# Earth Loop Impedance Test - Circuit Breaker

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SN | Socket Name | Location | Facility Area | Socket Type | Earthing Configuration | Upstream Breaker Rating (A) | Upstream Breaker Make | Upstream Breaker Type | Trip Curve |
| 1 | Socket-1 | Switchboard-1 | Office Area | Domestic | TN | 16 | ABB | MCB | B |
| 3 | Socket-3 | Switchboard-1 | Office Area | Domestic | TN | 16 | Siemens | MCCB | IEEE Extremely Inverse |
| 2 | Socket-2 | PDU | Workshop | Industrial | TN | 63 | Schneider | RCCB | G |
| 3 | Socket-4 | Switchboard-2 | Office Area | Domestic | TT | 32 | Siemens | MCCB | IEC Very Inverse |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SN | Socket Name | Socket Rating (A) | Socket Type | No. of Phases | V\_LN | V\_LE | V\_NE | L1-ELI | L2-ELI | L3-ELI | Psc (kA) | Suggested Max ELI (Ω) | Result |
| 1 | Socket-1 | 6 | Domestic | 3 | 240 | 241 | 1 | 3.6 | 3.64 | 3.63 | 0.07 | 1.92 | Fail |
| 3 | Socket-3 | 6 | Domestic | 3 | 238 | 239 | 1 | 0.56 | 0.49 | 0.62 | 0.43 | 1.48 | Pass |
| 2 | Socket-2 | 16 | Industrial | 3 | 236 | 236 | 0 | 0.56 | 0.68 | 0.72 | 0.36 | 7866.67 | Pass |
| 3 | Socket-4 | 6 | Domestic | 3 | 238 | 239 | 1 | 0.56 | 0.49 | 0.62 | 0.43 | 0.04 | Fail |

ELI SOCKET TEST

