

GUARDIAN



TQ-LP Lightning Surge Protector



Technical Specifications

Impedance	50	
Insulation Resistance	≥5000	
Contact resistance (MΩ)	Inner conductor (MΩ)	≤1
	Outer conductor (MΩ)	≤1
Pressure AC (Vmin)	2500V 1min 2500V 1min - No breakdown and no arcing phenomenon	
Frequency Range (MHz)	DC-3000	
Peak Power (w)	200	
Initial discharge voltage (V)	230	
Peak discharge current (KA)	10/20	
Insertion Loss (dB)	≤0.50	
V.S.W.R.	≤1.20	
Weight (g)	110	

Material Information

Part	Material	Electroplating
Hull	Brass rods	Ni
Plughole	Brass rods	Au
Contact pin	Brass rods	Au
Inner conductor	Brass rods	Au
Sealing element	Silicon rubber	N/A
Dielectric	PTFE	N/A
SC	Stainless	N/A

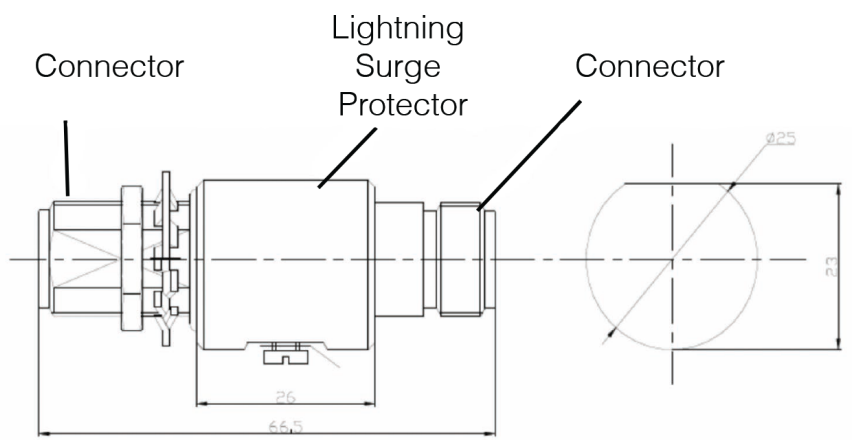
The TQ-LP coaxial lightning surge protectors act as a signal filter and are designed to pass desired frequencies while suppressing lightning surges. Lightning strike electrical surges are diverted through the protector's short-circuit to the ground. TQ-LP features N-Female connectors on both ends.

Installation

To ground the TQ-LP, use 10 or 12-gauge copper wire and attach it to the ground connector screw.

Tighten the screw so the wire is firmly embedded under the screw. Clip the other end of the wire and strip back the jacket to expose the raw wire.

Attach the wire to a grounding point or rod sunk into the ground 8 feet deep. Be sure to check local grounding code requirements as they vary by location.



Ordering Information

Model	Description	Stock No.
TQ-LP	In-line Lightning Surge Protector 50 ohm, N-Female to N-female	3996042