

Title: Pole mounted circuit breaker in South-Africa

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How many Poles can a spb1 breaker accept?

The SPB1 will either accept three single poles, one double pole or one triple pole QF type circuit breaker. It is recommended that curve 1 circuit breakers are used to provide discrimination between SPB1 circuit breaker/s and those at the consumer's premises. The unit can be mounted to the cross arm, pole or under the porcelain insulator.

Why do you need a Pole mounting enclosure for circuit breakers?

Pole mounting enclosures for Circuit Breakers have been designed for the protection of the overhead line and the service cable to the consumer, against short circuit and if an installation is faulty, the whole installation can be isolated from the distribution system thereby reducing the risk of blacks-outs in a whole area.

Why are QF circuit breakers used in pole mounted enclosures?

The QF Circuit Breakers used in there pole mounted enclosures are available with such operating characteristics to guarantee discrimination on low and medium overloads to downstream Circuit Breakers.

What is a circuit breaker?

A circuit breaker is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by overcurrent or overload or short circuit. Its basic function is to interrupt current flow after protective relays detect a fault.

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