# Earth Loop Impedance Test - Circuit Breaker

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Earthing Configuration | Type of Circuit Location | Device Rating (A) | Device Make | Device Type | Device Sensitivity (mA) | No. of Phases | Trip Curve |
| TNC |  | 63 | ABB | MCB |  | 3 |  |
| TNS |  | 25 | Siemens | MCB |  | 3 |  |
| TNS | Final | 630 | Siemens | ACB |  | 3 | IEC Ultra Inverse |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Device Make | Device Rating (A) | Device Type | No. of Phases | V\_LN | V\_LE | V\_NE | L1-ELI | L2-ELI | L3-ELI | Psc (kA) | Suggested Max ELI (Ω) | Result |
| ABB | 63 | MCB | 3 | 240 | 240 | 0 | 3.6 | 3.64 | 6.63 | 0.07 | 0.00 | Fail |
| Siemens | 25 | MCB | 3 | 238 | 238 | 0 | 0.56 | 0.49 | 0.6 | 0.43 | 0.00 | Fail |
| Siemens | 630 | ACB | 3 | 240 | 240 | 0 | 0.02 | 0.01 | 0.03 | 12.0 | nan | nan |

ELI TEST

