

AC Surge Protection Device 500V

This AC surge protection device (SPD) protects against lightning surge voltages. It is installed in parallel on AC networks, providing common and differential modes protection.



ADDITIONAL IMAGES

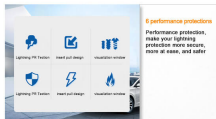


Overview

CHARACTERISTIC



Lightning protection
The combination of electronic applications and surge protection forms a comprehensive equipotential body between the main bus, the equipment ground and the ground, and avoids the potential difference caused by lightning and other surges and discharge, the induced lightning current or surge current leads to protect the safety of people and equipment in the building.



Performance protection
Performance protection, make your lightning protective more secure, more at ease, and safer.



Applied to products
Surge protector (SPD) is an equipotential device, it can effectively prevent lightning and other surge voltages, protecting the protected equipment or system from impact.



Scope of application
Widely installed in the station, when use on the floor, control room, computer room, data center, storage control room, control room, TV room, building system control room, etc. can be used with automatic control room, hospital operating room, control room and distribution room equipped with electronic control equipment building inside.

The SPD forms an equipotential body to shunt lightning currents safely to Earth, protecting building infrastructure.

High-Performance AC Surge Protection

The KYV-LY1-C series surge protective devices are engineered to safeguard AC networks against lightning surge voltages and transient overvoltage events. These units are designed for parallel installation, providing robust common and differential mode protection for critical infrastructure. By shunting induced currents to ground, they ensure the safety of both personnel and sensitive electronic equipment in diverse industrial and commercial environments.

Electrical Parameters

Kayal

Surge Protector
Device

KYVLC-1



Modular 3-phase configuration designed for high-capacity discharge protection.

Voltage Specifications

500 VAC

Nominal Voltage (Un)

500 VAC

MCOV (Uc)

2.5 kV

Voltage Protection Level (Up)

Discharge Capacity

Discharge Current Ratings

Parameter	Value
Nominal Discharge Current (In)	20 kA
Max. Discharge Current (Imax)	50 kA
Impulse Current (8/20 μ s)	Available up to 50kA

Standards & Protection

Standards Compliance

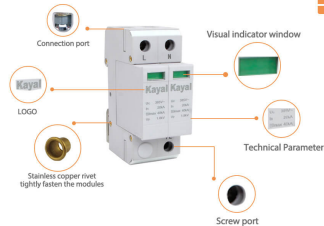
IEC61643-11, Class 1 / Type 1, Class 2 / Type 2, IP20 Rated

Design Features

PRODUCT DESCRIPTION

SURGE PROTECTOR DEVICE

IP20



Features include a visual status window, secure copper rivets, and IP20 rated housing.

Key Design Elements

- Insert-pull modular design for easy maintenance
- Visual status indicator window
- Stainless copper rivets for secure module fastening
- Parallel installation on AC networks
- Common and differential mode protection

Applications

Recommended Application Areas

- Floor distribution boxes
- Telecommunications and computer centers
- Industrial automatic control rooms
- Elevator and fire control centers
- Hospital operating rooms and medical equipment
- Building automation systems