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# Outdoor Termination ESP245-C103, 245 kV, porcelain, oil-insulated

The self-supporting, oil-insulated ESP termination with alternating sheds made of porcelain is available for voltages up to 550 kV and with various creepage distance lengths. Porcelain is still valued today, particularly in some regions of the world, as a proven, robust material. The silicone stress cone is identical to that of the ESS.

*Picture may vary.*

**At a glance:**

- For high voltages up to 550 kV
- Available in various creepage distance lengths
- Porcelain insulator with alternating sheds
- High mechanical strength
- Stress control element made of silicone
- Routine tested before delivery
- Optional accessories: Splice box, partial discharge sensor, arcing horn, corona ring

**Contact technology:**

- Standard design: Head fitting with SICON shear-off bolt technology
- On request: Head fitting with compression technology
- Specially for copper enameled wires conductors: Head fitting with FrontCon technology

## Technical Data

| Article no. | | ESP245-C103 |
|---|---|---|
| Max. system voltage | $U_m$ (kV) | 245 |
| Type Termination | | oil insulated, porcelain insulator (ESP) |
| Applicable standards | | IEC 62067 |
| Rated lightning impulse withstand voltage BIL | (kV) | 1050 |
| Conductor cross section | ($mm^2$) | 400 - 2500 |
| Diameter over cable insulation - prepared | (mm) | 71.7 - 118.4 |
| Max. diameter over outer cable sheath | (mm) | 170 |
| Minimum creepage distance | (mm) | 10230 |
| Min. arcing distance | (mm) | 2660 |
| Environment temperature | (°C) | -30 up to +55 °C |

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