

Residual Current Circuit Breaker



Option available

- Resistant Orange - Add RO to Catalogue Number e.g. 56C410,RO becomes 56C410RC,RO.

Combined Switched Sockets and Modules

To help avoid electrocution in industrial environments, Clipsal has a range of combination switched sockets with inbuilt RCD protection. The RCD works by constantly monitoring and comparing the current flow in both the Active and Neutral circuits of an electrical installation.

During normal operation, these Active and Neutral currents are in balance. However, should any current flow to Earth, an imbalance is created in these circuits.

If this imbalance is sufficient (30mA), the RCD will cut the electrical supply in less than 40 milliseconds, perhaps the most important fraction of a second in someone's life.

Apart from the protection from electrocution that an RCD offers, it will also cut off power to expensive electrical equipment in the event of an electrical fault to Earth. This protects appliances against costly damage and the installation against fire resulting from faults of this nature.

Clipsal Combination Switched Sockets with RCD protection enable quick disconnection of power in the case of an emergency and provide motor rated isolation. A neon is standard on all models to indicate that the RCD is protecting the outlet. If the neon is not illuminated, the RCD has tripped and no power is available from the socket.

The internal phase connections between switches and sockets are factory wired.

The 56RC provides stand alone protection or multiple protection of socket outlets in a modular IP66 Series Enclosure.

SINGLE PHASE RESIDUAL CURRENT DEVICE										
Catalogue Number	No. of Switch Poles	I _{ne} (Amp)	U _i /U _e (Volt)	Voltage Parameters		Prospective Short Circuit Current 33kA for 40mS	Cond. Term Size in mm ²		IP Rating	O/A Dims. (H) x (W) x (D)
				Min. (V)	Max. (V)		Min.	Max.		
56RC	2 Pole 30mA 1 Phase RCD	20A	250V	190	260	Unit must be protected by 20A max. MCB	1.5	6	66	107x101x101