

200A Photovoltaic DC Circuit Breaker 1000VDC

This DC circuit breaker is designed for photovoltaic applications. It provides overcurrent and short-circuit protection in DC circuits up to 1000VDC.



ADDITIONAL IMAGES



Overview

High-Performance DC Protection

This DC circuit breaker is specifically engineered for photovoltaic applications, providing reliable overcurrent and short-circuit protection for solar power systems. Designed to handle demanding electrical environments, it supports voltages up to 1000VDC and features a robust 20kA breaking capacity. With integrated safety features like a push-to-trip mechanism and arc barriers, this component ensures both operational efficiency and enhanced safety for DC power infrastructure.

Electrical Ratings

Rated Current (I_n)

200 A

Rated Current

Voltage Specifications

Parameter	Value
Rated Insulation Voltage (U _i)	1000V DC
Rated Operational Voltage (U _e)	12V - 1000V DC
Rated Impact Voltage (U _{imp})	8kV

Performance

Service Life

- Mechanical life: 2000 cycles
- Electric life: 10000 cycles

Breaking Capacity

20 kA

Tripping Characteristics

10 times rated current (10I_n)

Installation & Environment

Protection Degree

IP20

Operating Temperature

-25°C to +70°C

Standards & Compliance

Compliance Standards

IEC60947-2, Category A