

**Fig. 1 Electrical Safety System**

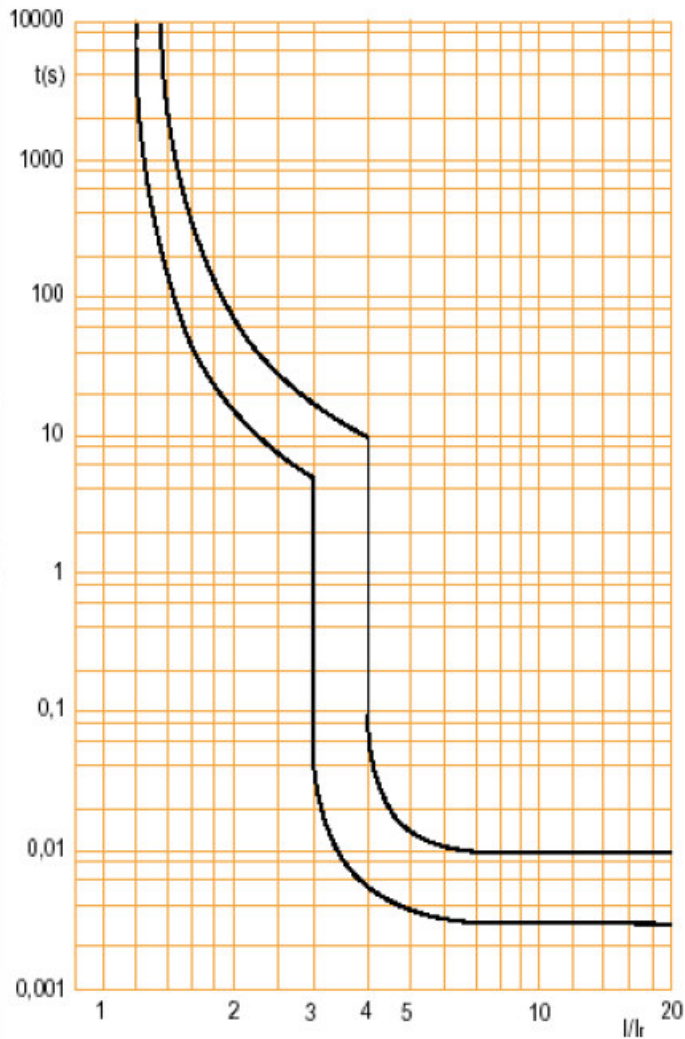
*A. What should users be doing now?*

Simple mixing or combining of safe products and a sound installation code does not assure safety. Even specifying the most stringent code, standard or industry practice will not suffice.

Applying either installation standard with its related product standards will assure a safe installation, but when mixing product and installation standards from the different systems, the designer must accept full responsibility for avoiding application or protection failures. This is very difficult because many standards are involved and they are expensive and not readily available.

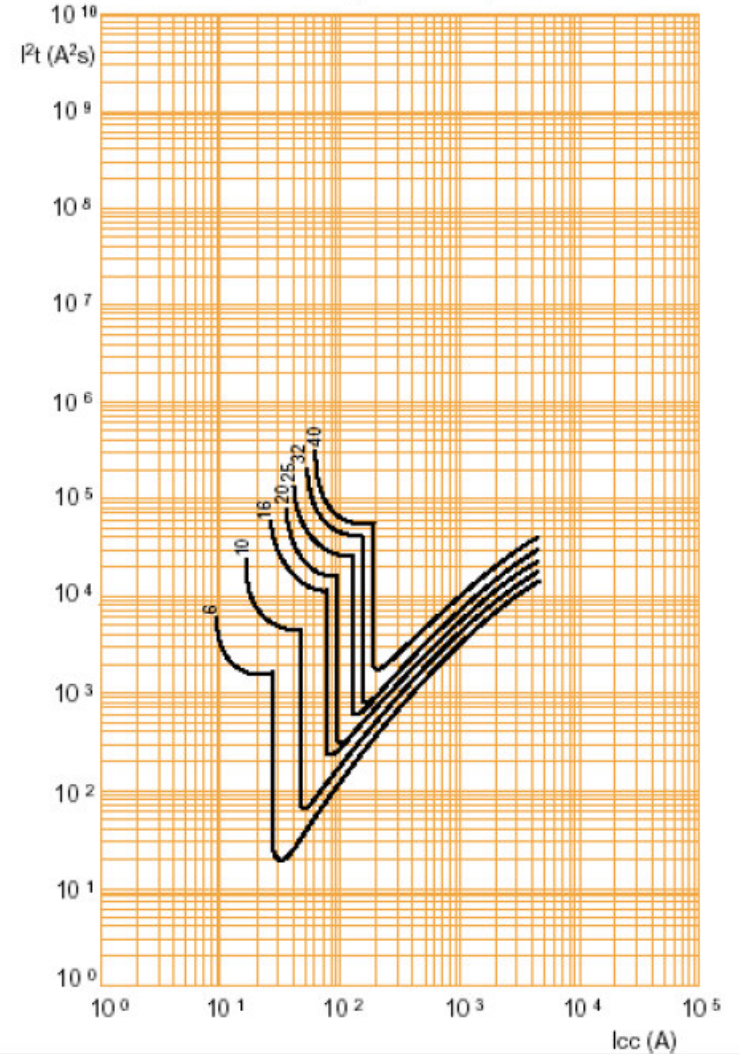


**Btdin 45/60 - characteristic B**



**Btdin 45 I<sup>2</sup>t  
 curve B  
 characteristics**

**Btdin 45 1P+N 230V a.c. (1 module) - characteristic "B"**



# ***Campus de Laboratórios do Inmetro Xerém – Duque de Caxias, RJ***

