

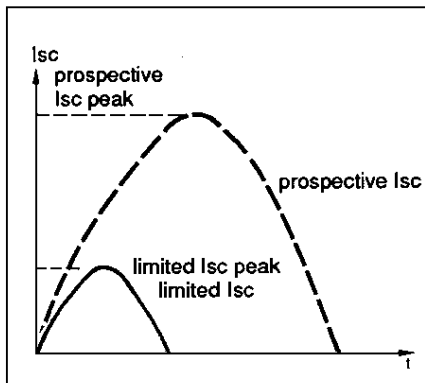
Compact CF circuit breaker description

I_p and I^2t curves

The limitation capability of a circuit breaker is that characteristic whereby only a current less than the prospective fault current is allowed to flow under short-circuit conditions.

This is illustrated by limitation curves which give :

- the limited peak let-through current in relation to the RMS sym. value of the prospective short-circuit current (the short-circuit current that would flow continuously in the absence of protective equipment) ;
- the limited let-through energy (thermal stress) in relation to the RMS sym. value of the prospective short-circuit current.



Installation of current limiting circuit breakers offers several advantages :

Better protection

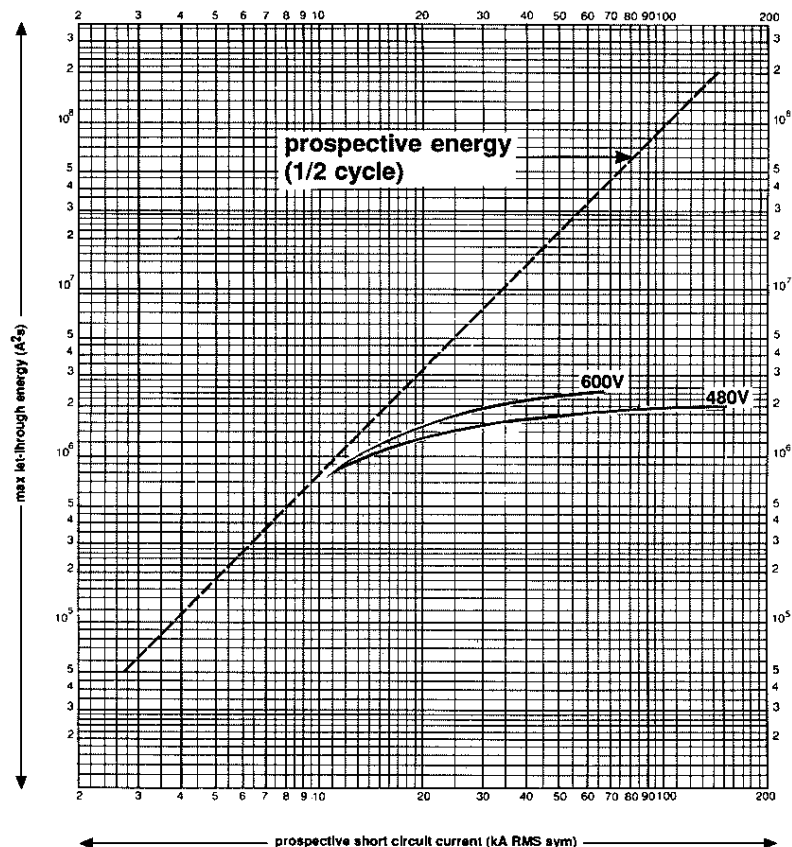
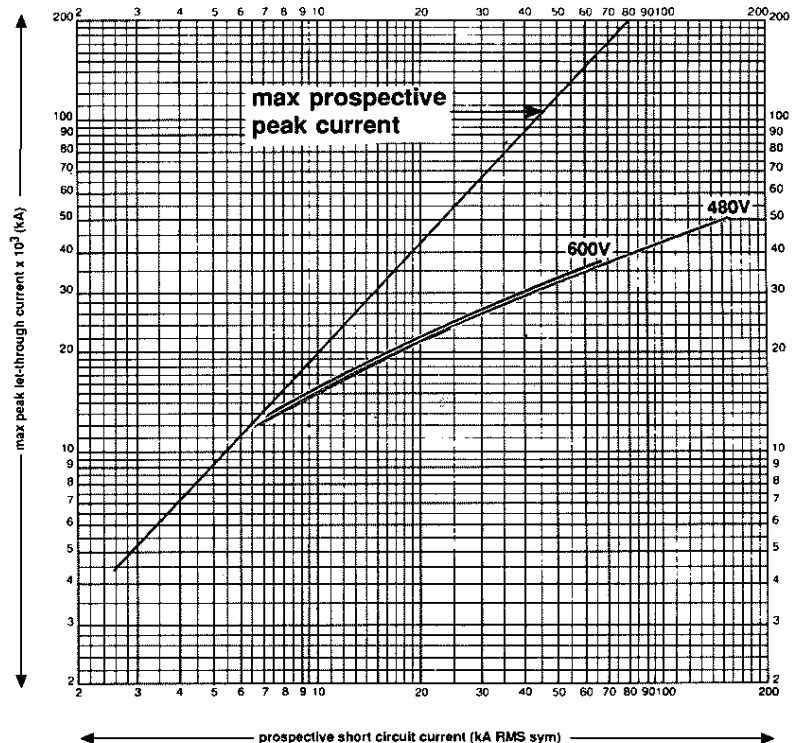
Current limiting circuit breakers considerably reduce the undesirable effects of short-circuit currents in an installation.

Reduced mechanical effects

Electrodynamic forces are reduced, thus electrical contacts are less likely to be deformed or broken.

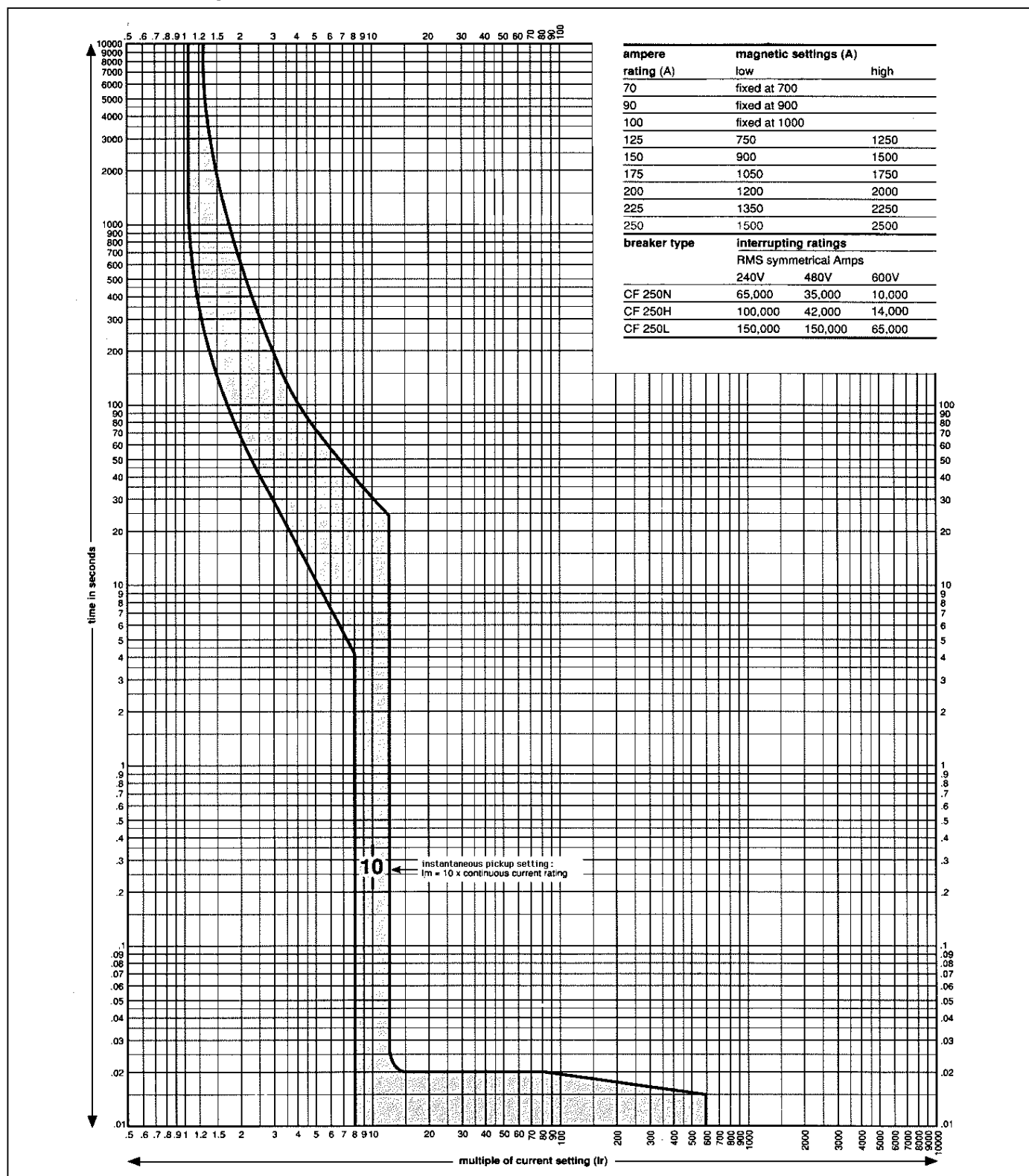
Reduced electromagnetic effects

Measuring equipment situated near an electrical circuit is less affected.



Compact CF circuit breaker time current curves

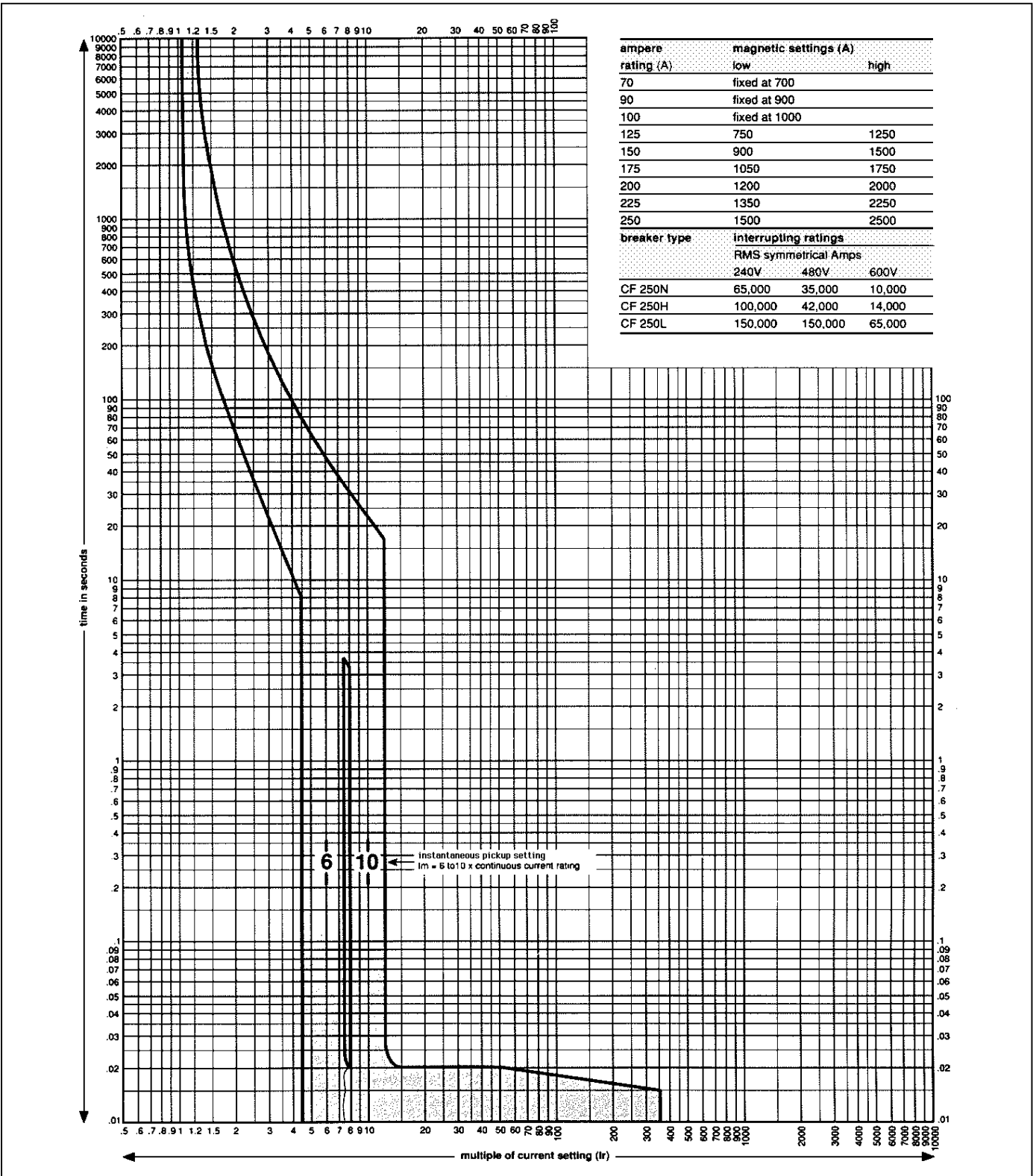
70, 90 and 100 Amp.



Compact CF circuit breaker

time current curves

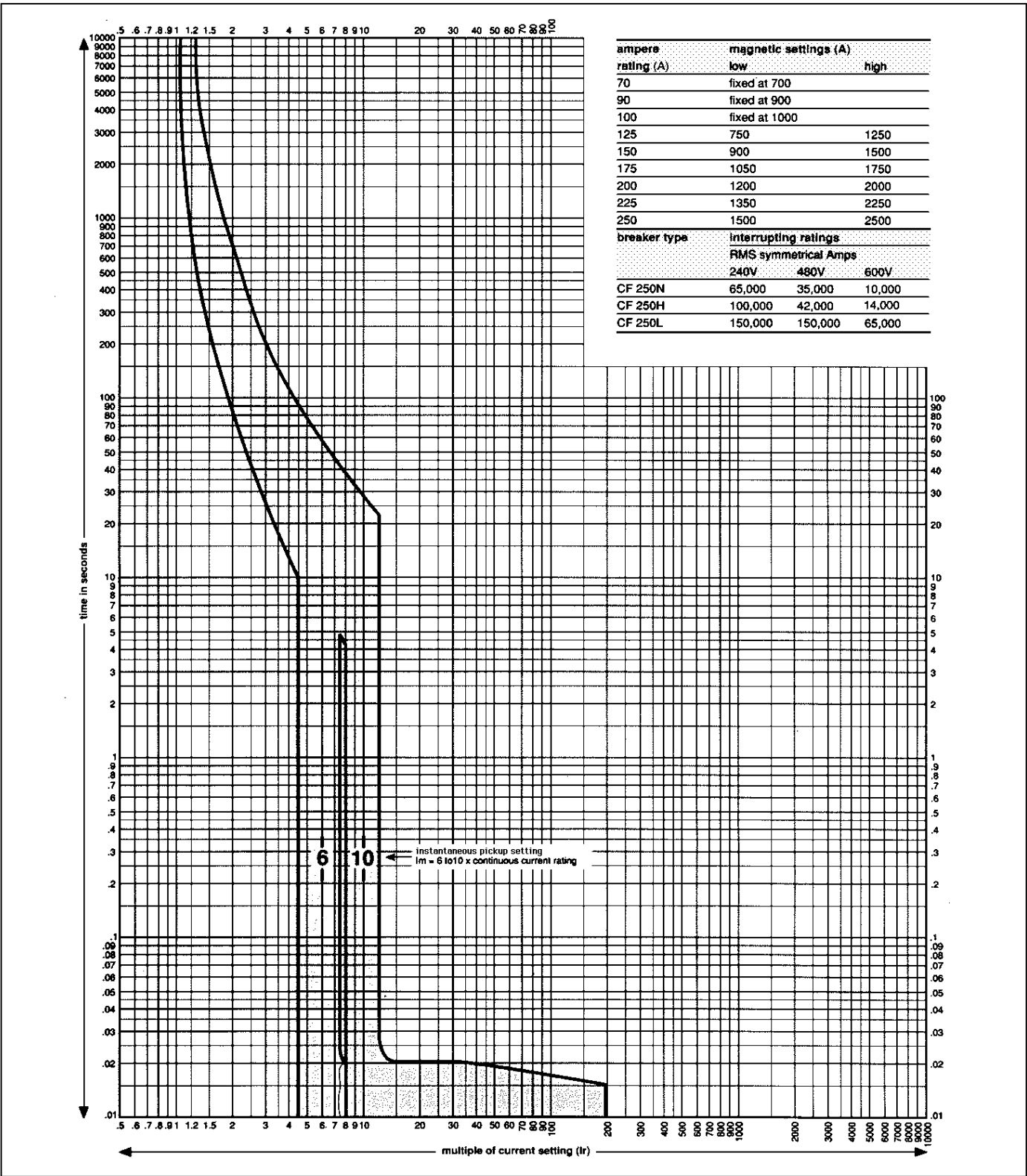
125, 150 and 175 Amp.



Compact CF circuit breaker

time current curves

200, 225 and 250 Amp.



Compact CF circuit breaker

time current curves

instantaneous trip for motor circuit protectors 150 and 250Amp.

