

IT-FL422-SP

RS-422 Surge Protector

Features

1. Accord IEC61643-21、VDE0675、GB18802.1 standard
2. Protected signal ground connection
3. The high response surge arresters
4. Inhibition voltage and low loss against high speed signal
5. Easy to install, plug-and-play



Introduction

IEC61643-21 is the recognized standards for top quality surge protectors, IT-FL422-SP have high respond speed, low output rudimental voltage, ascendance transfer performance. Interface using 4Pin crimping terminal, inhibition of lines on the high voltage pulse, protects the backend equipment to avoid damaged by lightning,

industrial surge and electrostatic discharge overvoltage damage.

This product uses metal shell, has good sealing property. It has the function of shielding and dust preventing corrosion. Products are connected in series, and installed in the front of the protected equipment.

Specification

Standard: Accord IEC61643-21、VDE0675、GB18802.1 standard

Rated voltage: 5V

Max sustainable working voltage: 6.8V

Bandwidth: 2Mbps

Protection Mode: 10V (Line-Line、Line-Ground)

Connector: 3.81mm 4-bit terminal block

Insert consumption: $\leq 0.2\text{dB}$

Delay time: $< 1\text{ns}$

Environment

Working temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Storage temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Humidity: Relative humidity 5% to 95%

Power

Input powered: No power supply needed

Consumption: No consumption

Dimension

L×W×H: 50*25*25mm

Shell: Alnico

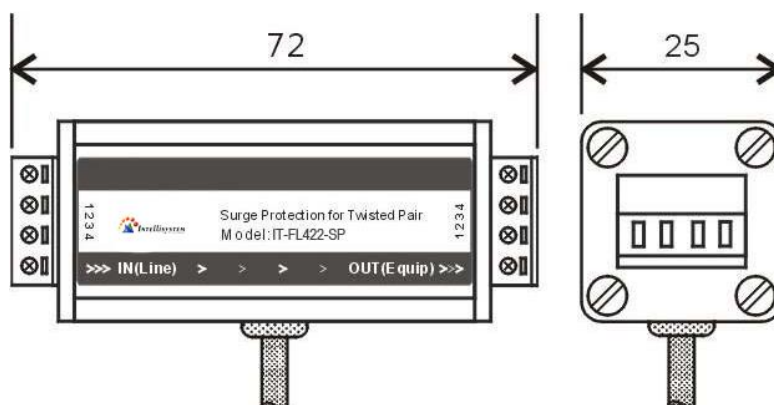
Color: Blue

Weight: 10g

Warranty: 3 years

Approvals: FCC, CE, RoHS approvals

Dimensions



Installation instructions

1. The surge protector is connected in series and is installed as close as possible to the protected equipment.
2. When installing surge protectors, the device should be connected between the access line and the protected device.
3. Surge protector for fault detection when the product should be removed, measured between input and output resistance, should be less than 10Ω . Between the core wire and ground resistance should be greater than $10M\Omega$. If the measured data does not meet the above requirements, the product is faulty, should be replaced in time.
4. Lightning protection ground connection should be as short as possible, thick, and straight.

Typical application

1. Overvoltage protection of the industrial equipment interface of RS485/RS422 protocol.
2. Lightning protection for RS232-485 converter.
3. Lightning protection and surge protection of industrial bus equipment using 5V level.

Packing List

1. RS-422 Surge Protector IT-FL422-SP $\times 1$
2. User manual $\times 1$