



MacLean Power Systems  
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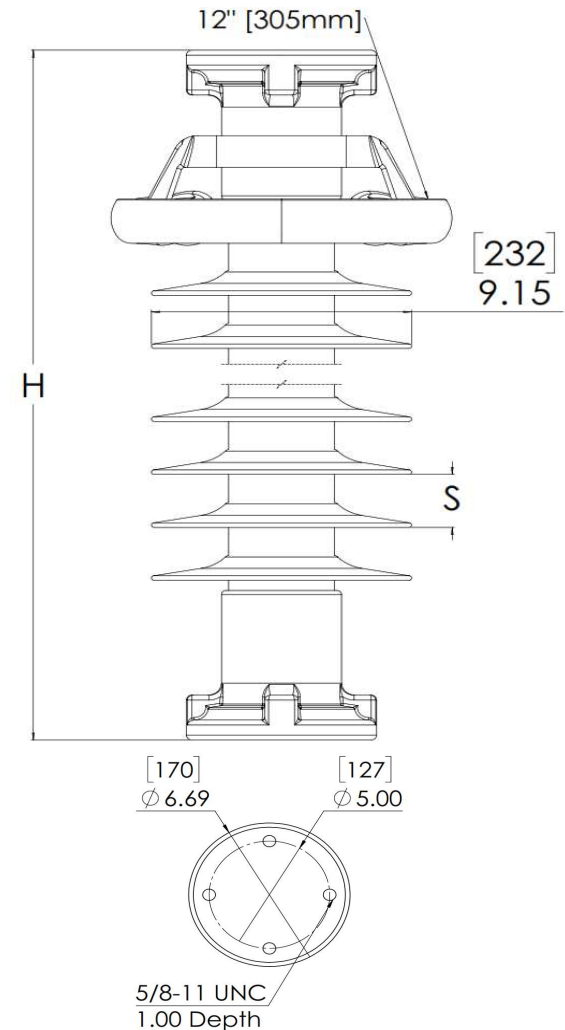
MPS Catalog Number

Date 9/12/2024

Revision: C

**P4 50 57 093 AB SS 037**  
Dimensions acc. To ANSI C29.19  
BIL Rating: 1300 kV TR367/369

<hr/>		<b>End Fittings</b>	<hr/>	
Top End Fitting:		5 Inch Bolt Circle (Hot Dip Galvanized Cast Iron)		
Bottom End Fitting:		5 Inch Bolt Circle (Hot Dip Galvanized Cast Iron)		
<hr/>		<b>Material</b>	<hr/>	
Number of Sheds:			37	
Rod Diameter:			3.5 Inches	
Weight Estimate:	137 lbs		62 kg	
Packaging:			12 Per Crate	
<hr/>		<b>Dimensional Values</b>	<hr/>	
Height (L):		106.0 in	2692 mm	
Rubber Length (X):		93.0 in	2362 mm	
Shed Diameter (B):		9.2 in	234 mm	
Shed Spacing (S):		2.5 in	64 mm	
Dry Arc Distance:		92.6 in	2352 mm	
Leakage Distance:		275.0 in	6985 mm	
<hr/>		<b>Electrical Values</b>	<hr/>	
Low Freq. dry Flashover:	838 kV	Min. Withstand	786 kV	
Low Freq. Wet Flashover:	752 kV	Min. Withstand	616 kV	
Positive CIFO:	1474 kV	Min. Withstand	1295 kV	
Max RIV @ 1 MHz. Low-freq. test voltage	220kV		1000 $\mu$ V	
<hr/>		<b>Mechanical Values</b>	<hr/>	
Specified Cant. Load (SCL):		3,698 lbs	16.4 kN	
Max. Design Cant. Load (MDCL):		1,849 lbs	8.2 kN	
Specified Tensile Load (STL):		25,500 lbs	113 kN	
Specified Compression Strength		25,500 lbs	113 kN	
Deflection at 580 lbs* (2.6kN)		5.7 in	145 mm	
Specified Torsional Strength		50,000 In-lbs	5,649 Nm	



Dimension: inches [millimeters]

NOTE: Drawing not actual depiction of insulator appearance

Silicone Rubber, Sheath, & Dimensions comply with  
ANSI C29.19 and CSA C156.2.

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