

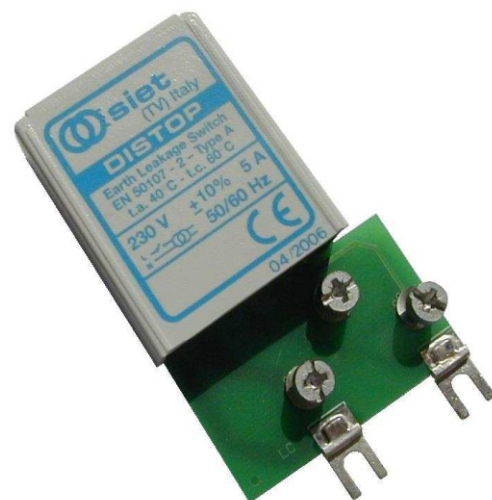
# Technical data

**CODE:**

812100

**PRODUCT:**BROLLO *DISTOP***NOTE:**

TECHNICAL DATA

**IMAGE:****LAST UPDATE:**

8/2024

# BROLLO - DISTOP

## PROTECTION DEVICE

DISTOP monitor the possible presence of an earth leakage in the H.V. circuit. In case of a fault condition, these protection units will disconnect the power supply, as specified in EN 50107-2 in where they are regarded as "Type A devices".

### INSTALLATION INSTRUCTIONS for DISTOP, DISTOP PLUS and INTERDISTOP

- Switch off the power to the transformer before carrying out any service action.
- Open and remove the lid of the transformer.
- Connect the lead wire ('phase') to the terminal marked 'L' and the Neutral to the terminal marked 'N'.
- Remove the metal connecting bridge (P) near the knife switch (tinted black in the picture here below).
- Loosen the two screws marked with (1); slide the forks of the protection unit under them but do not tighten them yet.
- Tighten the screw marked with (2), next the other ones; tighten all screws with a torque of 2 Nm. Never remove any washer as these are necessary components.
- Put back the lid of the transformer and fix its screw.
- For testing, you need to simulate an earth leakage with a HV cable between earth and one live HV terminal or electrode connected to it (connect that testing cable to earth firstly, before you make it touch the live HV terminal!), according to the procedure specified in EN 50107 – Part 1.
- If a dimmer or flasher controls the transformer, you have to use 'Distop Modular' (regarded as a 'Type B' protective unit).
- Do not use shielded HV cables (these are the types A,D,E,F according to EN50143).

### TROUBLESHOOTING AND TEST

- After a protection unit has tripped, make sure to repair the sign before attempting to switching it on again. To uninstall the device for maintenance purposes (EN 50107-2 par 20.3.5) follow installation instructions in reversed order.
- When a protection unit is installed, a test should be carried out. Failing to do so will be considered as a violation of the Standard EN 50107 clause 18.3. To carry out the test, simulate a fault condition with the sign powered on; after the device switched off the power to the transformer, switch off the sign. Next, remove the fault condition and switch on the sign again. If the sign is on, the test was successful.

**Warning:** Handle the device with utmost care, without damaging the components. Store in a dry place, away from magnetic or electric fields that may damage its device components. Operation of the protection module is guaranteed only if the transformer and the metal frame of the sign are connected to the earthing system and if the resistance of the earthing is in compliance to current standards. Failure in observing these directives voids the warranty and may cause irreparable damages to the protection modules and to the transformers, of which the manufacturer is not responsible. The manufacturer guarantees proper operation of the protection module only when it is installed on METALBOX transformers, manufactured by Brollo Siet.

