



Nexo Equipotential Bonding Device Nexo EPB Series

Product Datasheet

Features

- High Peak Current capability
- 50kA and 100kA (10/350uS)
- Long life
- Weatherproof enclosure
- Resin sealing
- Anti-vibration



For security reasons and tempest requirements, there are usually separate ground systems in broadcasting, radio, communication, Radar system, Datacenter installations etc... Undeniably, this is available to a certain extent. However, differences in ground potentials is unavoidable when lightning or other transient voltages occur and eventually equipment damage is something least desirable.

The Nexco Equipotential Bonding Nexco EPB can surely help. It is an isolation spark gap which can effectively clamp the grounds together to prevent ground potential differences under transient conditions. Under normal situations, the EPB acts as an effective open circuit which will close immediately if the ground potential difference is above the breakdown voltage of the ISG. The ground potentials are finally equalized. Besides, the EPB can be reset and operate for numerous times.

Model	Nexo EPB250	Nexo EPB500
Spark-Over Voltage @ 100V/s Max Discharge Current, I max 8/20uS	600kA	
Nominal Discharge Current, 8/20uS	250kA	500kA
Impulse Current, 10/350uS	200kA	400kA
Voltage protection Level @ 1kV/uS	50kA	100kA
Insulation Resistance	<1.4V	
Capacitance	<1000MQ	
Enclosure	<30pF	
Dimension & weight	Oxidized Aluminum, weather proof, resin sealed	
Temperature	D 35mm x L 180mm, 5.5g	
	- 40°C~90°C	



The Armor Ring Concept

The Total Energy Risk Mitigation Solution



Cutting Edge Solution for a Modern Facility

Designers and Manufactures of :
Lightning Protection, Surge Protection, Grounding System



Ripo Shield: Series of Surge Protection Devices



Ardo : Grounding Solutions



Nexo: Lightning Protection Solutions

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