

OPERATING MECHANISM

Bentec MCBs have a quick make, quick break, trip-free mechanism i.e. Even if the MCB knob is held in the "ON" position, the MCB will trip in case of overload or short circuit.

IMPACT RESISTANCE

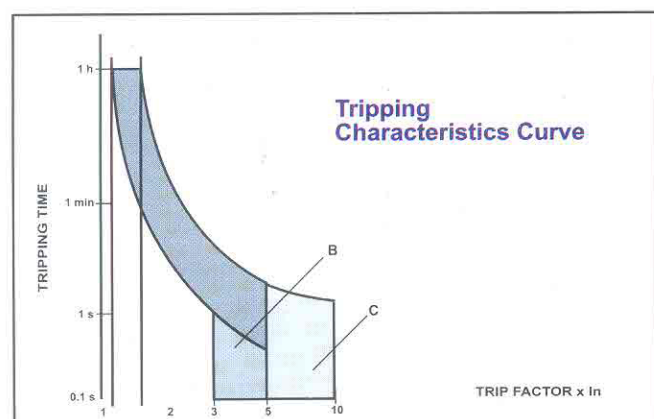
Keeping in mind the vibration hazards of dynamic installations like motors, generators and locomotives, Bentec MCBs are designed to withstand high vibration impacts upto 3 "g".

CHARACTERISTICS CURVES

Bentec MCBs are available with versions for different types of applications they are:

B CURVE - LIGHTING/DISTRIBUTION CIRCUITS

Ideally suitable for predominantly resistive loads like electric

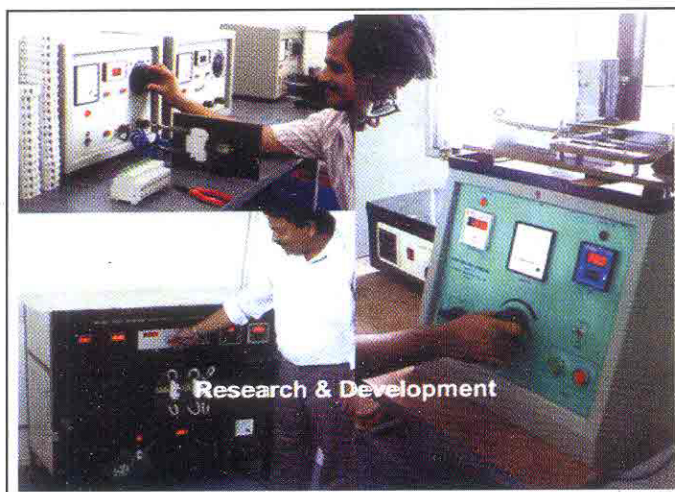


Application Chart		
Appliances	Capacity / Approx. Wattage at 230 Volts A.C.	Required MCB in Amperes
Air Conditioners	1 ton / 1.5 KW	10
	1.5 ton / 2.5 KW	16
	2 ton split / 3.5 KW	20
Refrigerators	165 liters	1.5
	285 liters	2
Room Heaters	1000 watts	6
	2000 watts	10

heaters, ovens, geysers, gls lamps etc these characteristics offer excellent protection under over loads and short circuits for such installations.

C CURVE - MOTOR CIRCUITS

These characteristics ideally suits applications demanding high inrush current and requires closer over load protections. Such loads are predominantly inductive in nature like motors, transformers, gas filled lamps, air conditioners, refrigerators and other equipments.



LOW WATT LOSS

Bentec MCBs have been designed to minimize energy loss through unique contact configuration and reduction of hot spots. Watt loss per pole is far lower that the specified IS : 8828 : 1996 IEC Pub 898 (1995) Watt Loss Table.

Rated Current	Max. Allowable Watt Loss per Pole as per IEC 898	Bentec MCB Watt Loss per Pole
<10	3.0	1.2
10<In<=16	3.5	2.6
16<In<=25	4.5	2.4
25<In<=32	6.0	3.5
32<In<=40	7.5	4.3
40<In<=50	9.0	-
50<In<=63	13.0	-

Dimensional Details of Bentec MCB (in millimeter)

