

Electrical Characteristics:

Times vs current characteristics

The following curve indicate, for each rated current, pre-arcing time as a function of RMS value of pre-arcing current I.

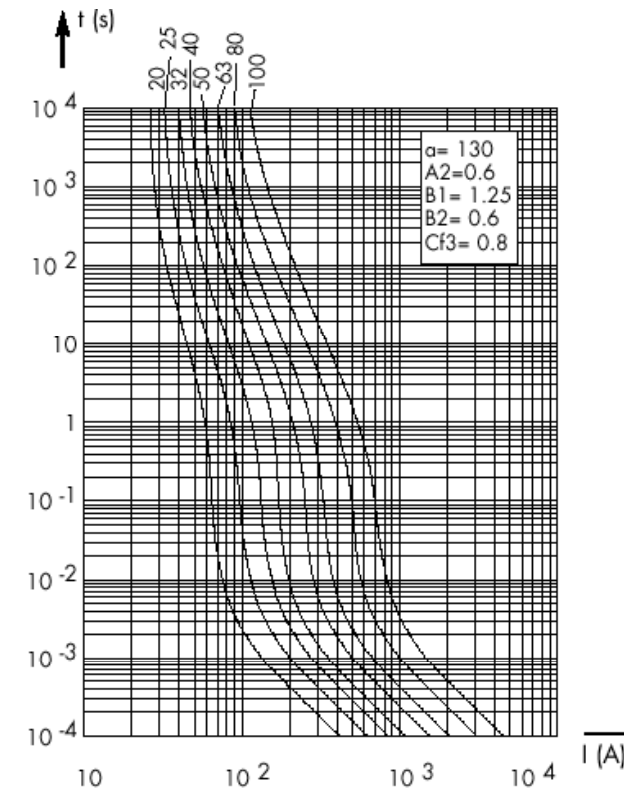
Tolerance for mean pre-arcing current:

±10% = ratings from 1, 2, 4A

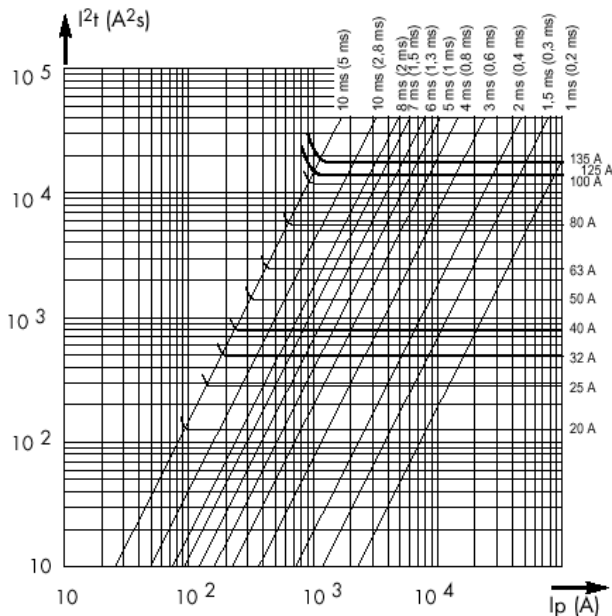
± 8% = ratings from 6 to 63A

Fuses with gR characteristics can eliminate all overloads.

They do not show a minimum breaking capacity but limit currents of non-operation or operation in compliance with standard VDE 636/23.

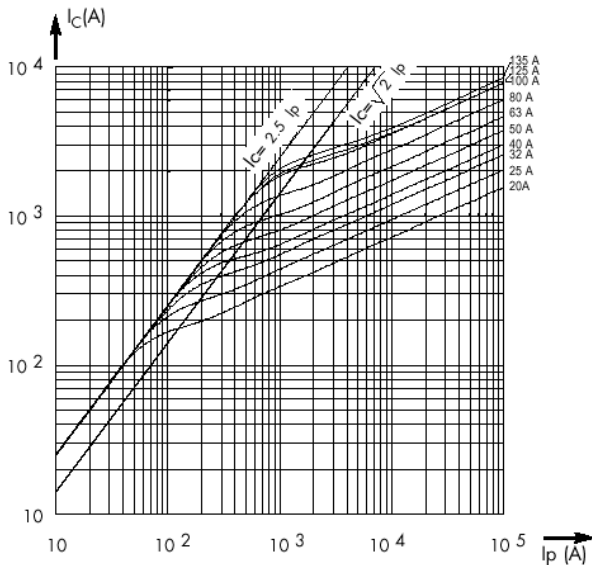


Total clearing I²T:



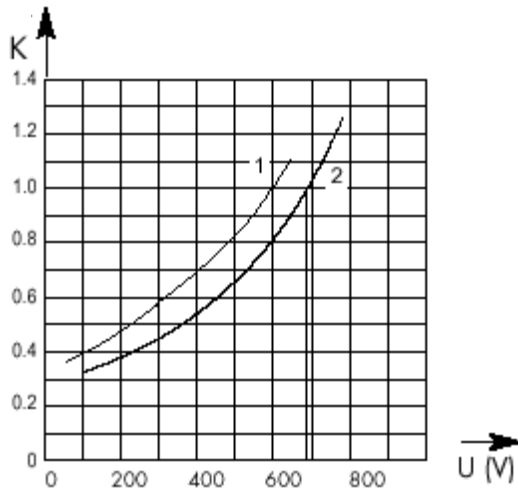
Horizontal curve shows maximum values of total clearing I^2t (I^2t_t) for each rated current as a function of prospective current I_p @ 690V $\cos\phi = 0.15$ (for 125-135A @ 600V $\cos\phi = 0.15$). Oblique lines indicate total clearing duration T_t , with associated pre-arcing duration in brackets.

Cut off Characteristics:



The curve above shows, for each rating, value of peak let-through current I_c as a function of available fault current I_p .

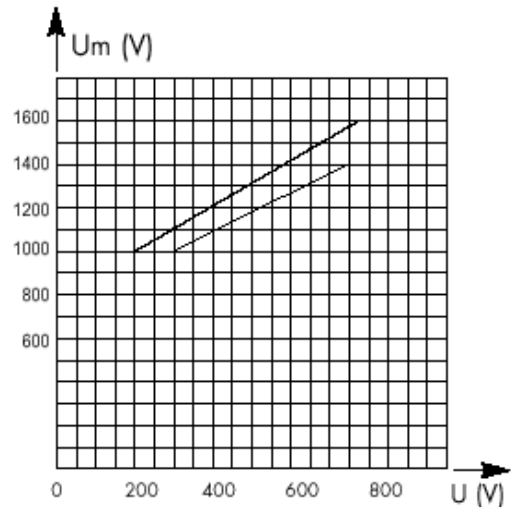
Corrective Factor



Mean curves showing variation of total clearing time (I^2t_t) and total clearing duration T_t as a function of operating voltage U .

125A and 135A rating (2) 20-100A rating

Peak arc voltage



Curves showing peak value U_m of arc voltage which appears across fuse-link as a function of operating voltage U @ $\cos\phi = 0.15$