IT-FL485-SP

RS-485 Surge Protector

INTRODUCTION:

IEC61000-4-5 and ITU-TK20&K21 are the recognized standards for top quality surge protectors, IT-FL485-SP have high respond speed, low output rudimental voltage, ascendance transfer performance. All have #10 ground screws which must be connected to a solid ground.

PACKING LIST:

IT-FL485-SP is shipped with following items.

1. IT-FL485-SP ×1
2. User manual ×1

FEATURES:

1. Three stages of protection on every data line
2. Protected signal ground connection
3. Easy to install, plug-and-play
4. 4500V surge protection

SPECIFICATIONS:

Standard: Accord EIA RS-485 standard

RS485 signal: IEC6100-4-5 and ITU-TK20&21

Working voltage: 0-5V

Limit voltage: <15V

Apply Band rate: 1Mbps

Isolate signal: T+, T-, GND

Connector: Standard industrial terminal block

Insert consumption: <0.5dB

Delay time: <1ns

Environment

Working temperature:-20 to 60

Storage temperature:-25 to 85

Humidity: Relative humidity 5% to 95%

Power

Input powered: No power supply needed

Consumption: No consumption

Dimension

L×W×H: 74mm×25mm×25mm

Shell: Alnico

Color: Blue

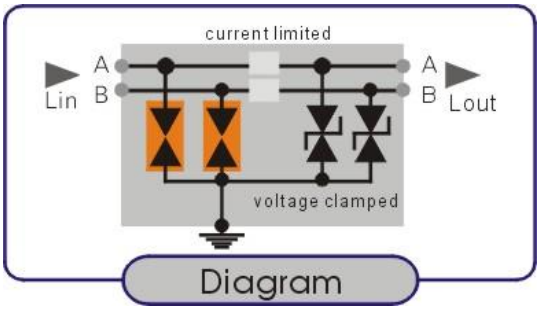
Weight: 10g

Warranty: 5 years

Approvals: FCC, CE, RoHS approvals

CIRCUIT DIAGRAM:

IT-FL485-SP is designed by the theory of current limited and voltage clamped, discharged to ground. When the data line exist surge, the IT-FL485-SP is induced and worked ,the lightning energy is discharged to ground, and the high surge voltage is clamped to low level, so our devices is protected.



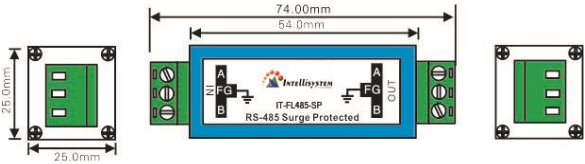
APPLICATIONS:

CAUTIONS AND NOTICES:

1. When installing the IT-FL485-SP between signal and protected device, the Output must be near to protected device, all and earth FG; the resistance is less than 4Ω.

2. Normally, for Output and Input, between A and A, or B and B, the resistance is less than 12Ω. Besides, between A,B and FG, the resistance is more than 1MΩ. Or else, please replace the IT-FL485-SP.

DIMENSION:



CERTIFICATIONS: