

# BL+TZ™

## Harnessing Power Protecting Investments Surge Protection Device & MCBs



[www.blitzenergyindia.com](http://www.blitzenergyindia.com)

# BLITZ™

Blitz is a trusted global brand in surge protection and electrical safety solutions, dedicated to safeguarding modern solar, industrial, and power infrastructure. Specializing in **high-performance AC & DC Surge Protection Devices (SPDs), AC & DC MCBs, Fuse Terminals, and Fuse Links**, Blitz delivers reliable and efficient protection for critical electrical systems.

Proudly Made in India, Blitz products are engineered to meet international quality and safety standards, ensuring superior performance, durability, and reliability. **Trusted across Asia, the Middle East, and Africa**, Blitz provides world-class electrical protection solutions designed for safer, smarter, and more dependable power systems.

**Blitz – Powering Protection. Ensuring Reliability.**



## Infrastructure

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With state-of-the-art manufacturing facility located at Changodar, Ahmedabad, we promise you to deliver the best-in-class products for your solar projects. Our factory is spread across 18,000 sq. ft. with latest machinery, technology, and skilled staff. Every product manufactured is passed through stringent quality check procedures so as to give you the perfect product quality.

## Vision

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To be the world's leading brand in surge protection and electrical safety solutions, empowering industries and communities globally with innovative, reliable, and sustainable products that create a safer, smarter future.



## Mission

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We aim to champion the cause of environmental conservation by enabling solar installations for all types of consumers while adhering to the highest standards of quality.

# Surge Protective Device (SPD) Terminology

A Surge Protective Device (SPD) is designed to limit transient overvoltages of atmospheric origin and divert current waves to earth to limit the amplitude of this overvoltages to a value that is not hazardous for the electrical installation and electric switchgear.

## Type 2 SPD

The type 2 SPD is the main protection system for all low-voltage electrical installations. Installed in each electrical switchboard, it prevents the spread of overvoltages in the electrical installations and protects the load.

**Nominal Voltage (Un):** The nominal voltage stands for the nominal voltage of the system to be protected.



### Maximum Continuous Operating Voltage (Uc)

The maximum continuous operating voltage is the r.m.s value of the maximum voltage which may be connected to the corresponding terminals of the Surge Protective Device during operations.

### Maximum Continuous Operating Voltage for PV System (Ucpv)

The maximum continuous operating voltage for a Photovoltaic (PV) system is the value of maximum DC voltage which may be permanently applied to the terminals of SPD.

### Voltage Protection Level (Up)

The Voltage Protection Level is the maximum instantaneous value of the voltage at the terminals of SPD.

### Nominal Discharge Current (In)

The nominal discharge current is the peak value of the current that can be passed through SPD having a wave shape of 8/20  $\mu$ s.

### Maximum Discharge Current (Imax)

The maximum discharge current is the peak value of the current that the device can safely discharge through the SPD having a wave shape of 8/20  $\mu$ s.

## Applications



Photovoltaic & Wind



Industry & Automation



Commercial & Residential Installations



Telecom, IT & Data Centers



LED Outdoor & Lighting



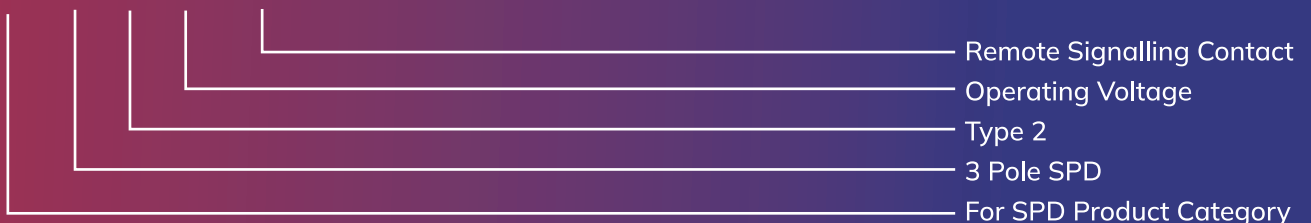
Smart Grid & LV Metering



Water Treatment

## SPD Code Description

SPPV 3 T2-1000 R



Blitz is a globally trusted brand dedicated to advancing surge protection technologies for modern electrical and industrial systems. We specialize in the design and manufacturing of high-performance AC and DC Surge Protection Devices, MCBs, fuse terminals, and fuse links engineered to operate flawlessly in demanding environments worldwide.

At Blitz, we understand the critical importance of safeguarding installations and sensitive equipment from unpredictable voltage spikes and transient surges. Our state-of-the-art SPD solutions ensure operational continuity, equipment longevity, and the highest level of safety. Built in compliance with global standards such as IEC, Blitz products reflect excellence in reliability, durability, and innovation.

Driven by a vision of electrical resilience, Blitz empowers industries, utilities, institutions, and infrastructure projects with robust surge protection solutions that perform under complex, high-risk conditions across continents and sectors.



## A Name You Can Trust, No Matter the Distance

From the moment you choose Blitz, you're not just choosing a product, you're choosing a global partner in protection. Blitz's dedicated customer support, rapid distribution network, and localized expertise ensure that no matter where you are, Blitz is always ready to support your systems.

# AC SPDs

## PRODUCT INTRODUCTION

Blitz AC Type 2 Surge Protection Devices are designed to provide robust protection against transient overvoltages caused by switching operations and lightning strikes. Engineered for residential, commercial, and industrial low-voltage systems, they ensure equipment safety and system continuity.

Available in both 1-Phase (2P) and 3-Phase (4P) configurations, Blitz SPDs are easy to install, DIN rail-mountable, and include visual status indicators for quick diagnostics.



### Key Features



Type 2 Surge Protection



High Discharge Capacity



Visual Status Indication



DIN Rail Mountable



Compact & Reliable Design

### Technical Highlights



Nominal Voltage

230V / 415V AC



Max. Continuous Operating Voltage ( $U_c$ )

320V AC



Max. Continuous Operating Voltage [N-PE] ( $U_c$ )

255V AC



Max Discharge Current ( $I_{max}$ )

40kA



Nominal Discharge Current ( $I_n$ )

20kA



Voltage Protection Level ( $U_p$ )

$\leq 1.5kV$



Operating Temperature

$-40^{\circ}C$  to  $+70^{\circ}C$

### Applications



Residential Buildings



Commercial Installations



Industrial Facilities



Solar & Wind Systems



IT & Data Centers

### Why Choose Blitz AC SPDs?

- Reliable protection against transient surges
- Fast response for enhanced equipment safety
- IEC-compliant performance
- Long operational life and easy maintenance

# DC SPDs

## PRODUCT INTRODUCTION

Blitz DC Type 2 Surge Protection Devices provide essential protection against overvoltages in photovoltaic systems, energy storage applications, and industrial DC circuits. Engineered for fast response and long-term reliability, they protect sensitive equipment from lightning strikes and switching surges.

Available in 600V and 1000V configurations with DIN rail mounting and visible fault indicators for efficient maintenance and diagnostics.



## Key Features



Type 2 DC Surge Protection



Designed for PV Applications



Fast Response Time



Visual Fault Indicator



Compact Modular Construction

## Technical Highlights



Operating Voltage

600V / 1000V DC



Max Discharge Current (I<sub>max</sub>)

40kA



Nominal Discharge Current (I<sub>n</sub>)

20kA



Voltage Protection Level (U<sub>p</sub>)

≤ 2.2kV / ≤ 3.5kV



Response Time

≤ 25ns

## Applications



Solar PV Systems



Energy Storage Systems



Telecom Infrastructure



Industrial DC Systems



EV Charging Infrastructure

## Why Choose Blitz DC SPDs?

- ☑ Optimized for solar protection systems
- ☑ High surge handling capability
- ☑ Reliable protection in harsh environments
- ☑ IEC-compliant safety standards

# DC MCBs

## PRODUCT INTRODUCTION

Blitz DC MCBs provide critical protection against overload and short-circuit faults in photovoltaic and DC electrical systems. Designed for safe isolation and reliable fault interruption, they deliver dependable protection for solar power installations and industrial DC applications.

Available in 500V and 1000V DC variants with high breaking capacity and robust performance.



## Key Features



DC Overload Protection



High Breaking Capacity



Fast Tripping Mechanism



DIN Rail Mountable



Reliable Isolation Function

## Technical Highlights



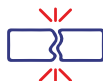
Rated Voltage

500V / 1000V DC



Ambient Temperature for Operation

-5°C to +55°C



Breaking Capacity (Icu)

Up to 6kA



Rated Current

16A to 63A



Mechanical Life

20,000 Cycles



IEC Standard Compliance

60947-2

## Applications



Solar PV Installations



Battery Energy Storage Systems



DC Distribution Panels



EV Infrastructure



Industrial DC Systems

## Why Choose Blitz DC MCBs?

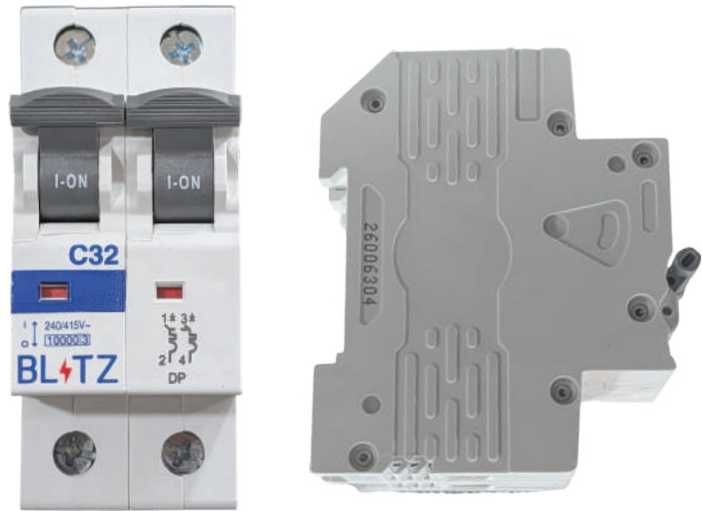
- ✓ Designed for photovoltaic protection
- ✓ Reliable DC fault interruption
- ✓ Long mechanical durability
- ✓ High-performance safety standards

# AC MCBs

## PRODUCT INTRODUCTION

Blitz AC Miniature Circuit Breakers are designed to provide dependable protection against overload and short-circuit faults in residential, commercial, and industrial electrical systems. Built for safe operation and long-term durability, they ensure uninterrupted circuit protection and operational reliability.

Available in multiple pole configurations with compact DIN rail mounting for easy installation and maintenance.



## Key Features



Overload & Short Circuit Protection



Fast Fault Disconnection



Compact DIN Rail Design



Durable Flame Retardant Housing



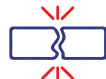
Reliable Switching Performance

## Technical Highlights



Rated Voltage

240V / 415V AC



Breaking Capacity

10kA



Rated Current

32A



Protection Class

IP20



IEC Standard Compliance

60898-1

## Applications



Residential Distribution Boards



Commercial Installations



Industrial Control Panels



Utility Installations



Electrical Distribution Systems

## Why Choose Blitz AC MCBs?

- Enhanced electrical safety
- Reliable circuit interruption
- Long service life
- Compact and easy-to-install

# Fuse Terminal & Link

## PRODUCT INTRODUCTION

Blitz Fuse Terminals and Fuse Links are engineered for safe and reliable protection for photovoltaic systems against overcurrent conditions. Designed for high-performance DC applications, they ensure secure isolation and efficient protection for solar installations.

Available in multiple voltage and current ratings with compact DIN rail mounting for easy integration into PV systems.



## Key Features



PV System Protection



High Breaking Capacity



Compact DIN Rail Design



Secure Fuse Isolation



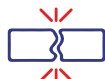
IEC Certified Performance

## Technical Highlights



Rated Voltage

1000V / 1500V DC



Breaking Capacity

50kA



Rated Current

Up to 32/50 A



Protection Class

IP20



IEC Standard Compliance

60269-6

## Applications



Solar PV Combiner Boxes



String Protection Systems



Battery Storage Systems



Industrial DC Systems



Renewable Energy Installations

## Why Choose Blitz Fuse Solutions?

- Reliable overcurrent protection
- Designed for photovoltaic systems
- High safety and durability
- Easy installation and replacement

## Why choose us?

Protecting Solar Systems with Reliable, High-Performance  
Blitz Protection Devices



### Fast Response Time

Lightning-fast reaction time of  $\leq 25\text{ns}$  to minimize equipment damage during electrical surges.



### Premium Materials

Lightning-fast reaction time of  $\leq 25\text{ns}$  to minimize equipment damage during electrical surges.



### Reliable Fault Indication

Green/Red status window ensures easy monitoring of device health at a glance.

**2+**

Years of Experience

**700K+**

Units Successfully Installed



In-house manufacturing of multiple products



Globally acclaimed high quality products



Highly skilled and experienced Team

## Our Team

At the core of Blitz is a devoted team comprising skilled engineers and experienced solar professionals. Beyond their expertise in solar technology, their genuine enthusiasm for the field drives our success. Continuously staying at par with the latest advancements in the solar energy industry, our team ensures that we remain in sync with technological developments, fostering innovation and excellence.



**Kuldip Sorathiya**  
Founder



**Kalpesh Sorathiya**  
Co-Founder



**Prakash Dobariya**  
Production Head

**100+**

Team Members

**250+**

Years of  
Total Team Experience

**25+**

Exporting  
Countries Worldwide

## Our Clients



## Available Worldwide



India



Nepal



Saudi Arabia



Nigeria



Kenya



Bangladesh



UAE



Sri Lanka

## MD's Vision



Our vision is to make electrical protection stronger, smarter, and more reliable for every solar and industrial installation. At Blitz, we believe safety should travel with every unit we build.

Proudly crafted in India, our products are made to serve demanding power environments across global markets. We aim to support cleaner energy growth with dependable protection solutions.

- Kuldip Sorathiya

# BLITZ™

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