

What is the difference between a main switch and a circuit breaker?

A main switch (or isolator) is designed purely to switch power on and off manually--it does not provide overcurrent protection. A circuit breaker automatically trips during overload or fault conditions to protect circuits. Main switches are used for isolation during maintenance and servicing, allowing electricians to safely de-energise circuits.

What is a circuit breaker used for?

A circuit breaker automatically trips during overload or fault conditions to protect circuits. Main switches are used for isolation during maintenance and servicing, allowing electricians to safely de-energise circuits. Circuit breakers protect against electrical faults but aren't designed for frequent switching operations.

What is a main switch?

Main switches are electrical isolator devices that disconnect entire installations or circuits from power supply. Available in 80A-100A ratings with single-pole, double-pole, or three-pole configurations, they enable safe maintenance isolation, emergency disconnection, and comply with AS/NZS 3000:2018 Australian standards.

How much does a main switch cost?

Clause 2.3.3.7: The main switch shall be clearly and permanently identified. For installations where safety services are supplied, special provisions apply--consult the full standard and your licensed electrician. Main switches start at \$8.95 +ex. GST depending on brand, amp rating, and pole configuration.

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Circuit breakers automatically disconnect power when a short circuit fault is detected downstream or when the circuit becomes overloaded, exceeding the electrical cable current capacity. Air ...

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Main switch MCBs (miniature circuit breakers) are essential circuit protection devices that safeguard electrical installations by automatically interrupting power flow when overloads or ...

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However, a main switch is a large and high-current electrical switch that controls the main power supply to a building, whereas a circuit breaker is ...

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A manually operated main switch must be provided for each mains feed in order to disconnect the machine's electrical equipment from the mains (e.g. when work on the electrical equipment is ...

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