138kV and 230kV Plug-In/Plug-Out GIS Termination Fact Sheet *(SSC140 and SSC160)*

Prevent accidental disconnect and maintain reliability with G&W Electric's SSC160 Plug-in/Plug-out GIS Termination

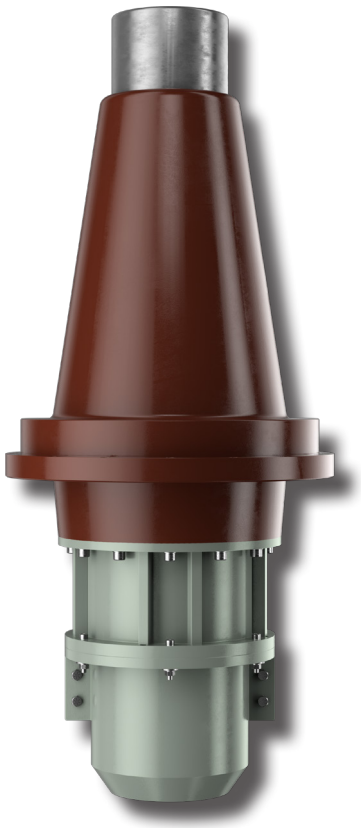
BACKGROUND

G&W Electric's portfolio of transmission cable accessories reflects our long history of industry leading research and development. We are a pioneer in the design and manufacturing of quality cable accessories, with a long history of expertise that actively contributes to the development of standards for IEEE and IEC. We offer a variety of transmission cable accessories for extruded, self-contained and pipe type cables. Our power cable accessories are designed to the latest industry standards to ensure time proven, reliable system performance.

G&W Electric now offers our conventional dry GIS/transformer termination as a plug-in /plug-out solution:

- A two-piece GIS/transformer termination
- The nosecone gets installed at the GIS/transformer manufacturer to allow for factory testing
- Termination is installed in the field and connected to the nosecone
- Termination can be removed from the nosecone after initial installation

Features	Benefits
Multiple testing per IEC standards	Performance power frequency testing proves repeatability of plug-in/plug-out function
Self locking cable connection; supports the cable weight for 5m with no clamping *(maximum cable size of 1600mm^2 (3200kcmil)*	Reduces the risk of the system failing due to a false cable hold
Stress cone is made of translucent material (LSR)	Excellent insulation properties allows for quality checks on the job site.
Built in deflector	Reduces electrical stress by spreading out the voltage lines
Product kit manufacturing	The product kit can be manufactured and inspected at our US and China manufacturing locations



Tested to IEC standards:

- 138kV: IEC60840 and IEC62271-209
- 230kV: IEC62067 and IEC62271-209

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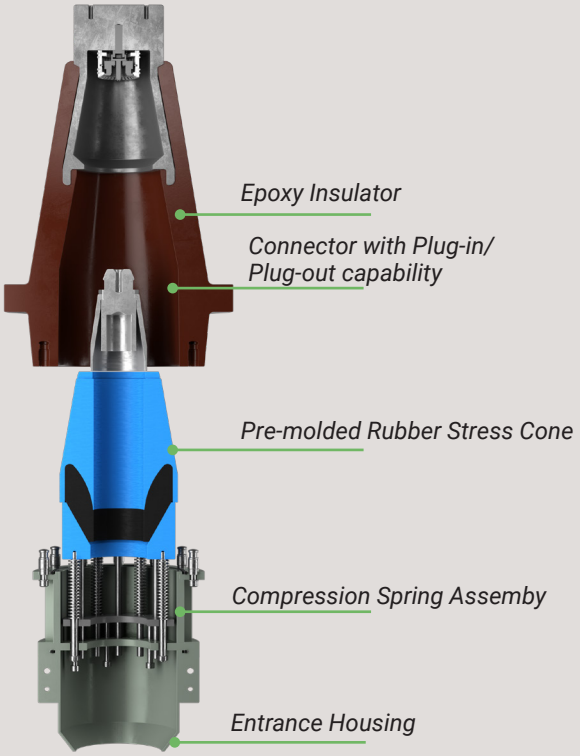
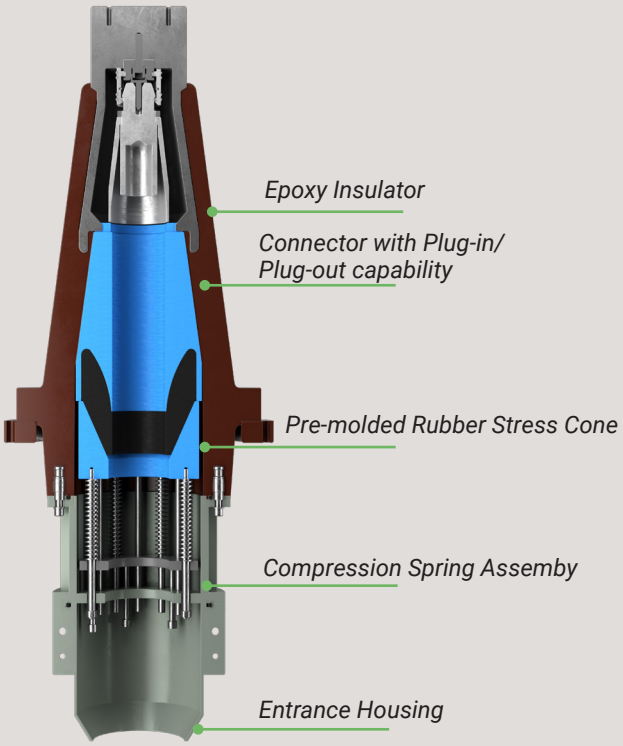


Internal view 1



Internal view 2

Rating for SSC140 Ratings	
Nominal System Voltage	138/145kV
Maximum System Voltage	145kV
Rated Line to Ground Voltage	76kV
Rated BIL	650kV
Standards	IEC60840 & IEC62271-209* *(*Extension adaptor available to meet IEC60859)*
Cable Range	Both Copper and Aluminum extruded cables up to 1600mm^2 (3000kcmil)

Rating for SSC160 Ratings	
Nominal System Voltage	220/230kV
Maximum System Voltage	245kV
Rated Line to Ground Voltage	127kV
Rated BIL	1050kV
Standards	IEC60840 & IEC62271-209* *(*Extension adaptor available to meet IEC60859)*
Cable Range	Both Copper and Aluminum extruded cables up to 1600mm^2 (3000kcmil)

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