



Model SP250A-R2

Single-Port Category 5 Primary Surge Protector CE

The SP250A-R2 is a single-port Category 5 primary surge protector, designed to protect the 8 lines (4 pair) used in a standard Category-5 cable. The SP250A-R2 is compatible with 10/100 Base T networks. Network connection to the SP250A-R2 is made by RJ45 female connectors. Grounding is accomplished using a braided cable strap.

Features

- Protects all eight lines
- Operation at data rates up to 100Mbps
- Multi-level surge protection
- Shunts surges directly to chassis ground
- Easy to install

Applications

- Cable runs between floors
- Ethernet I/O
- PLC Ethernet connections
- Factory floor Ethernet networks

Connections

Two standard RJ45 connections allow the SP250A-R2 to be placed inline between any two Ethernet devices. A braided cable grounding strap is provided to connect the SP250A-R2 to earth ground.

Specifications

Physical Description

Length: 3.00 in. (7.6 cm)
 Width: 1.67 in. (4.2 cm)
 Height: 0.84 in. (2.1 cm)
 Braided cable: 6.00 in. (15.2 cm)

Material

Flame retardant: ABS plastic (UL 94-5VA)
 Temperature: 0 to 70°C (32 to 158°F)

Electrical

DC clamp voltage: Common Mode to Ground: Each line 7.5 Volts at 50mA
 Differential Mode: Per pair: 8.1 volts at 50mA

Response time: Clamped to 13 volts after 0.1us

Peak pulse power: 1500 watts

Peak pulse current: 15.4 Amps (25°C)

Break down voltage: 15 V

Approvals: FCC Class A, CE

Model Number:	SP250A-R2	CE
Description:	1 Port Ethernet Surge Protector	
Type:	Light Industrial ITE equipment	
Application of Council Directive:	89/336/EEC	
Standards:	EN55022	
	EN50082-1 EN61000 (-4-2,-4-3,-4-4,-4-5,-4-6,-4-8,-4-11)	

Black Box Corporation - 1000 Park Drive - Lawrence, PA 15055-1018
 Tech Support and Ordering: 724-746-5500 - Fax: 724-746-0746
 To contact us about Black Box products or services: info@blackbox.com