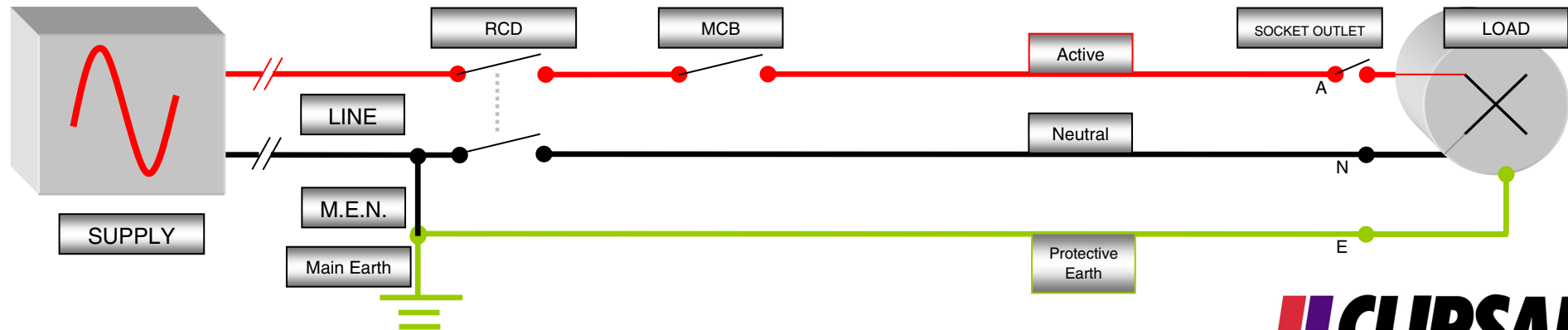


# ELECTRICAL CIRCUIT SIMPLY EXPLAINED













**CLIPSAL**<sup>®</sup>

**SPARK-e-mate**

ELECTRICAL INSTALLATION TESTER

## AS/NZS 3000 Section 8 Verification

### Spark-e-mate tests:

1. **Earth Continuity:** Impedance or Resistance of   $R_e \leq 0.49\Omega$  for Type C 20A circuit. Refer to Table 8.2
2. **Insulation Resistance:** No breakdown between  or   $\geq 1M\Omega$
3. **Polarity:**    are in the correct place as shown above
4. **Circuit Connections:**  does not carry any current  $\leq 15mA$
5. **Fault Loop:** Impedance or Resistance of  +   $R_{phe} \leq 0.98\Omega$  for Type C 20A circuit. Refer to Table 8.1 and 8.2
6. **RCD Trip:** That the  trips and disconnects the supply when it should - within 300ms@ 30mA leakage current