SUPPLY POLARITY, SINGLE PHASE: THREE READINGS

NEUTRAL TO EARTH READS 230 VOLTS. NOW WHAT?

L – N	L – E	N – E
230 V	230 V	0 V

any other combination = incorrect supply polarity · stop

Line is the only conductor at 230 V to anything. Neutral and earth sit at, or very near, the same potential — on TN-C-S they are joined in the supply, so some indicators give a continuity beep rather than a voltage between them.

✋ **Anything else, stop.** No further live tests. You and anyone else on the installation are in danger. Find out where it's reversed — the main switch, the meter, the supplier's equipment — and get it put right by whoever is responsible.

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