AC Surge Protection Device 500V

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

ADDITIONAL IMAGES

Overview

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

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

Voltage Specifications

500 VAC	500 VAC	2.5 kV
Nominal Voltage (Un)	MCOV (Uc)	Voltage Protection Level (Up)

Discharge Capacity

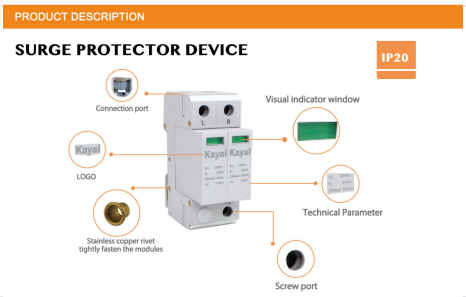
Discharge Current Ratings

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

Standards & Protection

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

Design Features



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