

### FPPCAT6—CATEGORY 6 FIVE PIN SURGE PROTECTION MODULES

#### Features

- **Superior Category 6 performance**—TIA/EIA 568-B-2.1. Must be used in conjunction with ITW Linx FPP-CAT6-xxx five pin modules for Cat 6 performance.
- **Primary/Isolated Loop (UL497/UL497B)**—UL Listing is critical for ensuring safety and performance of protection devices.
- **Solid-state protection**—Provides the fastest response to transient voltages (1–5 nanoseconds) by quickly diverting damaging surges to ground.
- **Single pair protection**—Protect only the lines requiring protection.
- **Rack mounted or wall-mounted**—First Building Entrance Terminal in the industry to mount to standard.
- **Clamping Voltages**—16V, 75V, 235V.
- **Streamlined Installation**—Press fit protectors to the the block.
- Individual Five Pin Modules offer system scalability and serviceability.
- Gold plated contacts for corrosion resistance.



#### Technical Specifications

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

##### PRODUCT SPECIFICATIONS:

Agency Approval . . . . .	UL 497 (Primary), 497B (Isolated Loop)
LED Indicators . . . . .	N/A
Performance Rating . . . . .	Category 6 (when used with CAT6 BET's)
Grounding Requirements . . . . .	Field installed solid cooper wire
	for use with Category 6 Building Entrance Terminals.
Recommended Ground Impedance . . . . .	< 0.5 Ohm
Solid-state Circuitry . . . . .	Yes
Termination Type . . . . .	Five Pin
Width . . . . .	.75"
Height . . . . .	3.5"
Depth . . . . .	0.51"
Weight . . . . .	0.02 lbs
Product Warranty . . . . .	Lifetime
Connected Equipment Warranty . . . . .	N/A

##### SIGNAL LINE SURGE PROTECTION:

###### TELCO CIRCUIT PROTECTION

Signal Perfect Circuitry . . . . .	Yes
Fuseless/Auto-Resetttable . . . . .	Yes
Clamping Level . . . . .	75V, 235V
Response Time . . . . .	1–5 Nanoseconds
Capacitance . . . . .	< 20pF
Suppression Modes . . . . .	N/A
Wires Protected . . . . .	2-wires, 1-pair
Termination Type . . . . .	Five Pin Block

###### LAN CIRCUIT PROTECTION

Signal Perfect Circuitry . . . . .	Yes
Fuseless/Auto-Resetttable . . . . .	Yes
Performance Rating . . . . .	Category 6
Capacitance . . . . .	< 20pF
Clamping Level . . . . .	16V
Response Time . . . . .	1–5 Nanoseconds
Wires Protected . . . . .	2-wires, 1-pair
Termination Type . . . . .	Five Pin Block

For up-to-date warranty information see our web site: [www.itwlinx.com](http://www.itwlinx.com)



**More information is available in the Technical Reference section of this catalog, turn to page 92.**

#### Ordering Information

ITW Linx Part Number	Description
<b>FPPCAT6-16</b>	Category 6 Primary Five Pin protector for LAN applications, 1-pair, 16V clamping.
<b>FPPCAT6-75</b>	Category 6 Primary Five Pin protector for digital voice applications, 1-pair, 75V clamping.
<b>FPPCAT6-235</b>	Category 6 Primary Five Pin protector for analog voice applications, 1-pair, 235V clamping.

*Use in conjunction with ITW Linx CAT 6 BET's for Cat 6 performance.*

#### Applications:

- Telephone Systems
- Workstations
- Fax Machines
- Cameras
- Access Controls
- Alarms

DL-12C, DL-25C, DL-50C—CATEGORY 6 BUILDING ENTRANCE TERMINALS



Features

- **Superior Category 6 performance**—TIA/EIA 568-B-2.1. Must be used in conjunction with ITW Linx FPP-CAT6-xxx five pin modules for Cat 6 performance.
- **Primary/Isolated Loop (UL497/UL497B)**—UL Listing is critical for ensuring safety and performance of protection devices.
- **Solid-state protection**—Provides the fastest response to transient voltages (1–5 nanoseconds) by quickly diverting damaging surges to ground.
- **Single pair protection**—Protect only the lines requiring protection.
- **Rack mounted or wall-mounted**—First Building Entrance Terminal in the industry to mount to a standard 19" rack
- **Size**—12-pair, 25-pair, and 50-pair protection.
- **Streamlined Installation**—Punch down the OSP cable on the “Line” side and punch down the UTP cable on the “Equipment” side of the integral 110 connectors.
- Individual Five Pin Modules offer system scalability and serviceability.
- Covered to provide added security and durability and ensure your transmission certification.
- Gold plated contacts for corrosion resistance.
- Integral cable management and strain relief and durable black painted steel housings.
- Grounding hardware included.

Technical Specifications

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

PRODUCT SPECIFICATIONS:

Agency Approval . . . . .	UL 497 (Primary), 497B (Isolated Loop)
LED Indicators . . . . .	N/A
Performance Rating . . . . .	Category 6 (when used with FPP-CAT6 modules)
Grounding Requirements . . . . .	Field installed solid cooper wire
. . . . .	#6 AWG for Primary
. . . . .	#14 AWG for Isolated Loop
Recommended Ground Impedance . . . . .	< 0.5 Ohm
Termination Type . . . . .	110 punchdown
Width . . . . .	see ordering information below
Height . . . . .	19"
Depth . . . . .	4.1"
Weight . . . . .	N/A
Product Warranty . . . . .	Lifetime
Connected Equipment Warranty . . . . .	N/A

SIGNAL LINE SURGE PROTECTION:

<b>TELCO CIRCUIT PROTECTION</b>	
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

LAN CIRCUIT PROTECTION

Signal Perfect Circuitry . . . . .	N/A
Fuseless/Auto-Resettable . . . . .	N/A
Performance Rating . . . . .	N/A
Clamping Level . . . . .	N/A
Response Time . . . . .	N/A
Wires Protected . . . . .	N/A
Termination Type . . . . .	N/A

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Ordering Information

ITW Linx Part Number	Description
<b>DL-12C</b>	12-pair Cat 6 rated BET with cover, Rack- or wall-mountable, 5.2" × 19" × 4.1".
<b>DL-25C</b>	25-pair Cat 6 rated BET with cover, Rack- or wall-mountable, 8.7" × 19" × 4.1".
<b>DL-50C</b>	50-pair Cat 6 rated BET with cover, Rack- or wall-mountable, 15.7" × 19" × 4.1".

Use in conjunction with ITW Linx FPP-Cat 6-xxx five pin modules for Cat 6 performance.

DataLinx Cat 6 Building Entrance Terminals

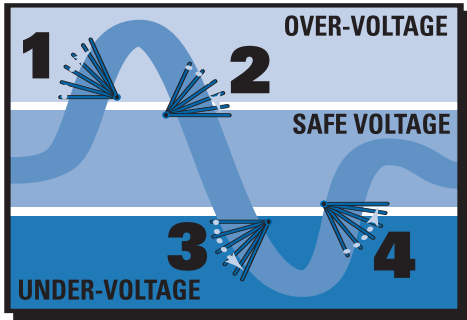
Applications:

- Telephone Systems
- Workstations
- Fax Machines
- Cameras
- Access Controls
- Alarms

**ITW LINX INNOVATIVE PROTECTION CIRCUITRY FEATURING:**

*SurgeGate Plus Circuitry*

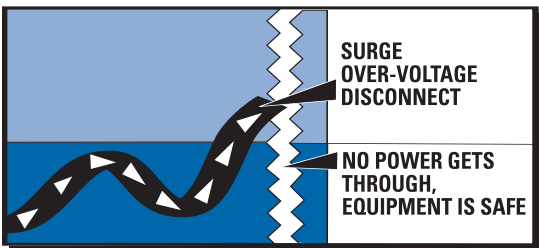
Protects against prolonged overvoltages and undervoltages by automatically disconnecting the power to your equipment, then reconnecting it when the power has returned to a safe level. This patented circuitry acts as a gate to prevent unsafe voltages from damaging sensitive equipment.



- 1.) Overvoltage **DISCONNECT**
- 2.) Safevoltage **RECONNECT**
- 3.) Undervoltage **DISCONNECT**
- 4.) Safevoltage **RECONNECT**

*Protect or Disconnect Circuitry*

Protects equipment against all surges. In the event of a catastrophic surge such as lightning, it completely disconnects AC power to the connected equipment and to the protector.



*Signal Perfect Circuitry*

Auto-resetting surge protection for data networks, telephone and coax lines. This optimized circuitry ensures a clean, clear signal and features solid-state suppressors for maximum protection and reliability.

