

Porcelain Railway Insulators

- Wet Process Porcelain
- Extrusion Technology
- Wet Turning Process
- C130 High Strength Alumina Porcelain
- High Creepage Options
- Wide Variety of Combined Load Options
- **Voltage Class:** 11 – 52 kV
- **Product Standards:** IEC 60433, IEC 60383, IEC 60672, EN 50119
- **Experience:** > 80 years



Main advantages

- Most Reliable Insulator Product (proven bei CIGRE Study/Survey WG 22.03)
- Extreme Weather and Environmental Resistant
- Type A (non puncturable) according to IEC 60383
- High Mechanical Strength
- Life-Expectancy >40 years
- Standardised Designs (DB E.B.S. System)
- Full Capability of Mechanical Combined Load Options
- Silicone Coatings available for Applications under Extreme Pollution

References

See also our complete Reference List for Porcelain Railway Isolators

- 15 kV German Railway
- 25 kV Dutch Railway
- 15 kV Indian Railway
- 15 kV NORGES, Norwegian Railway
- 25 kV RSD, Russian Railway
- 25 kV SBB, Swiss Railway
- 15 kV ÖBB, Austrian Railway
- Balfour Beatty Rail (Germany)
- Fahrleitungsbau GmbH (Germany)

Designs

Shank \varnothing		EMF** Class (max.)	Pollution Class*	h1, Max**
[mm]	[inch]	[kN]	[mm / kV]	[mm]
45	1.78	60	12 – 80	600
60	2.36	100	12 – 80	1500
75	2.95	160	12 – 80	1700

* in accordance with IEC 60815, higher SCD possible in individual cases

*** max connection length

** EMF: Electro Mechanical Failing load, routine test load of 80% EMF

End Fittings

- All IEC 60273 types
- All ANSI C29.9 types
- Caps and Flanges (customer designs)
- Special customer and tailormade fittings, e.g. for railway applications



LAPP Insulators GmbH
 Bahnhofstraße 5
 D-95632 Wunsiedel / Germany
 Phone: +49 (0) 92 32 - 50 19 2
 sales@lappinsulators.com

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 lappinsulators.com

