

# **Base station power circuit breaker selection**





## Overview

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How is a circuit breaker selected?

A circuit breaker is selected based on its electrical ratings to serve a particular purpose in each application, proper selection of the circuit breaker is essential for the safe and correct operation of the electrical system.

What are circuit breaker ratings?

Two important ratings to consider are; short-circuit current rating (this is commonly referred to as the maximum interrupting rating) and the short-time current rating. In this paper, we will discuss these circuit breaker ratings and how they can affect the protection and selective coordination of the system.

How do you choose a circuit breaker?

The basic functional parameters—voltage, current, and number of poles—are just the beginning. To refine your selection, you then have to consider mechanical and environmental factors, regulatory and safety issues, size and cost constraints, and more. Let's begin with a review of key circuit breaker parameters.

What is a 65 ka circuit breaker?

A low-voltage power circuit breaker used as a main circuit breaker that has a 65 kA short-time current rating would allow the flexibility to coordinate with downstream circuit breakers for a fault of any magnitude up to the full 65 kA short circuit current rating of the circuit breakers and switchgear.



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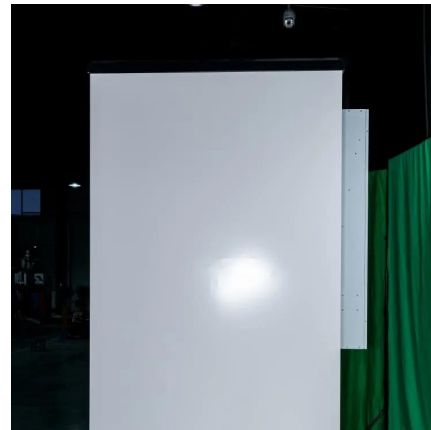
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This article outlines criteria for selecting electrical circuit breakers covering voltage current breaking capacity environment protection installation cost certification and special application ...

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### [Selection of a circuit-breaker](#)

Choice of a circuit-breaker The choice of a CB is made in terms of: Electrical characteristics (AC or DC, Voltage ) of the installation for which the CB is intended Its ...



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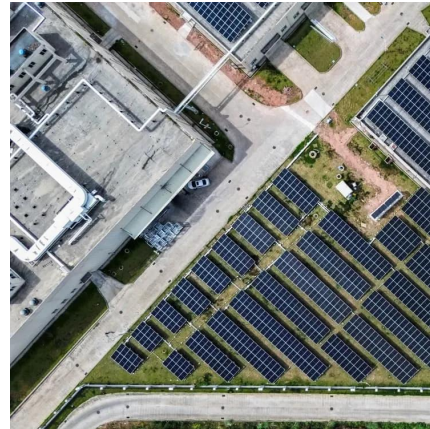
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