



SurgeGate Series Modular Protection

CAT6-POE—CATEGORY 6 PROTECTOR FOR MID-SPAN POWER OVER ETHERNET APPLICATIONS

Features

- UL Listed for Primary (497) and Isolated Loop (497B) applications.
- Exceeds TIA/EIA Standards 568B.2-1 and 758 for category 6 performance.
- Solid-state protection provides the fastest response to transient voltages (1–5 nanoseconds) by quickly diverting damaging surges to ground.
- Use between buildings in a campus environment as a building entrance protector or in hostile industrial applications as an isolated loop protector.
- **Expandable System Protection**—SurgeGate Series Base Units and Modules can be attached to expand system protection as your system grows.
- **Lifetime Product Warranty**—This surge protector shall be free of any defects in design, materials, or workmanship, or ITW Linx will repair or replace the defective product.
- **\$50,000 Connected Equipment Warranty**—This ITW Linx product will protect your equipment or we will repair or replace it up to \$50,000!



Technical Specifications

Designs and specifications are subject to change without notice due to product improvement.

PRODUCT SPECIFICATIONS:

Agency Approval	UL Primary (497) and Isolated Loop (497B)
LED Indicators	N/A
Grounding Requirements	Uses Electrical AC ground, for use with SurgeGate Series AC Base Units. See Technical Reference page 106–107 for additional grounding tips.
Recommended Ground Impedance	< 0.5 Ohm
Width	4.25"
Height	4.25"
Depth	1.5"
Weight	0.42 lbs
Product Warranty	Lifetime
Connected Equipment Warranty	Up to \$50,000



For up-to-date warranty information see our web site: www.itwlinx.com



AC SURGE PROTECTION:

SurgeGate Plus Circuitry	N/A
Protect or Disconnect Circuitry	N/A
Thermal Fusing	N/A
Catastrophic Surge Circuit	N/A
Over/Undervoltage Voltage Protection	N/A
Overvoltage Voltage Shutoff	N/A
Undervoltage Voltage Shutoff	N/A
Single Pulse Energy Dissipation	N/A
Peak Impulse Current	N/A
EMI/RFI Noise Filtration	N/A
Line Voltage	N/A
Initial Clamping Level	N/A
Clamping Level	N/A
Protection Modes	N/A
Maximum Current Rating	N/A
Response Time	N/A
Plug Configuration	N/A
Number of Outlets	N/A
Switched Outlets	N/A
Cord Length	N/A

SIGNAL LINE SURGE PROTECTION: TELCO CIRCUIT PROTECTION

Signal Perfect Circuitry	N/A
Fuseless/Auto-Resettable	N/A
Clamping Level	N/A
Response Time	N/A
Capacitance	N/A
Suppression Modes	N/A
Wires Protected	N/A
Termination Type	N/A

COAX CIRCUIT PROTECTION

Signal Perfect Circuitry	N/A
Fuseless/Auto-Resettable	N/A
Response Time	N/A
Termination	N/A
Antenna/Cable Lines Protected	N/A
Antenna/Cable Clamping Level	N/A
Antenna/Cable Attenuation	N/A
Satellite Lines Protected	N/A
Satellite Clamping Level	N/A
Satellite Attenuation	N/A

LAN CIRCUIT PROTECTION

Signal Perfect Circuitry	Yes
Fuseless/Auto-Resettable	Yes
Performance Rating	Cat 6
Clamping Level	16V—Data (Green & Orange pairs) 68V—Power (Blue & Brown pairs)
Capacitance	< 20pF
Response Time	1–5 Nanoseconds
Wires Protected	4-pairs
Termination Type	110 Punchdown



More information is available in the Technical Reference section of this catalog, turn to page 86.

Ordering Information

ITW Linx Part Number	Description	Termination Type
CAT6-POE	Protects high-performance 4-pair Category 6 Outside Plant Cables as well as Category 6 UTP cables for Power Over Ethernet applications (16V & 68V clamping).	110 Punchdown

Can also be used for mid-span POE applications where power and data are separate.



Surge Protection Solutions

Contact an Authorized Distributor for Pricing

www.itwlinx.com

Modular Protection

SurgeGate

Applications:

- Telephone Systems
- Workstations
- Cameras
- Access Controls
- Alarms
- Networks