



## 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](http://www.itwlinx.com)



#### 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.

#### 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

#### 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

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Modular Protection

SurgeGate

#### Applications:

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