS ACCORDING TO VDE 636-23 AND IEC 269.4
- TWO MODELS ACCORDING TO NF C 63210 AND 63211 WITH AND WITHOUT BLOWN FUSE BUILT-IN TRIP-INDICATOR FOR SIZES 14 x 51 AND 22 x 58
- UL RECOGNIZED (EXCEPT 6 A)*

MAIN CHARACTERISTICS

Voltage rating U_N(VAC)	Size	Class	Current rating I_N (A)	Pre-arcing I^2t @ 1 ms I^2t_p (A^2s)	Total clearing I^2t @ (A^2s) 660 V		Watt losses 0.8 I_N	Watt losses I_N	Tested interrupting rating
660 V	14 x 51	URC	6	1.3	17.5*		1.1	2	100 kA @ 660 V
			8	2.4	27.5		1.6	2.8	
			10	4.3	40		2	3.5	
			12	5.4	60		2.45	4.4	
			16	13.2	100		2.7	4.8	
			20	27	160		2.9	5.2	
			25	53	275		3.2	5.8	
			32	98	500		3.9	7	
			40 (1)	130	700		6	10.7	
			50 (1)	280	1500		6.3	11.6	
	22 x 58	URD			$7\,I_N < I_p < 30\,I_N$	$I_p \geq 30\,I_N$			
			40 (2)	130	850	700	6	10.7	100 kA @ 660 V
			50 (2)	280	1850	1500	6.3	11.6	
		URD	25	22	125		5.2	10	100 kA @ 660 V
			32	49	275		5.7	11	
			40	88	480		6.8	13	
			50	155	800		7.8	14.9	
			63	350	1850		8.4	16	
			80	730	3800		9.4	17.8	
			100	1560	8000		10	19	

* Without trip-indicator I^2t : 15 A^2s.
(1) No trip-indicator available for this model.
(2) Models available only with trip-indicator.
Minimum operating voltage for built-in trip-indicator:20 V.

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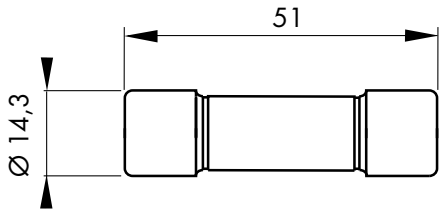
CP3P1 / 3P1 31019 GB
RA 0308 A

GROUPE CARBONE LORRAINE

PART #s

All the fuses presented on this page are (except 6 A)*

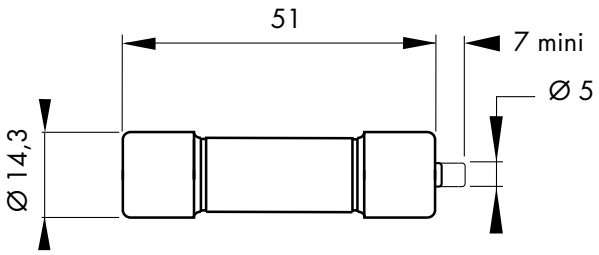
14x51 - Without blown fuse indication



Weight : 18g
Packaging : 10 pieces

Current Rating	Code	Part #
6 A	6.600 CP URC 14.51/6*	K 081475
8 A	6.600 CP URC 14.51/8	S 093902
10 A	6.600 CP URC 14.51/10	T 093903
12 A	6.600 CP URC 14.51/12	V 093904
16 A	6.600 CP URC 14.51/16	W 093905
20 A	6.600 CP URC 14.51/20	X 093906
25 A	6.600 CP URC 14.51/25	Y 093907
32 A	6.600 CP URC 14.51/32	Z 093908
40 A	6.600 CP URC 14.51/40	A 093909
50 A	6.600 CP URC 14.51/50	B 093910

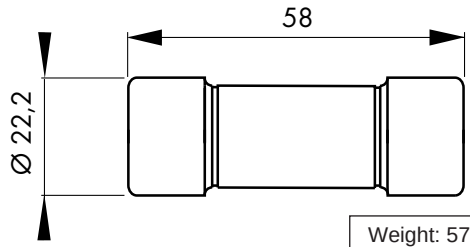
14x51 - With blown fuse trip-indicator



Weight : 18g
Packaging : 10 pieces

Current Rating	Code	Part #
6 A	6.621 CP URC 14.51/6*	G 081518
8 A	6.621 CP URC 14.51/8	C 093911
10 A	6.621 CP URC 14.51/10	D 093912
12 A	6.621 CP URC 14.51/12	E 093913
16 A	6.621 CP URC 14.51/16	F 093914
20 A	6.621 CP URC 14.51/20	G 093915
25 A	6.621 CP URC 14.51/25	H 093916
32 A	6.621 CP URC 14.51/32	J 093917
40 A	6.621 CP URD 14.51/40	T 100136
50 A	6.621 CP URD 14.51/50	V 100137

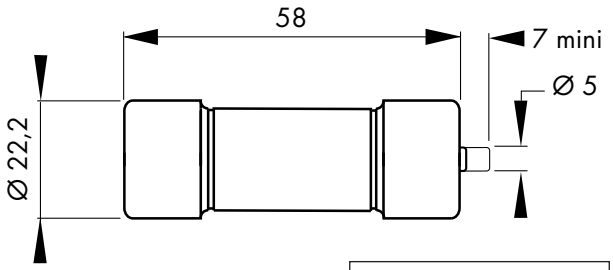
22x58 - Without blown fuse indication



Weight: 57 g
Packaging: 10 pieces

Current Rating	Code	Part #
25 A	6.600 CP URD 22x58/25	B 093956
32 A	6.600 CP URD 22x58/32	Z 094828
40 A	6.600 CP URD 22x58/40	S 094822
50 A	6.600 CP URD 22x58/50	W 094779
63 A	6.600 CP URD 22x58/63	T 094823
80 A	6.600 CP URD 22x58/80	A 094829
100 A	6.600 CP URD 22x58/100	Y 094827

22x58 - With blown fuse trip-indicator



Weight: 57 g
Packaging: 10 pieces

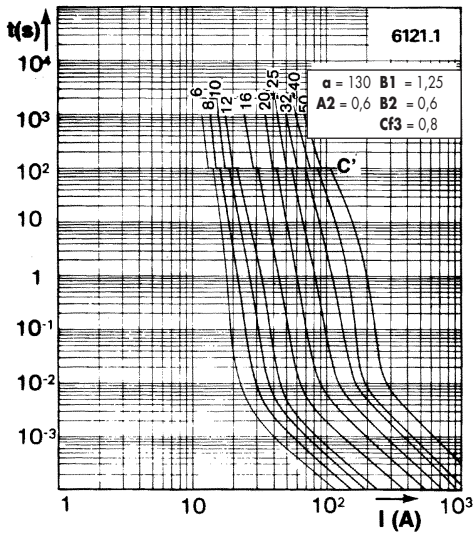
Current Rating	Code	Part #
25 A	6.621 CP URD 22x58/ 25	H 093801
32 A	6.621 CP URD 22x58/ 32	C 093957
40 A	6.621 CP URD 22x58/ 40	J 093802
50 A	6.621 CP URD 22x58/ 50	D 093958
63 A	6.621 CP URD 22x58/ 63	K 093803
80 A	6.621 CP URD 22x58/ 80	E 093959
100 A	6.621 CP URD 22x58/100	F 093960

Fuses, mounted in clips, fuse holders, fuse disconnectors see data sheets part #s : N 600312 - F 600282 - J 600308 - L 600310

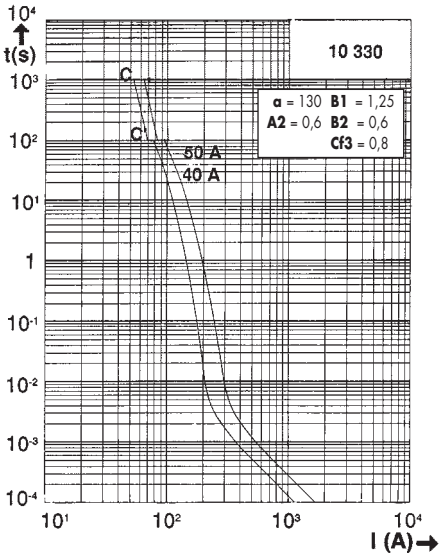
ELECTRICAL CHARACTERISTICS

Time vs current characteristics

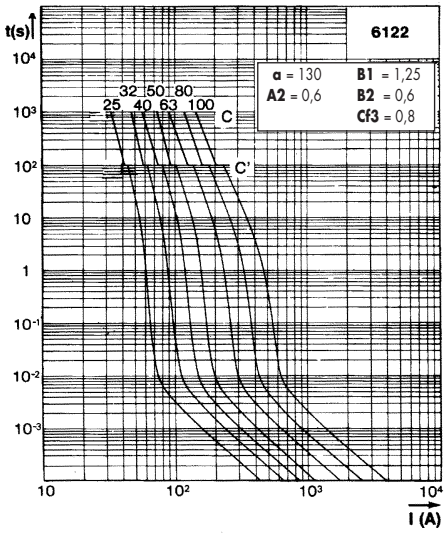
14x51 URC



14x51 URD



22x58 URD

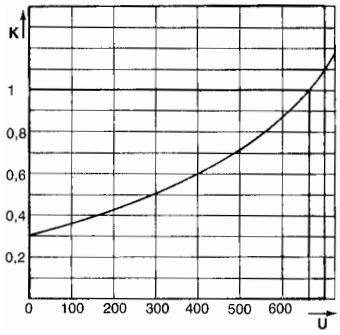


These curves indicate, for each rated current, the pre-arcing time vs. the R.M.S. pre-arcing current.
For each rated current tolerance for the mean pre-arcing current ± 10%.

Corrective factor - Peak arc voltage

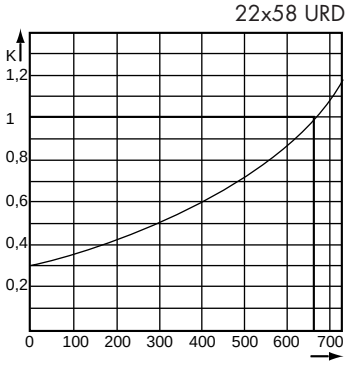
Corrective factor

14x51 URC - URD



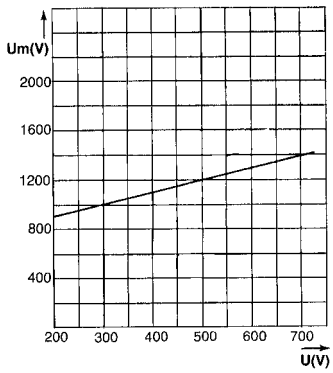
The mean curves show the variation of the total clearing time (I^2t_f) and the total clearing duration t_f as a function of operating voltage U.

22x58 URD



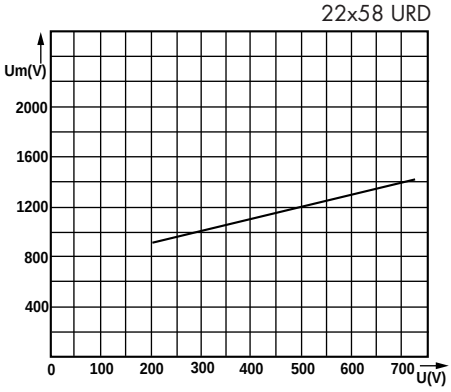
Peak arc voltage

14x51 URC - URD

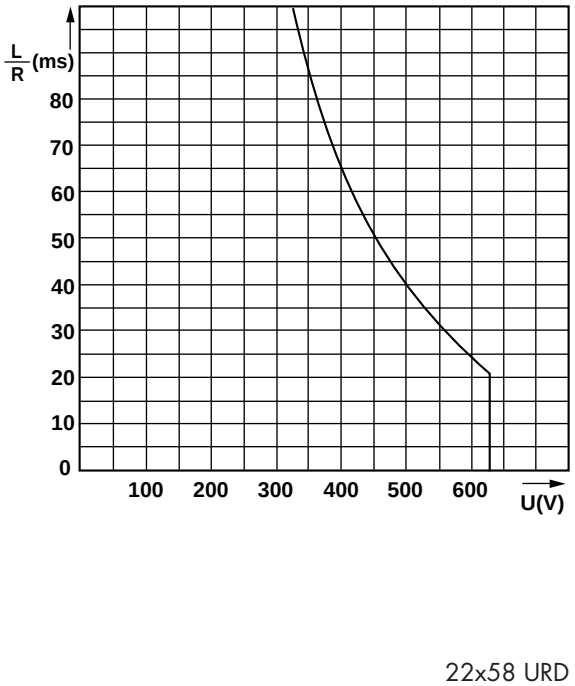


This curve shows the peak value Um of the arc voltage which appears across the fuse link as a function of the operating voltage U @ cos φ = 0.15.

22x58 URD

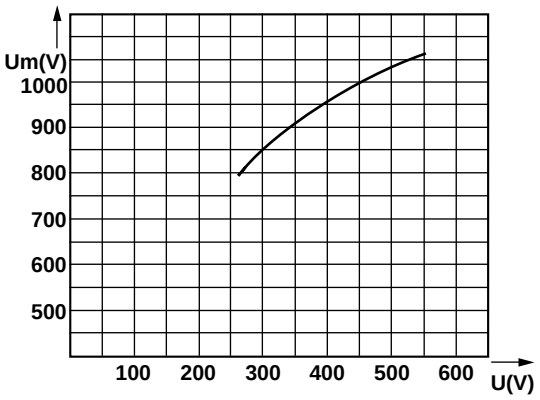


14x51 URC - URD



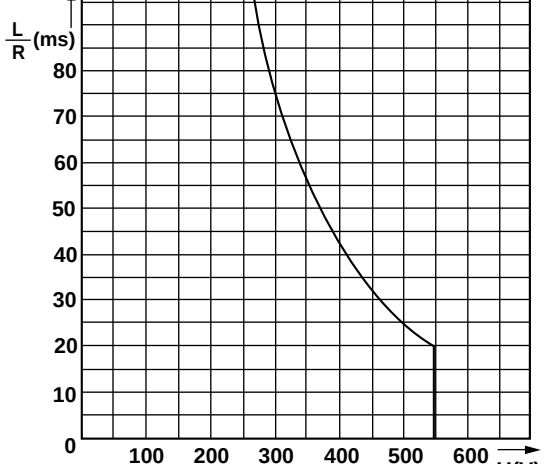
This curve indicates the permissible value of time constant L/R as a function of the D.C. working voltage

14x51 URC - URD



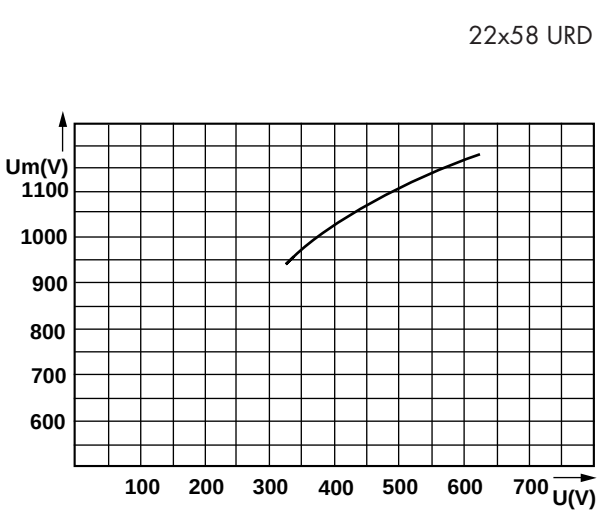
The minimum breaking current : see time current characteristics

22x58 URD



This curve shows the peak value Um of the arc voltage which appears across the fuse link as a function of the operating voltage U.

22x58 URD



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