Modular Protection

SurgeGate

CAT5-LAN—CATEGORY 5E SOLID-STATE BUILDING ENTRANCE PROTECTOR

Features

- UL Listed for Primary (497) and Isolated Loop (497B) applications.
- Exceeds TIA/EIA Standards 568 and 758 for category 5e 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:
ww.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 5e
Clamping Level 16V
Response Time . . . . 1–5 Nanoseconds
Capacitance . . . . < 20pF
Wires Protected 4-pairs
Termination Type. . . . . 110 Punchdown or RJ-45

Signal Perfect™

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
CAT5-LAN	Protects high-performance 4-pair Category 5e Outside Plant Cables as well as Category 5e UTP cables for LAN/Data applications (16V clamping).	110 Punchdown
CAT5-LAN-RJ45	Protects high-performance 4-pair Category 5e Outside Plant Cables as well as Category 5e UTP cables for LAN/Data applications (16V clamping).	RJ-45

Applications:
- Work-stations
- Cameras
- Access Controls
- Alarms
- Networks

ITW Linx®
Communications Products