

Confirmation of Type Testing - PH4

This is to certify the successful completion of the following type tests for PH4, polymer-housed Station High (SH) arresters. Tests were performed in accordance with IEC Standard 60099-4, Ed. 3.0, 2014-6, "Surge arresters - Part 4: Metal-oxide surge arresters without gaps for a.c. systems."

| Type Test Description | Clause |
|--------------------------------------------------------|---------|
| Insulation withstand | 10.8.2 |
| Residual voltage | 10.8.3 |
| Long term stability under continuous operating voltage | 10.8.4 |
| Repetitive charge transfer rating, Q_{rs} | 10.8.5 |
| Heat dissipation behavior | 10.8.6 |
| Operating duty, W_{th} | 10.8.7 |
| Power frequency voltage-versus-time | 10.8.8 |
| Short circuit | 10.8.10 |
| Bending moment | 10.8.11 |
| Seal leak rate | 10.8.13 |
| RIV | 10.8.14 |
| Weather aging | 10.8.17 |



Robert C. Schmitt
Arresters Business Unit Manager
HUBBELL POWER SYSTEMS