

USB 3.0 Surge Protector

USBSSP2



PRODUCT FEATURES

- USB 3.0 data transfer rates of up to 5 Gbps
- USB 2.0 backwards compatible
- 5.0 VDC clamping voltage on data lines
- 5.6 VDC clamping voltage on power line
- Compact form factor

USB Connectivity In Tough Environments

USB was not intended for use outside of the electrically clean office or home environment. This can lead to expensive problems when you need to access data from a device installed in the field or in the factory.

Any time you connect remote I/O equipment to your computer there will be a risk for electrostatic discharge (ESD) or transient surges. Either of these events could damage your USB port or your entire PC. Why take a chance? Protect your investment with the USB Sentinel surge suppressor.

Easy to Use

The compact USB Sentinel fits easily inside your laptop case or pocket. It is transparent to the operating system, host computer or hub. It requires no drivers.

The USB Sentinel protects the USB port on your computer against power surges and other types of voltage disturbances on your USB cables at USB 2.0 and USB 3.0 speeds.

Rugged Specifications

The USB signals have a clamping voltage of 5.0 volts. The power line has a clamping voltage of 5.6 volts. Clamping time is 20 μ s.

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
USBSSP2	USB 3.0 Surge Protector (with USB 3.0 cable)

ACCESSORIES

520-00071-00 - USB 3.0 Cable (included)

USB 3.0 Surge Protector

Model USBSSP2



SPECIFICATIONS

USB INTERFACE	
Standards	USB 3.0
Upstream Port	USB 3.0 Micro Type B
Downstream Port	USB 3.0 Type A Female
Clamping Time	20 μ s
Clamping Voltage Data Lines	5.0 VDC
Clamping Voltage Power Lines	5.6 VDC
Surge	700 V data, 1000 V power
MECHANICAL	
Dimensions	11.4 x 3.1 x 2.5 cm (4.50 x 1.22 x 0.96 in)
Enclosure	IP 30, Polycarbonate Plastic
Weight	.8 oz (22.7 g)
MTBF	2,624,561 Hours
MTBF Calc. Method	MIL 217F Parts Count Reliability
ENVIRONMENTAL	
Operating Temperature	0 to 80°C (32 to 176°F)
Storage Temperature	-40 to 85°C (-40 to 176°F)
Operating Humidity	0 to 95% non-condensing

APPROVALS / CERTIFICATIONS		
CE	EN 61000-6-2	(Heavy Industrial)
	EN 61000-4-2	(ESD) ± 8 kV/ ± 15 kV (contact/air)
	EN 61000-4-3	80-1000MHz 10 V/m
	EN 61000-4-4	(RFI) 1.4 - 2.0 GHz, 3 V/m
	EN 61000-4-4	2.0 GHz - 2.7 GHz, 1V/m
	EN 61000-4-6	(EFT) ± 2 kV Power, ± 1 kV Data
	EN 61000-4-6	(CI) 10 Vrms all ports
	EN 55022	Emissions FCC Class A, CISPR Class A

MECHANICAL DIAGRAM

