2 Year Excellency

MAKE IN INDIA

BLITZ™

Innovation. Safety. Global Power

PROUDLY CRAFTED IN INDIA,

Protection Across Asia, the Middle East, and Africa

Delivering World-Class

- Surge Protection Devices
- DC MCBs
- Fuse & Fuse Holders

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Contents:

Surge Protective Device (SPD) Terminology

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

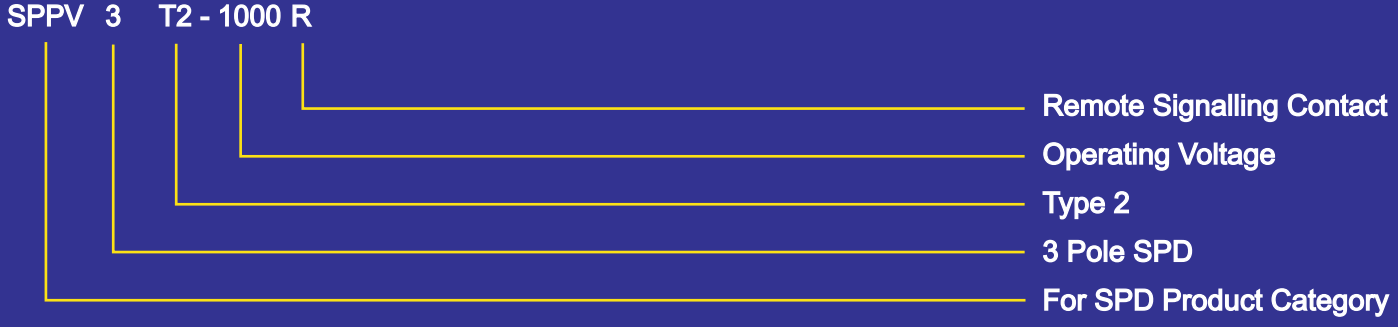
Type 2 SPD: The type 2 SPD is the main protection system for all low-voltage electrical installations. Installed in each electrical switchboard, it prevents the spread of over voltages in the electrical installations and protects the load.

- **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 µs.
- **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 µs.

Applications

- **Photovoltaic & Wind**
- **Industry & Automation**
- **Commercial & Residential Installations**
- **Telecom, IT & Data Centers**
- **LED Outdoor & Lighting**
- **Smart Grid & LV Metering**
- **Water Treatment**

SPD Code Description



Who we are

BLITZ™

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.

Vision & Mission

Vision

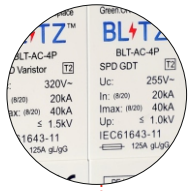
To be the world's leading brand in surge protection and electrical safety solutions, empowering industries and communities globally with innovative, reliable, and sustainable products that create a safer, smarter future.

Mission

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.

Product Structure

Connector
High-grade screw terminal connections ensure safe and stable input for each phase

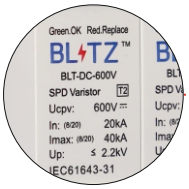


Pluggable Module
Modular design allows for easy plug-and-play replacement without disturbing wiring.

Status Indicator
Built-in visual window shows green for normal operation.
If it turns red, the SPD needs to be replaced.

Connector
The screw terminals marked DC+ and DC- ensure secure and stable wiring for solar DC systems.

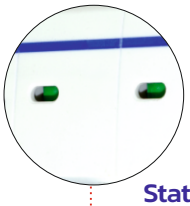
Status Indicator
Built-in window shows green for active protection. If it turns red, the SPD cartridge must be replaced.



Pluggable Module
Easy plug-in/plug-out design simplifies maintenance and cartridge replacement without disconnecting wiring.

Earthing Terminal
Dedicated earthing screw ensures safe surge discharge and system protection.

Connector
Screw terminal connection for secure and vibration-resistant wiring.



Status Indicator
Visual indication for operational status. Green = ON, Red = Tripped.

Toggle Switches
Ergonomic handle for manual switching and resetting the circuit breaker.

Branding Label
Original BLITZ mark with printed ratings and model ID for product authenticity.

Branding Label
Original BLITZ mark with Model and voltage printed clearly for easy identification.

Housing Material & Design
Flame-retardant plastic enclosure with compact and modular form factor.

Connectors (Top & Bottom)
Secure screw terminals for input and output cable connection.

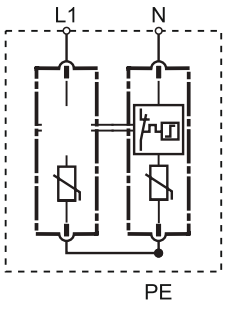
PRODUCT INTRODUCTION

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

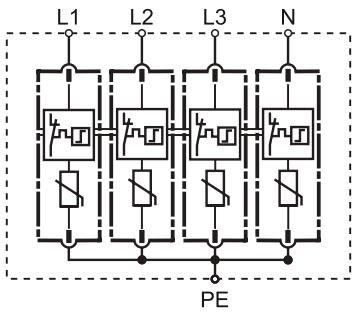
Available in both 1-Phase (2P) and 3-Phase (4P) configurations, Blitz SPDs are easy to install, DIN rail mountable, and include visual status indicators for quick diagnostics.

CONNECTION DIAGRAM

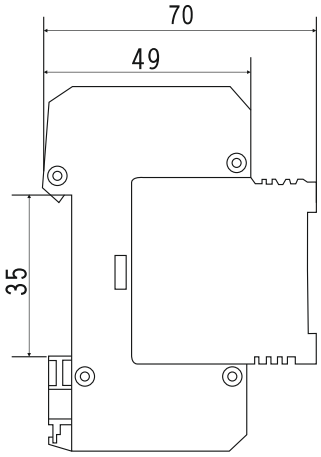
BLT-AC-320V-T2-2P

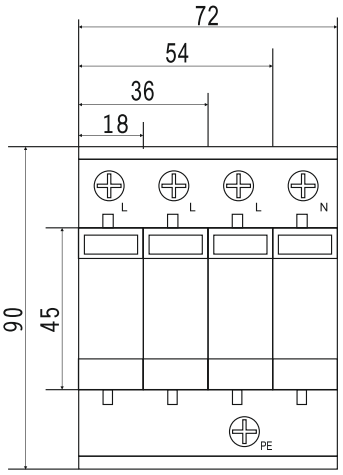


BLT-AC-320V-T2-4P

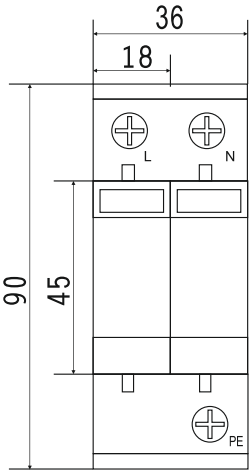


PRODUCT DIMENSION DRAWINGS





AC SPD 3 PHASE - 4 POLE



AC SPD 1 PHASE - 2 POLE

TECHNICAL SPECIFICATION TABLE

Technical Parameters	1-Phase 2P (BLT-AC-320V-T2)	3-Phase 4P (BLT-AC-320V-T2)
SPD Classification According to EN61643-11	Type 2	Type 2
SPD Classification According to IEC61643-11	Class II	Class II
Nominal Voltage (Un)	230/415V AC	230/415V AC
Max. Continuous Operating Voltage (Uc)	320V AC	320V AC
Max. Continuous Operating Voltage [N-PE] (Uc)	255V AC	255V AC
Nominal Discharge Current (In)	20kA	20kA
Max. Discharge Current (Imax)	40kA	40kA
Voltage Protection Level (Up)	≤ 1.5kV	≤ 1.5kV
Voltage Protection Level [N-PE] (Up)	1.0kV	1.0kV
Response Time (tA)	≤ 25ns	≤ 25ns
Response Time [N-PE] (tA)	≤ 100ns	≤ 100ns
Operating Temperature Range (Tu)	-40°C to +70°C	-40°C to +70°C
Operating State / Fault Indication	Green / Red	Green / Red
Cross-Section Area (Min)	4mm²	4mm²
Cross-Section Area (Max)	35mm²	35mm²
Mounting	35mm Din Rail	35mm Din Rail
Enclosure Material	Thermoplastic UL94-V0	Thermoplastic UL94-V0
Remote Signalling Contact	Optional	Optional
Degree of Protection	Ip20	Ip20

DC SPDs

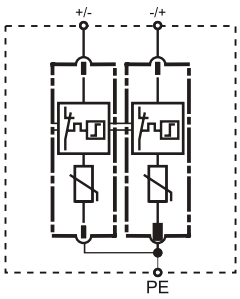
PRODUCT INTRODUCTION

Blitz DC Type 2 Surge Protection Devices are engineered to provide essential protection against overvoltages in DC circuits. These devices are crucial for protecting sensitive components in photovoltaic systems, industrial applications, and energy storage systems from lightning strikes and switching surges.

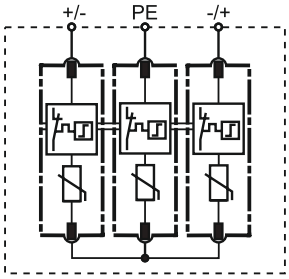
Available in 600V and 1000V configurations, Blitz DC SPDs ensure long-term reliability, fast response times, and secure performance for both low-voltage and high-voltage DC systems. These products are DIN rail mountable and come with visible fault indicators for efficient maintenance and system diagnostics.

CONNECTION DIAGRAM

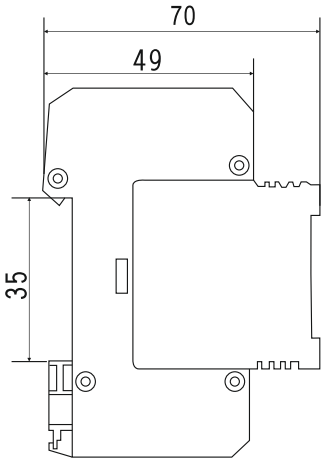
BLT-DC-600V-T2-2P

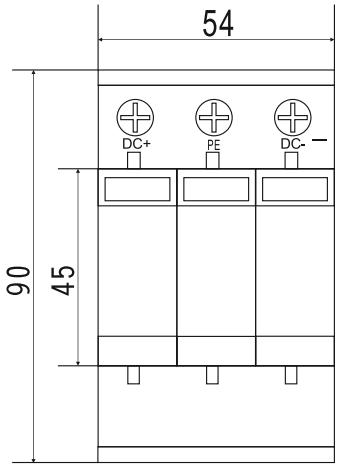


BLT-DC-1000V-T2-3P

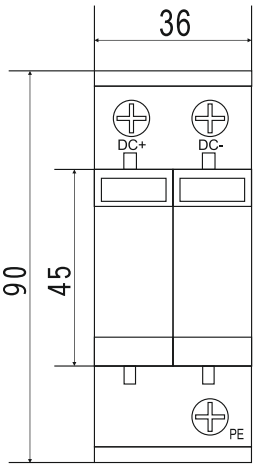


PRODUCT DIMENSION DRAWINGS





DC SPD 1000V



DC SPD 600V

TECHNICAL SPECIFICATION TABLE

Technical Parameters	BLT-DC-600V-T2-2P	BLT-DC-1000V-T2-3P
SPD Classification According to EN61643-31	Type 2	Type 2
SPD Classification According to IEC61643-31	Class II	Class II
Max. Continuous Operating Voltage (Ucpv)	600V DC	1000V DC
Nominal Discharge Current (In)	20kA	20kA
Max. Discharge Current (Imax)	40kA	40kA
Voltage Protection Level (Up)	≤ 2.2kV	≤ 3.5kV
Response Time (tA)	≤ 25ns	≤ 25ns
Response Time [N-PE] (tA)	≤ 100ns	≤ 100ns
Operating Temperature Range (Tu)	-40°C to +70°C	-40°C to +70°C
Operating State / Fault Indication	Green / Red	Green / Red
Cross-Section Area (Min)	4mm²	4mm²
Cross-Section Area (Max)	35mm²	35mm²
Mounting	35mm DIN Rail	35mm DIN Rail
Enclosure Material	Thermoplastic UL94-V0	Thermoplastic UL94-V0
Short Circuit Current Rating (Iscpv)	1000A	1000A
Remote Signalling Contact	Optional	Optional
Degree of Protection	Ip20	Ip20

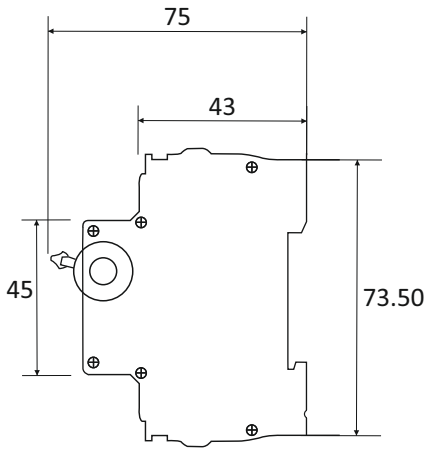
DC MCBs

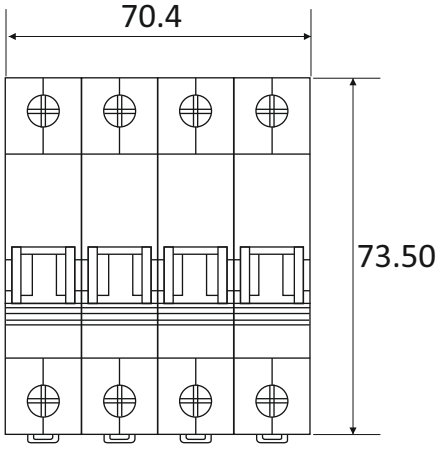
PRODUCT INTRODUCTION

Blitz MCBs (Miniature Circuit Breakers) provide crucial protection for electrical circuits from overload and short-circuit faults. They are designed to ensure the safety of your electrical installations, offering reliable, fast disconnection in fault conditions. Available in 2-Pole and 4-Pole configurations, Blitz MCBs are ideal for residential, commercial, and industrial applications.

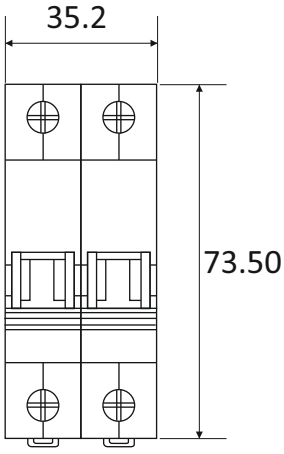
These MCBs meet international standards and offer high performance, ensuring optimal protection for all connected devices.

PRODUCT DIMENSION DRAWINGS





DC MCB 1000V



DC MCB 500V

TECHNICAL SPECIFICATION TABLE

Technical Parameters	MCB 500V	MCB 1000V
Device Application	Distrubution	Distrubution
Network Type	DC	DC
Pole Description	2P	4P
Rated Current (In)	16/20/25/32/50/63A-500V	16/20/25/32/50/63A-1000V
Tripping Curve	C	C
Breaking Capacity (Icu)	6kA at 500V DC	6kA at 1000V DC
Utilisation Category	A conforming to IEC 60947-2	A conforming to IEC 60947-2
Suitability for Isolation	Yes Conforming to IEC 60947-2	Yes Conforming to IEC 60947-2
Rated Operational Voltage (Ue)	500V DC	1000V DC
Rated Service Breaking Capacity (Ics)	4.5 kA	8.0 kA
Rated Insulation Voltage (Ui)	800 V	800 V
Rated Impulse Withstand Voltage (Uimp)	4 kV	8 kV
Contact Position Indicator	Yes	Yes
Mounting Mode	Fixed	Fixed
Mounting Support	35 mm Din Rail	35 mm Din Rail
Mechanical Durability	20000 Cycles	20000 Cycles
Electrical Durability	1500 Cycle at 500V DC	1500 Cycle at 1000V DC
Tightening Torque	2.5 Nm	2.5 Nm
Over Voltage Category	3	3
Operating Attitude	III	III
Pollution Degree	≤ 2000 m	≤ 2000 m
Ambient Temperature for Operation	-25°C to + 40°C	-25°C to + 40°C
Ambient Remperature for Storage	-20°C to + 70°C	-20°C to + 70°C

Technical Parameters	Specification	
PV SOLAR FUSE TERMINAL		
Rated Voltage	1000 V DC	1500 V DC
Rated Current (In)	32A	32/50A
Pole Description	1 P	1 P
Degree of Protecon	IP 20	IP 20
Rated Cross Secon	1.0 - 25.0 mm²	1.0 - 25.0 mm²
Rated torque	2 Nm	2 Nm
Dimensions (W x H x P)	78 X 68 X 18 mm	127 X 68.8 X 21.7 mm
Making Label	KN 5.5	KN 5.5
Mounting Channel	CHK /CHKS	CHK /CHKS
Standard Box Packing	20 Nos.	20 Nos.
PV SOLAR FUSE LINK		
Rated Voltage	1000 V DC	1500 V DC
Rated Currenr (In)	20/25/30 A	35/50 A
Type	PV (Cylindrical)	PV (Cylindrical)
Dimension	Ø 10 X 38 mm	Ø 10 X 85 mm
Testing Standard	IEC 60269-6	IEC 60269-6
Class of Operation	gPV	gPV
Breaking Capacity	50kA	50kA

Surge Protection Devices

AC SPDs

DC SPDs

Miniature Circuit Breaker

MCBs

Fuse Terminal and Fuse Link

Fuse Terminal

Fuse Link

Our Clients

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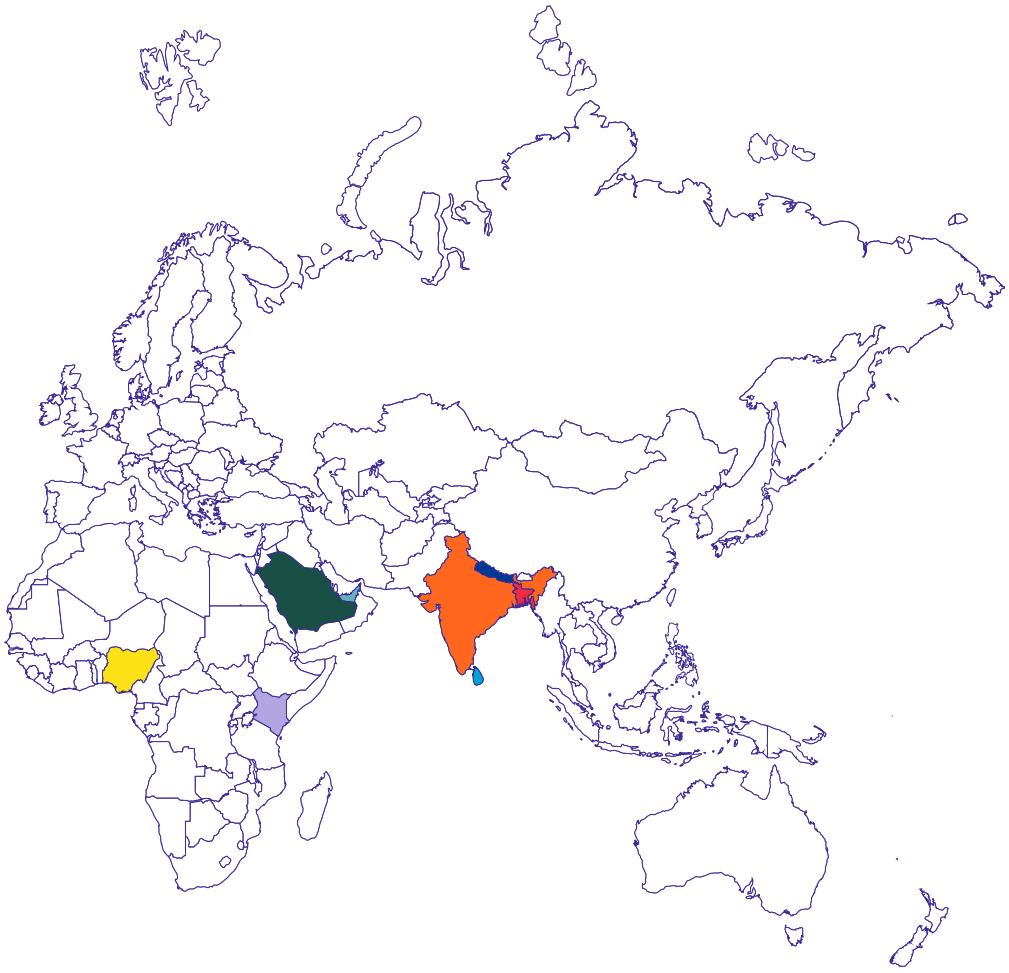

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