



Residual Current Circuit Breaker

BCH Residual Current Circuit Breaker is a device used to detect and trip against leakage current, ensuring protection against electric shock to human life and damage to electrical installation/property against fire.

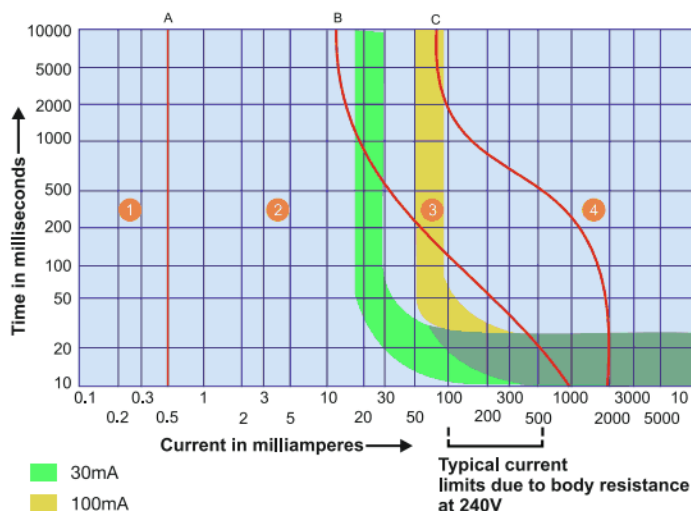
Zone : Effects

Zone 1: Usually no reactions

Zone 2: Usually no harmful effects

Zone 3: Muscle cramps can occur. There is normally no danger of ventricular fibrillation.

Zone 4: Ventricular fibrillation may occur which can be fatal.



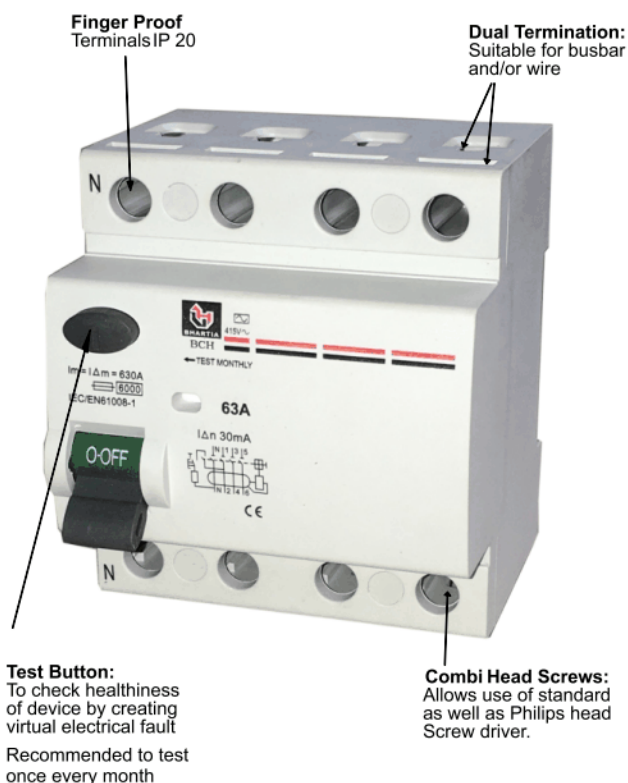
Sensitivity :

BCH RCCBs are available in three sensitivities

30mA : Provides high level of protection to living being against direct & indirect contact.

100mA : Is suitable for indirect contact and leakage current for larger installations.

300mA : Is less sensitive, suitable for larger installations having high levels of leakage current.



Technical Parameters :

Parameters		BCH RCCB
Conformance to standards		IS 12640 (Part 1), IEC/EN 61008-1
Range : DP (1P+N)		25A, 40A, 63A
FP (3P+N)		30mA, 100mA, 300mA
Rated Voltage	Un	2P : 240V, 4P : 415V
Rated Impulse withstand voltage (Uimp)		4 KV
Rated Conditional short-circuit current (Inc)		6kA
IP Category		IP20
ISI Marking		Yes

Ratings :

- BCH RCCBs are available in 2 Pole & 4 Pole in three ratings - 25A, 40A & 63A
- With 30mA, 100mA, 300mA sensitivities.

Variant	Rating (Amp.)	Cat. Code	Description
2 Pole	25	BCHRCB030DPC25	RCCB DOUBLE POLE 25A - 30mA
	40	BCHRCB030DPC40	RCCB DOUBLE POLE 40A - 30mA
	63	BCHRCB030DPC63	RCCB DOUBLE POLE 63A - 30mA
	25	BCHRCB100DPC25	RCCB DOUBLE POLE 25A - 100mA
	40	BCHRCB100DPC40	RCCB DOUBLE POLE 40A - 100mA
	63	BCHRCB100DPC63	RCCB DOUBLE POLE 63A - 100mA
	25	BCHRCB300DPC25	RCCB DOUBLE POLE 25A - 300mA
	40	BCHRCB300DPC40	RCCB DOUBLE POLE 40A - 300mA
	63	BCHRCB300DPC63	RCCB DOUBLE POLE 63A - 300mA
4 Pole	25	BCHRCB030FPC25	RCCB FOUR POLE 25A - 30mA
	40	BCHRCB030FPC40	RCCB FOUR POLE 40A - 30mA
	63	BCHRCB030FPC63	RCCB FOUR POLE 63A - 30mA
	25	BCHRCB100FPC25	RCCB FOUR POLE 25A - 100mA
	40	BCHRCB100FPC40	RCCB FOUR POLE 40A - 100mA
	63	BCHRCB100FPC63	RCCB FOUR POLE 63A - 100mA
	25	BCHRCB300FPC25	RCCB FOUR POLE 25A - 300mA
	40	BCHRCB300FPC40	RCCB FOUR POLE 40A - 300mA
	63	BCHRCB300FPC63	RCCB FOUR POLE 63A - 300mA