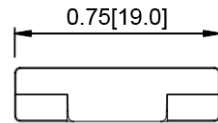
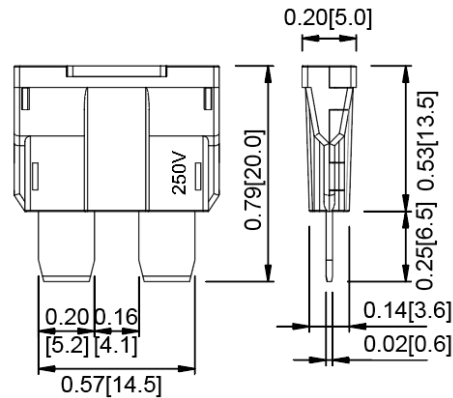


Mechanical Dimensions: Inches [mm]



Tolerances: [mm]

Tolerances : Unless Otherwise Specified		
Dimension	Critical To Function	General
< 1	+/- 0.02	+/- 0.03
1 ~ 7.999	+/- 0.1	+/- 0.2
8 ~ 24.995	+/- 0.15	+/- 0.25



Part Numbers Information

Bulk Part #	Amperage	Body Color	Cold Resistance (mΩ)
ANR250-UL-500MA	500mA	Dark Blue	290
ANR250-UL-1A	1A	Black	95
ANR250-UL-2A	2A	Grey	43
ANR250-UL-3A	3A	Violet	26
ANR250-UL-4A	4A	Pink	19
ANR250-UL-5A	5A	Tan	14.2
ANR250-UL-6A	6A	Light Red	12.5
ANR250-UL-7A	7A	Light Orange	10.5
ANR250-UL-7.5A	7.5A	Brown	9.2
ANR250-UL-8A	8A	Light Yellow	8.5
ANR250-UL-10A	10A	Red	6.15
ANR250-UL-12A	12A	Light Pink	5.1
ANR250-UL-15A	15A	Blue	3.45
ANR250-UL-16A	16A	Light Green	3
ANR250-UL-20A	20A	Yellow	2.5
ANR250-UL-25A	25A	Clear	1.75
ANR250-UL-30A	30A	Green	1.25
ANR250-UL-35A	35A	Blue Green	1.1
ANR250-UL-40A	40A	Orange	0.9

Electrical Specifications

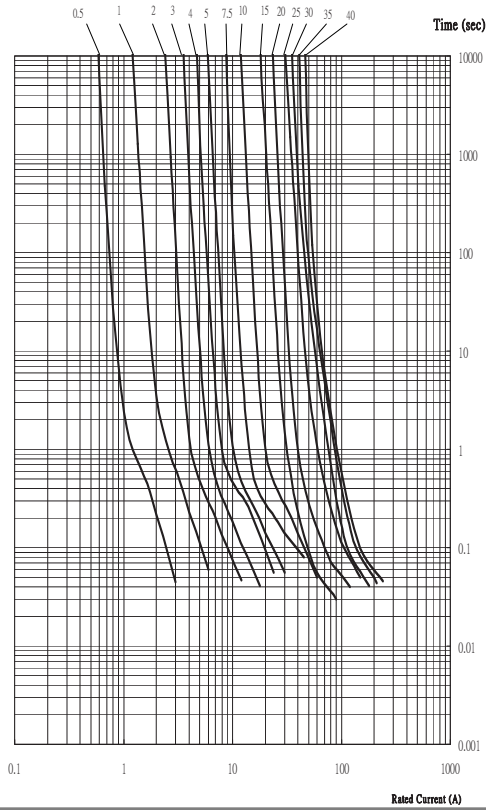
Rated Voltage	80VDC; 250VAC
Interrupting Rating	1000A @ 58VDC; 1000A @ 80VDC; 400A @ 250VAC
Testing	SAE J1284; SAE J2576; ISO 8820-3;



Material Specifications

Body Material	Nylon 66 with 30% Fiber Glass (UL94V-0)
Element Material	Tin Plated Alloy Wire
Terminal Material	Copper Alloy, Tin Plated

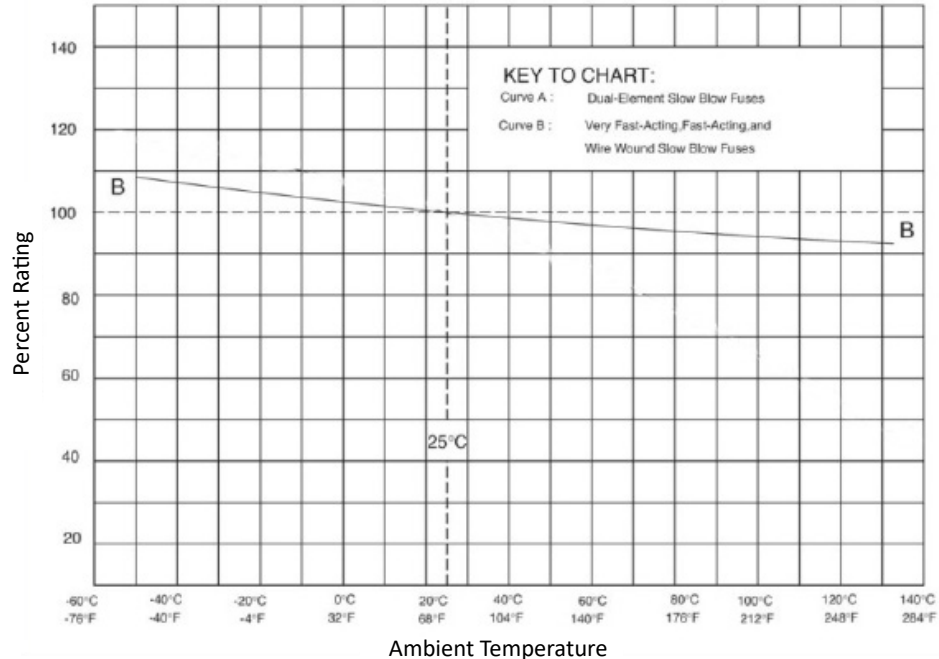
Time vs. Percent of Rated Current



% of Rated Current	Opening Time (0.5A-30A)		Opening Time (35A-40A)	
	Min	Max	Min	Max
100%	-	-	Carry	Carry
110%	Carry	Carry	-	-
135%	0.75s	3600s	0.75s	3600s
200%	0.15s	60s	0.15s	60s
350%	0.04s	1s	0.04s	1s
400%	0.02s	0.5s	0.02s	0.5s
600%	0.01s	0.1s	0.01s	0.1s

Temperature De-Rating Curve

CHART SHOWING EFFECT OF AMBIENT TEMPERATURE ON CURRENT-CARRYING CAPACITY



Temperature Rating	-40 °C	-30 °C	-20 °C	-10 °C	0 °C	10 °C	20 °C	25 °C	30 °C	40 °C	50 °C	60 °C	70 °C	80 °C	90 °C	100 °C
Percent of Rating	107	106	105	104	103	102	101	100	99.5	99	98	97	96	95	94	93

Rev **Date of issue** **Revision Notes**

Designed **Approved**

B	08-06-2024	Updated Time vs. Percent of Rated Current and Temperature De-Rating Curve	RC	OF
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