URGD

SEMICONDUCTOR PROTECTION FUSES

PROTISTOR® FUSES
600V - 690V AC
URGD from 63 up to 250A
SIZES: 27 X 60mm

Features/Benefits

- **Extremely high Interrupting rating Fuses:** Protection of power Semiconductors according to IEC 269.1 and 4
- **600V-690V AC Voltage Rating**
- **aR Class** according to VDE 636-23 and IEC 269.4
- Model according to NF C 63210 and 63211 with built-in blown fuse indication

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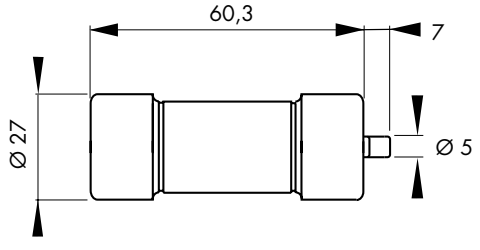
APPLICATIONS DATA

Voltage rating U_N(VAC)	Class	Current rating I_N(A)	Melting I^2t @ 1 ms I^2t_p (A^2s)	Total clearing I^2t @ U_N I^2t_t (A^2s)	Watt losses 0.8 I_N	Watt losses I_N	Tested interrupting rating
690 V	URGD	63 80 100 125 160 200	405 860 1620 3425 6480 13700	1840 3750 6800 13600 24600 61500	12 13.5 15 16 17 18.5	22 24.6 27 29.5 32.5 35.7	200 kA @ 690 V
600 V	URGD	250	29600	107000	21	40	200 kA @ 600 V

Minimum operating voltage for trip-indicator: 20 V

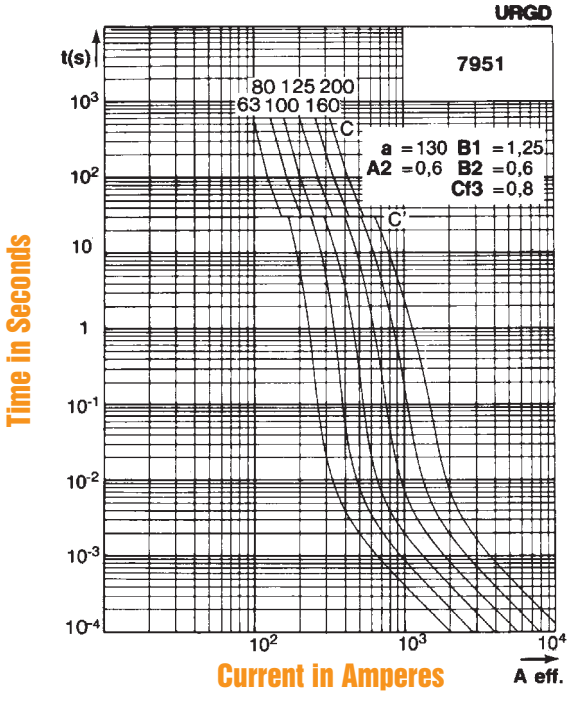
PART NUMBERS

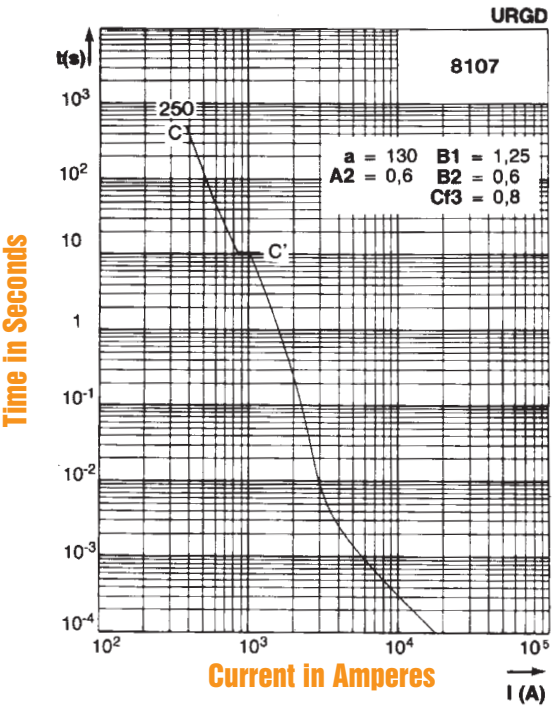
27x60 - With blown fuse trip-indicator



TYPE	VOLTAGE	CURRENT RATING	CATALOG NO.	REF #
URGD	690 V	63 A	6,921 CP URGD 27x60/ 63	A 076820
		80 A	6,921 CP URGD 27x60/ 80	B 076821
		100 A	6,921 CP URGD 27x60/100	C 076822
		125 A	6,921 CP URGD 27x60/125	D 076823
		160 A	6,921 CP URGD 27x60/160	E 076824
		200 A	6,921 CP URGD 27x60/200	F 076825
URGD	600 V	250 A	6,921 CP URGD 27x60/250	W 076264

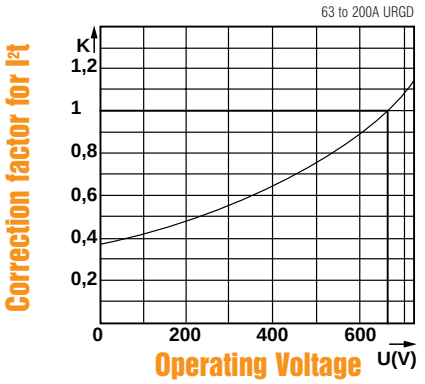
Melting Time-Current Data



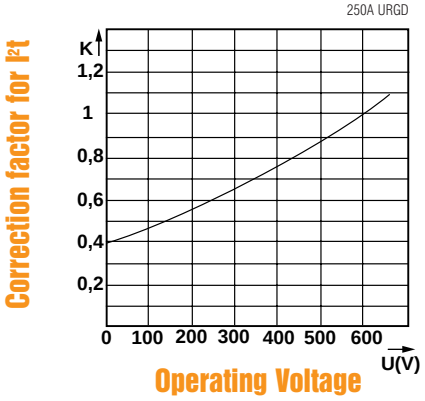


These curves indicate, for each rated current, the pre-arcing (melting) time vs. the R.M.S. pre-arcing current.

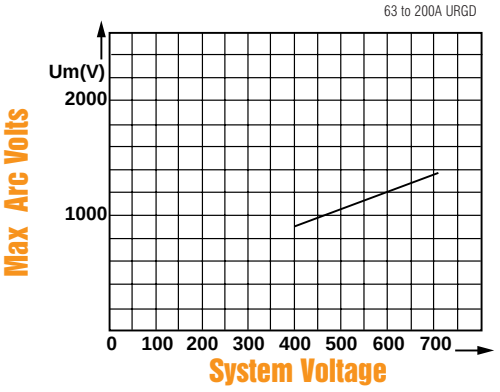
Clearing I²t vs. AC Operating Voltage



Correction factor to determine the clearing I²t of a fuse operating below its rated voltage.



Peak arc voltage vs. Operating Voltage



These curves determine the peak arc voltage across the fuse terminals as a function of the applied voltage.