

Communication Line Protection

Powervar's Next Generation N6-2 Communication Line Protector (CLP) offers a leading-edge technology which provides a patented "Transient Blocking" and switch grade fail short device combination. The N6-2 Series protects circuits by rapidly switching to a blocked state. This technology balanced with over voltage, fast resettable sneak current protection and low surge let through provides the best level of protection for high speed communications lines and equipment.

Applications: Use with standard analog or digital telephone sets or lines, POTS, Trunks, ADSL and OPX cables.

Installation: Direct connect (plug into) existing 66 series M1 type connection block. Requires separate ground bar for earth connection for up to 25 protection modules for each connection block. Each module contains protection circuit for one 2-wire communications circuit.



Characteristics – Model Number N6-27-BLK-2

Impulse (Limiting Voltage) performance: Impulse Input @ 10/1000 uS, 1.5 kV, 100A LetThrough Voltage – Line to Earth (typical / max.) 50-Ohm Load LetThrough Voltage – Line to Line (typical / max.) 50-Ohm Load	60 V / 100 V 60 V / 100 V
DC Breakdown (Limiting) Voltage Range: 100 V/S @ 1mA Line to Earth Line to Line	280 – 420 650 V
Module Loop Resistance @ 25°C (Each Leg) in Ω	11 Ω min, 13 Ω max
Maximum Operating / Holding Current	225 mA
Trip Current	> 260 mA
Response Time	< 100 nS
Insulation Resistance @ 50 VDC	> 100 MΩ
Response Time	< 100 nS
Overcurrent Protection Non-resetting (Time Delay Fuse)	~ 1.25 A
Test Points	Yes
Operating Temperature	-40°C to 65°C
Classification	Secondary UL, cUL