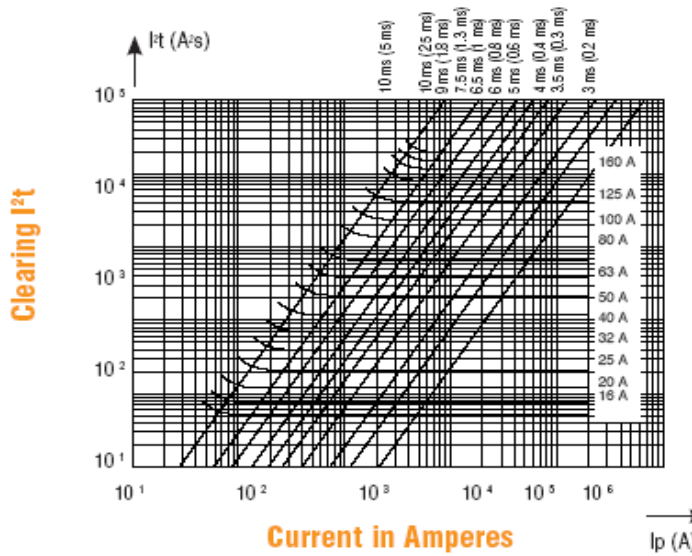
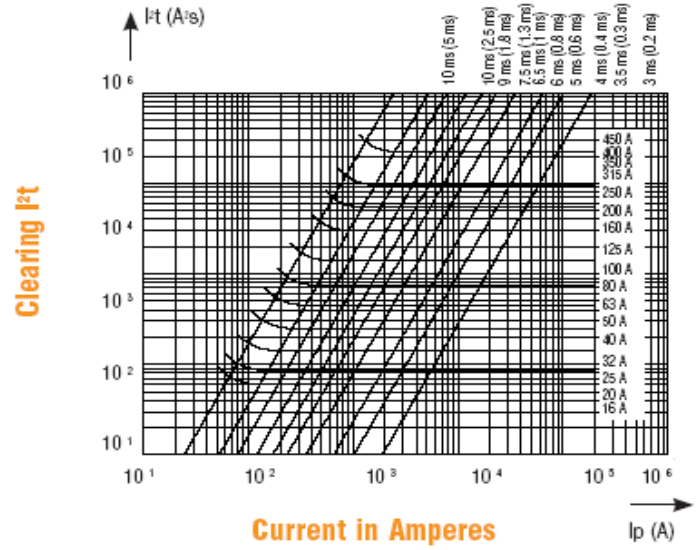


# ELECTRICAL CHARACTERISTICS

## Total Clearing $I^2t$ - gRB

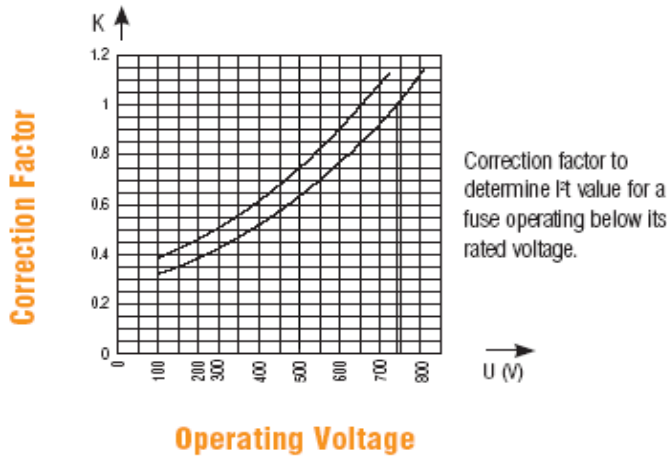


## Total Clearing $I^2t$ - URB

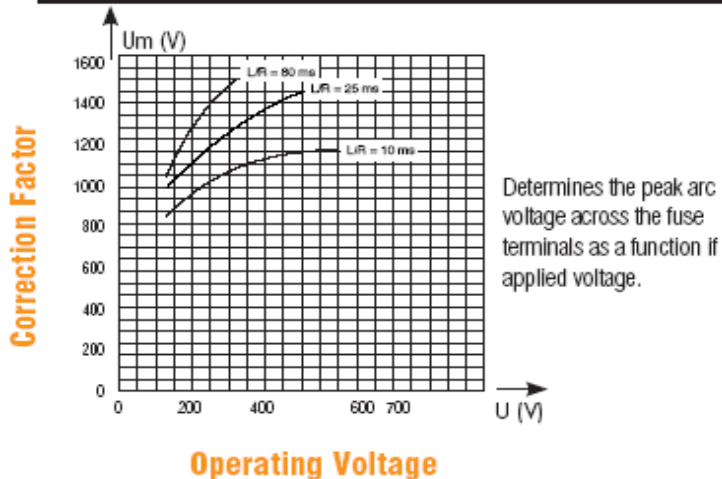


The flat curves show for each rated current the maximum values of total clearing  $I^2t$  ( $I^2t_f$ ) as a function of a prospective current  $I_p$ . @  $U_N$  with  $\cos \phi = 0.15$ . The crosswise lines indicate the total clearing duration  $T_t$  and the associated pre-arcing duration in brackets.

## $I^2t$ Correction Factor



## Peak Arc Voltage

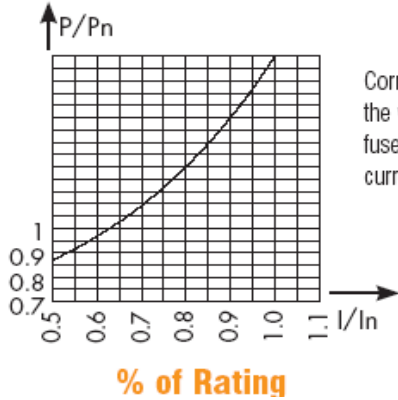


FERRAZ SHAWMUT IS NOW

**MERSEN**

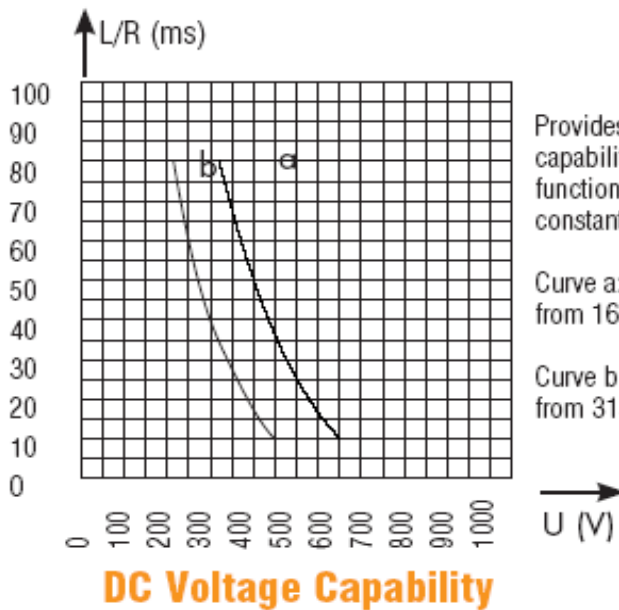
**Watt Loss Correction**

Correction Factor



**D.C. Voltage capability vs. Time Constant**

Time Constant (L/R)

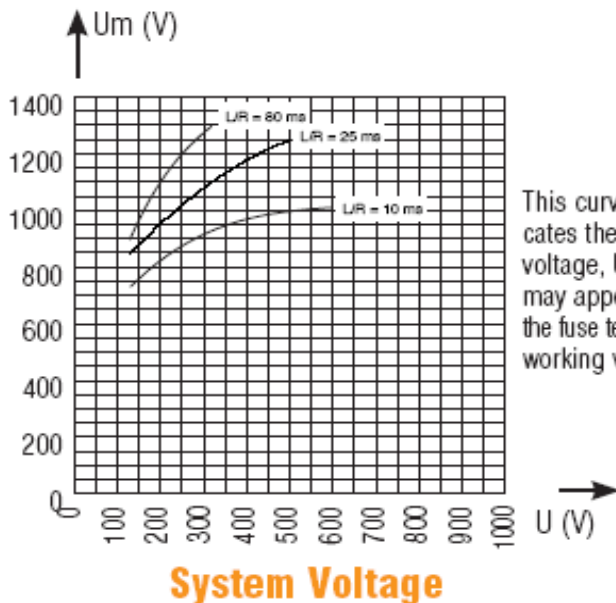


Rated Current	Curve	I <sub>pm</sub> (A)	
		gRB	URB
16	a	32	32
20	a	40	40
25	a	50	50
32	a	64	64
40	a	80	80
50	a	100	100
63	a	126	126
80	a	160	170
100	a	200	220
125	a	250	280
160	a	320	390
200	a		510
250	a		650
315	b		840
350	b		1770
400	b		2040
450	b		2250

The I<sub>pm</sub> values give the minimum DC interrupting current in amps.

**DC Peak Arc Voltage**

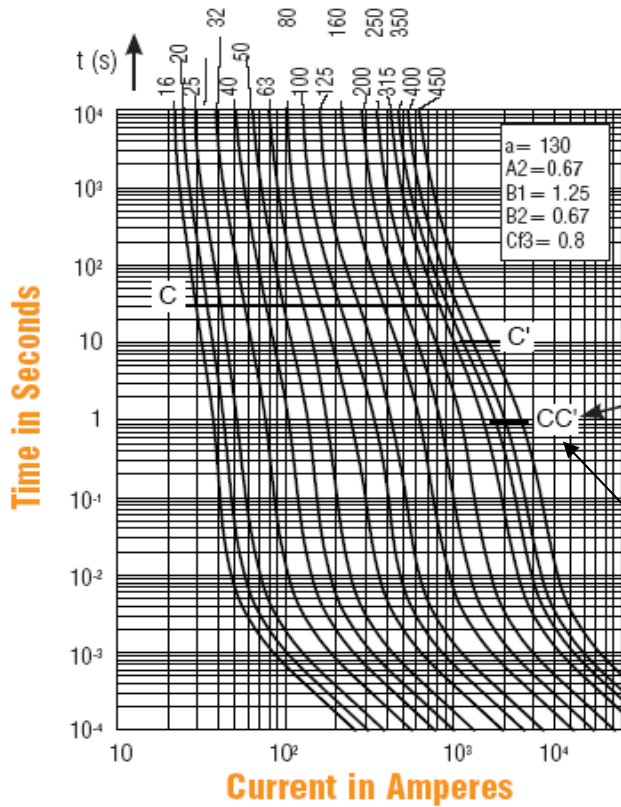
Max Arc Voltage



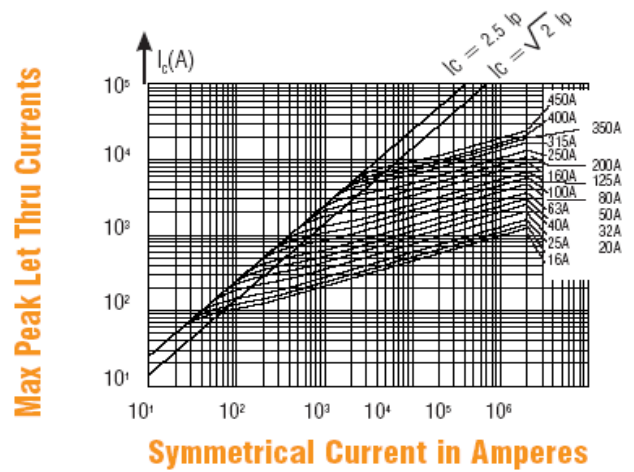
FERRAZ SHAWMUT IS NOW



**Melting Time - Current Data - URB**



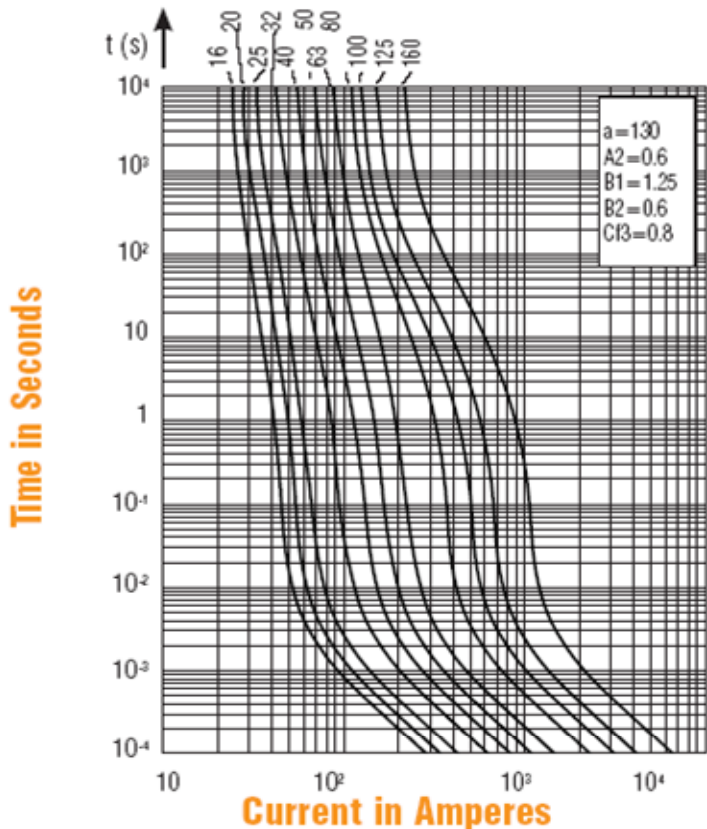
**Peak Let-Through Data - URB**



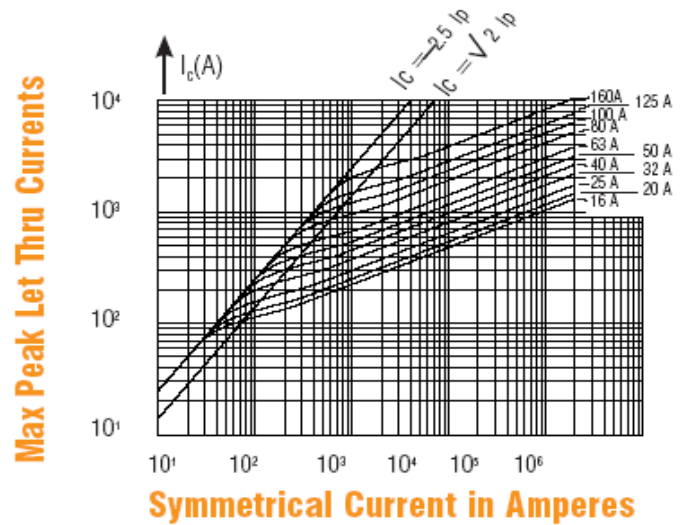
These curves indicate, for each rated current, the pre-arcing time vs. the R.M.S. pre-arcing current.

Tolerance for the mean pre-arcing current  $\pm 8\%$ .

**Melting Time - Current Data - gRB**



**Peak Let-Through Data - gRB**



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