



DRN5 : Broken neutral test case

ELECTRIC OPERATING

*Locate and fix a broken neutral
on a low voltage network*



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● DRN5 : Broken neutral test case

Locate and fix a broken neutral on a low voltage network

➤ FUNCTIONS

DRN5 is a load accessory for low-voltage network under voltage, aimed at helping operators in their research, localization and fixing of broken neutral.

DRN5 is in the form of an unbalanced load three-phase suitcase 5 kW, secured electrically and thermally.

It can be used on any access point of the low-voltage network under voltage, after disconnection of subscribers, and it allows to quickly highlight the existence of a broken neutral or not.

DRN5 is also used to check after repairing, right before the reconnection of the subscribers.



➤ USE PRINCIPLE

DRN5 connects easily to any access point of the low-voltage network under voltage via its crocodile grips and charges each phase following unbalanced values. The case does automatically the measure of the 3 voltages, which algebraic sum allows to quickly detect a broken neutral if this value is not null.

- ✓ Delayed load cycle, automatic and secured
- ✓ Thermal protections in case of overheating
- ✓ Electrical protections via differential circuit breaker and fuses
- ✓ Connection to the ground not necessary, class 2
- ✓ Detection light of broken neutral
- ✓ Switch for the selection and visualization of measured voltages
- ✓ Possibility to connect an echometer for the localization of the defect

➤ TECHNICAL CHARACTERISTICS

- ✓ 230/400 VAC
- ✓ 474 x 415 x 214 mm
- ✓ 10 kg
- ✓ IP22 – IK07
- ✓ Consumption : 5 kVA
- ✓ Technology with resistors