

Circuit Breaker

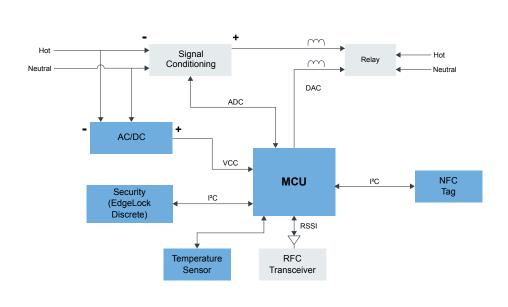
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An Arc fault circuit breaker is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by excess current, typically resulting from an overload or short circuit. A circuit breaker could be used either in a commercial or residential environment depending on the electrical current it can handle.

Industrial circuit breakers are used in warehouses, factories, or any location with a large electrical distribution.

Residential circuit breakers guard the home electrical system from a fire caused by an electrical fault.

Circuit Breaker Block Diagram



NXP Technology	Non NXP Technology	[] Optional Technology

Recommended Products for Circuit Breaker

мси	 KV1x: Kinetis[®] KV1x-75 MHz, Entry-Level 3ph FOC / Sensorless Motor Control MCUs based on Arm[®] Cortex[®]-M0+ KW21Z: Kinetis[®] KW21Z-2.4 GHz 802.15.4 Wireless Radio Microcontroller (MCU) based on Arm[®] Cortex[®]-M0+ Core KW41Z: Kinetis[®] KW41Z-2.4 GHz Dual Mode: Bluetooth[®] Low Energy and 802.15.4 Wireless Radio Microcontroller (MCU) based on Arm[®] Cortex[®]-M0+ Core
Security (EdgeLock Discrete)	SE050: EdgeLock® SE050: Plug and Trust Secure Element Family – Enhanced IoT Security with High Flexibility
AC/DC	TEA1721AT: HV Start-Up Flyback Controller with Integrated MOSFET for 5 W Applications, F~burst = 430 Hz

NFC	NTAG_I2C: NTAG I²C Plus 2K: NFC Forum Type 2 Tag with I²C Interface
Temperature sensor	P3T1035xUK: I3C, I²C-Bus, ±0.5 °C Accuracy, Digital Temperature Sensor P3T2030xUK: I3C, I²C-Bus, 2.0 °C Accuracy, Digital Temperature Sensor PCT2075: I²C-Bus Fm+, 1 Degree C Accuracy, Digital Temperature Sensor and Thermal Watchdog

View our complete solution for Circuit Breaker.

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