



## Pin, Spool & Strain Insulators



**PIN, SPOOL, STRAIN INSULATORS**

TE Energy rounds out the insulator offering to include spool, pin and strain insulators.

TE’s porcelain insulators were sold in the past with brand names of Morlynn, Dulmison and Zibo, and have 95 years of service experience in electric power supply and rail applications. Manufactured from high-quality non-porous electrical porcelain, they provide long life and cost-effective solutions for a majority of applications.

Contact your TE Energy sales representative for more information and for other applications not found in this brochure.

**PORCELAIN PIN TYPE INSULATORS**

Description	Pin Type	Leakage Distance (in)	Critical Impulse Flashover Pos./Neg. (kV)	Low Frequency Flashover Wet/Dry (kV)	Cantilever Strength (lbs)	Dry Arc Distance	Puncture Voltage	Max. RIV	Diameter (in)	Height (in)
PI-55-1-PSG	55-1	4	50/70	20/35	3000	2.25	50	50	3.25	3.50
PI-55-2-PSG	55-2	5	70/85	25/45	2500	3.38	70	50	3.75	3.25
PI-55-3-PSG	55-3	7	90/110	30/55	2500	4.49	90	50	4.75	3.75
PI-55-4-PSG	55-4	9	105/130	35/65	3000	5.00	95	50	5.50	4.38
PI-55-5-PSG	55-5	12	130/150	45/80	3000	6.26	115	100	7.00	4.88
PI-55-6-PSG	55-6	12	150/170	50/100	3000	8.00	135	100	8.38	5.50

Above descriptions designate gray and semicon glaze. For other designs and custom-made products, please contact your TE Energy sales representative.

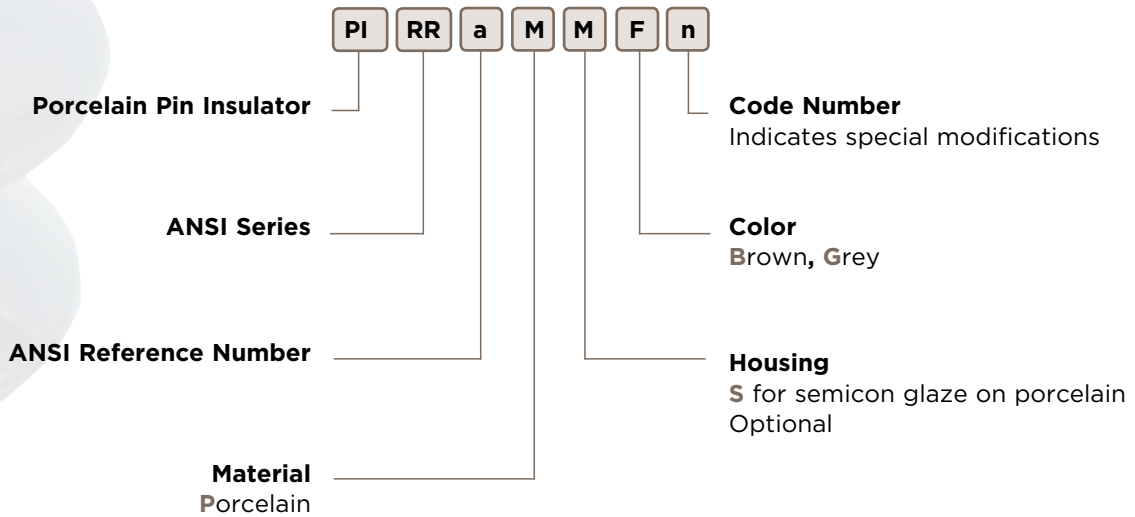


**PORCELAIN PIN TYPE INSULATOR, F NECK**

**PORCELAIN PIN TYPE INSULATORS**

Description	Pin Type	Leakage Distance (in)	Critical Impulse Flashover Pos./Neg. (kV)	Low Frequency Flashover Wet/Dry (kV)	Cantilever Strength (lbs)	Dry Arc Distance	Puncture Voltage	Max. RIV	Diameter (in)	Height (in)
PI-56-1-PSG	56-1	13	150/190	60/95	2500	7.0	130	100	7.50	5.75
PI-56-2-PSG	56-2	17	175/225	70/110	3000	8.3	145	100	9.00	6.50
PI-56-3-PSG	56-3	21	200/265	80/125	3000	9.5	165	200	10.5	7.50
PI-56-4-PSG	56-4	27	225/310	95/140	3000	11.3	185	200	12.0	9.50

“S” designates semicon glaze applied to upper side of the insulator.  
 Above descriptions designate gray and semicon glaze.  
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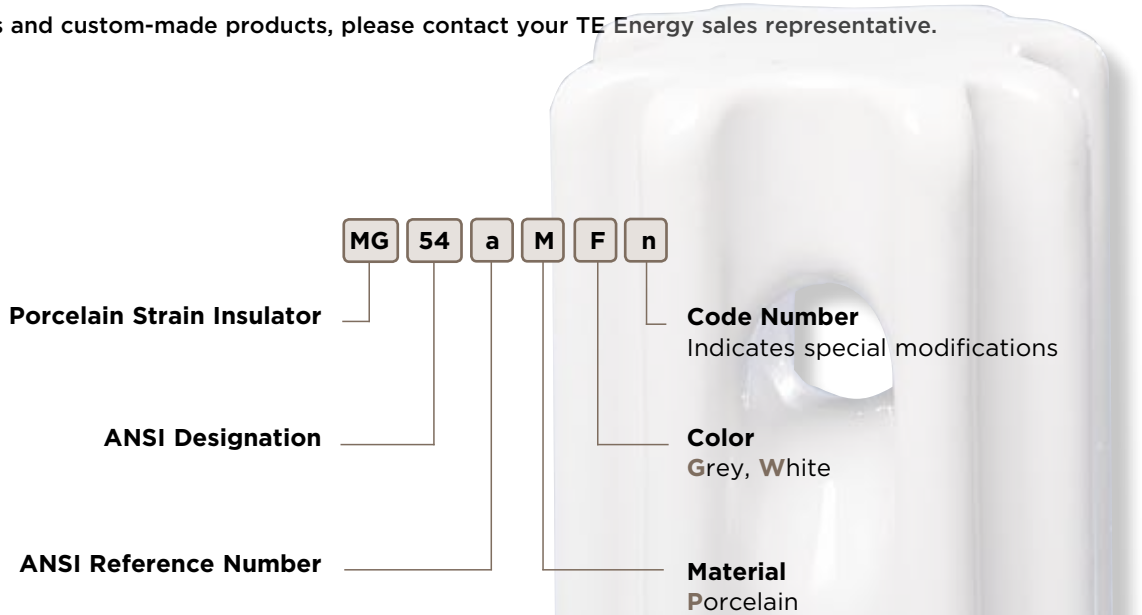
**PORCELAIN PIN TYPE INSULATOR, J NECK**



**PORCELAIN STRAIN**

Description	Low Frequency Flashover Dry (kV)	Low Frequency Flashover Wet (kV)	Leakage Distance (in)	Mechanical Failure Load (lbs)	Height (in)	Diameter (in)
MG-54-1-PG	25	12	41	10000	3.50	2.52
MG-54-2-PG	30	15	48	13000	4.25	2.87
MG-54-3-PG	35	18	57	20000	5.50	3.39
MG-54-4-PG	40	23	76	20000	6.75	3.50

For other designs and custom-made products, please contact your TE Energy sales representative.

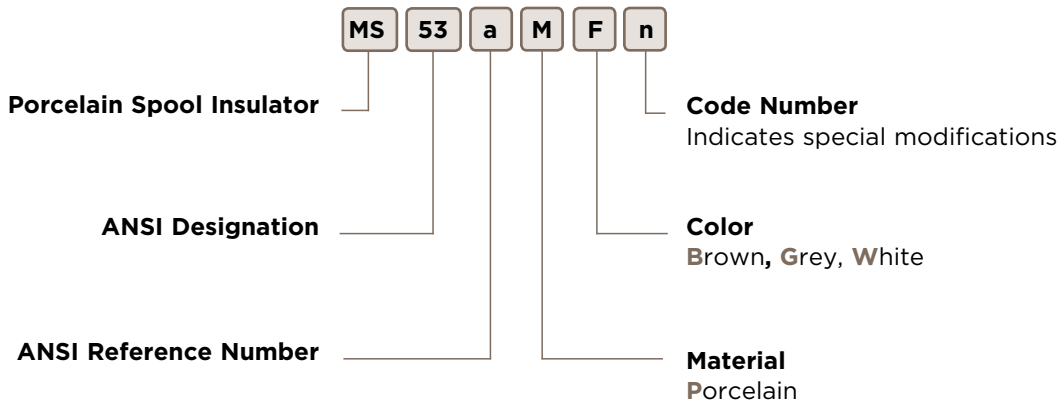


**PORCELAIN STRAIN**

**PORCELAIN SPOOL**

Description	Low Frequency Flashover	Low Frequency Flashover Vertical\Horizontal	Height (in)	Transverse Strength (lbs)
	Dry (kV)	Wet (kV)		
MS-53-1-PG	20	8/10	2.13	2000
MS-53-2-PG	25	12/15	3.00	3000
MS-53-3-PG	25	12/15	3.19	4000
MS-53-4-PG	25	12/15	3.00	4500
MS-53-5-PG	35	18/25	4.13	6000

For other designs and custom-made products, please contact your TE Energy sales representative.



**PORCELAIN SPOOL**



FOR MORE INFORMATION

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