

Semiconductor Fuses



European Fuses

French Ferrule

6.900-6.921 cp gRC-URD

600 - 690 V ~

gRC - URD from 20 to 135 A

Size: 22 x 58

- EXTREMELY HIGH INTERRUPTING RATING FUSES:
PROTECTION OF SEMICONDUCTORS
IN COMPLIANCE WITH IEC STANDARD 269.1 AND 4
- 690 V VOLTAGE RATING (CURRENT RATING 20 TO 100 A)
AS PER IEC 33
- gR CLASS (CURRENT RATING 20 TO 100 A) ACCORDING TO
VDE 636-23
 - CLEARING ALL OVERLOADS
 - IMPROVED SAFETY AND PROTECTION
 - ENABLING SELECTIVE COORDINATION AMONG ALL
DISTRIBUTION CIRCUIT FUSES
- aR CLASS (CURRENT RATING 125 AND 135 A) AS PER VDE 636-23
AND IEC 269.4
- TWO MODELS COMPLYING WITH NF C 63210 AND 63211
WITH OR WITHOUT TRIP-INDICATOR
- gRC FUSES ARE 700VAC-DC UL RECOGNIZED 



MAIN CHARACTERISTICS

Voltage rating U_N (V)	Class	Current rating I_N (A)	Pre-arcing $I^2_t @ 1 \text{ ms}$ I^2_{tp} (A ² s)	Total clearing $I^2_t @ U_N$ I^2_{tt} (A ² s)	Watts loss		Tested interrupting rating	Estimated interrupting rating
					$0.8 I_N$	I_N		
690	gRC	20	17	125	4.0	6.5	100k A @ 690 V	300k A @ 690 V
		25	39	280	4.5	7.5		
		32	72	490	5.0	9.0		
		40	118	785	5.5	10		
		50	242	1390	7.0	11.5		
		63	430	2460	8.0	13.5		
		80	970	5565	9.0	15.5		
		100	2080	11950	10	17		
600	URD	125	2900	14000	14	22	100k A @ 600 V	300k A @ 600 V
		135	3360	17700	15	25		

Minimum operating voltage for the trip-indicator: 20 V

See Fuse Blocks and Fuse Holders section and Medium Voltage fuse clips



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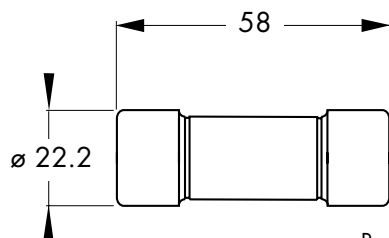


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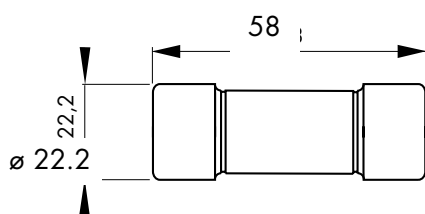
22 X 58 WITHOUT TRIP-INDICATOR



Weight: 57 g
Packaging: 10 pieces

Current rating	Catalog Number	Ref. Number
20	6,900 CP gRC 22.58 20	C 220940
25	6,900 CP gRC 22.58 25	B 220916
32	6,900 CP gRC 22.58 32	A 220915
40	6,900 CP gRC 22.58 40	Z 220914
50	6,900 CP gRC 22.58 50	Y 220913
63	6,900 CP gRC 22.58 63	X 220912
80	6,900 CP gRC 22.58 80	Y 220821
100	6,900 CP gRC 22.58 100	W 220911

22 X 58 WITH TRIP-INDICATOR



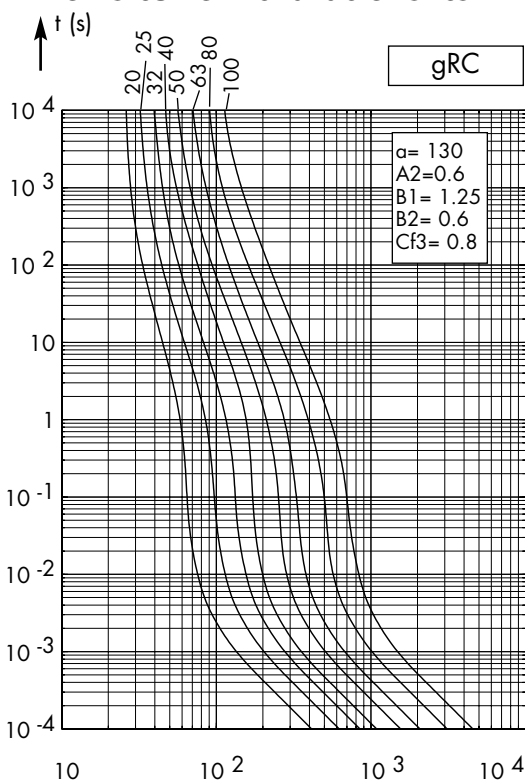
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Weight: 57 g
Packaging: 10 pieces

Current rating	Catalog Number	Ref. Number
20	6,921 CP gRC 22.58 20	D 220734
25	6,921 CP gRC 22.58 25	G 220921
32	6,921 CP gRC 22.58 32	F 220920
40	6,921 CP gRC 22.58 40	E 220919
50	6,921 CP gRC 22.58 50	D 220918
63	6,921 CP gRC 22.58 63	C 220733
80	6,921 CP gRC 22.58 80	X 220820
100	6,921 CP gRC 22.58 100	C 220917
125	621 CP URD 22.58 125	A 220708
135	621 CP URD 22.58 135	B 220709

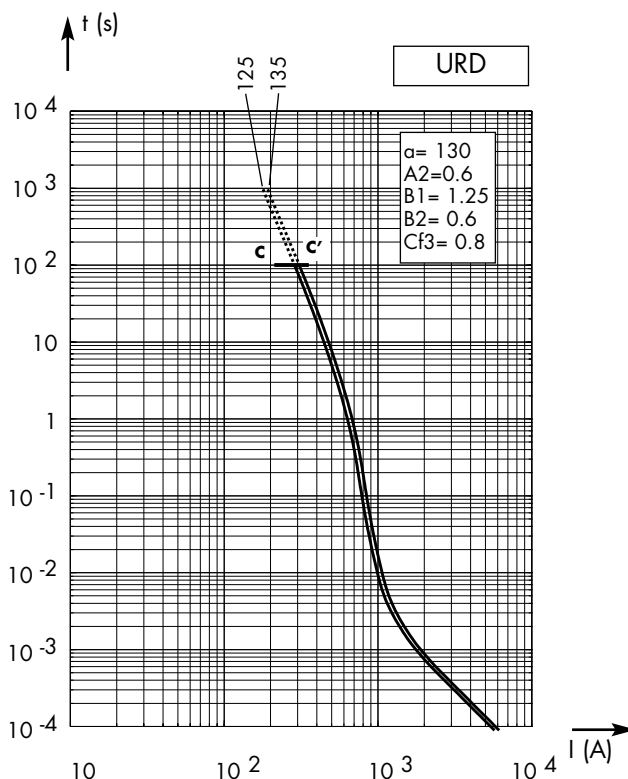
US except 125 and 135A rating

ELECTRICAL CHARACTERISTICS

Time vs current characteristics



These curves indicate, for each rated current, pre-arcing time vs. R.M.S. pre-arcing current



Tolerance for mean pre-arcing current
± 9% for all current ratings