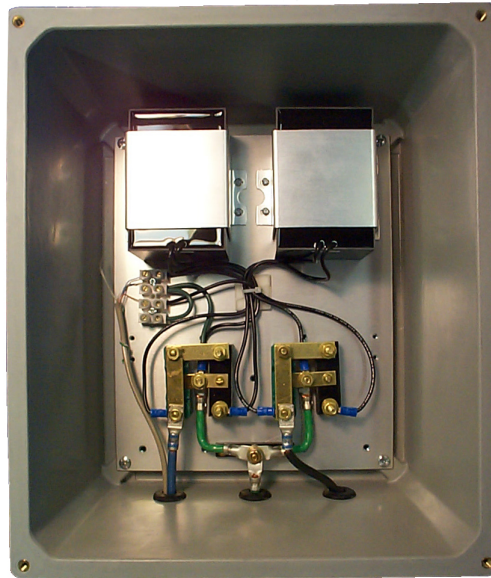


51200 Transmitter Protection Assembly



The 51200 Transmitter Protection Assembly (TPA) is installed at a building location where cable management systems are installed. The 51200 is used at the cable of origin in the cable vault or at the building entry point to safely originate a fiber optic cable armor. The assembly is pre-wired in an enclosure to allow for easy installation at the building entry location. The assembly provides maximum protection against 60 Hz induced power line currents and high voltage transient surges on cable armors.

Features

- Available in single or dual line units
- Pre-wired to simplify office installation
- Rated at .5 amp continuous AC current
- Fiberglass polyester enclosure which meets NEMA and CSA standards for electrical enclosures
- Provides low impedance ground path for high transient voltages
- Provides low impedance ground path for 60 Hz induced voltages
- Hybrid surge suppression circuitry
- Failsafe circuitry design

Specifications

ITEM	QUANTITY/SPECIFICATION	NOTES
Inputs		
Capacitance	< 30 pF	Line to ground
Protection		
DC Breakdown Voltage	300 - 500 VDC	
Impulse Breakdown	500V (Typical) at 100 V/μsec 750V (Max)	
Impulse Current Rating	40,000 A	8x20 μs impulse, single cycle
AC Current Rating (Momentary)	10 A	60Hz AC, 1s application
AC Voltage Rating (Continuous)	175 VAC	60Hz AC continuous
Induced Voltage Filtering		
Voltage Reduction Ration (typical) (Z _{source} = 200Ω, I _F = 500 ma)	7:1	V _I / V _f
Maximum Voltage (Continuous)	20 V	AC RMS
(5 min.)	250 V	AC RMS
Clamping Voltage (typical)	15 V	AC RMS
Impedance (nominal)	30 Ω @ 60 Hz (I = 500 ma) 1200 Ω @ 30 Hz 7000 Ω @ 512 Hz	
Physical		
Dimensions	14" x 12" x 7" (35.6 cm x 30.5 cm x 17.8 cm)	
Weight	14.5 lbs (6.6 kg)	
Model Number(s)	51200 TPA	

AVAILABLE IN SINGLE OR DUAL LINE UNITS

PRE-WIRED TO SIMPLIFY OFFICE INSTALLATION

RATED AT .5 AMP CONTINUOUS AC CURRENT

FIBERGLASS POLYESTER ENCLOSURE WHICH MEETS NEMA AND CSA STANDARDS FOR ELECTRICAL ENCLOSURES

PROVIDES LOW IMPEDANCE GROUND PATH FOR HIGH TRANSIENT VOLTAGES

PROVIDES LOW IMPEDANCE GROUND PATH FOR 60 HZ INDUCED VOLTAGES

HYBRID SURGE SUPPRESSION CIRCUITRY

FAILSAFE CIRCUITRY DESIGN

For more information on any of our products or services, please visit us on the web at:

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