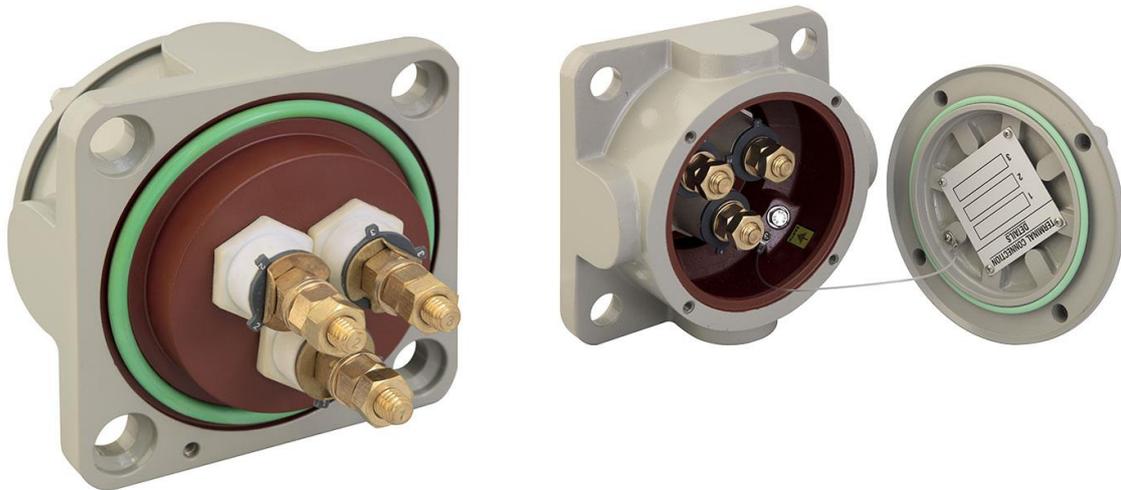


INSTALLATION, OPERATION AND MAINTENANCE GUIDE

CORE GROUNDING CGT / CFT SM2-S SERIES



GENERAL OVERVIEW

The CEDASPE CGT/CFT SM2-S series has been designed to offer an easy, fast and reliable solution for core and frame grounding.

This core grounding terminal box has a compact, flanged body made of aluminum alloy, which allows for easy attachment to the transformer walls (plug-in solution) by means of welded studs or screws.

STORAGE AND SHELF LIFE

Max storage period before putting the instrument into service is 3 years (temperature -20 +40 °C – air humidity 50-75%) as long as the instrument is kept in its envelope and in a clean place.

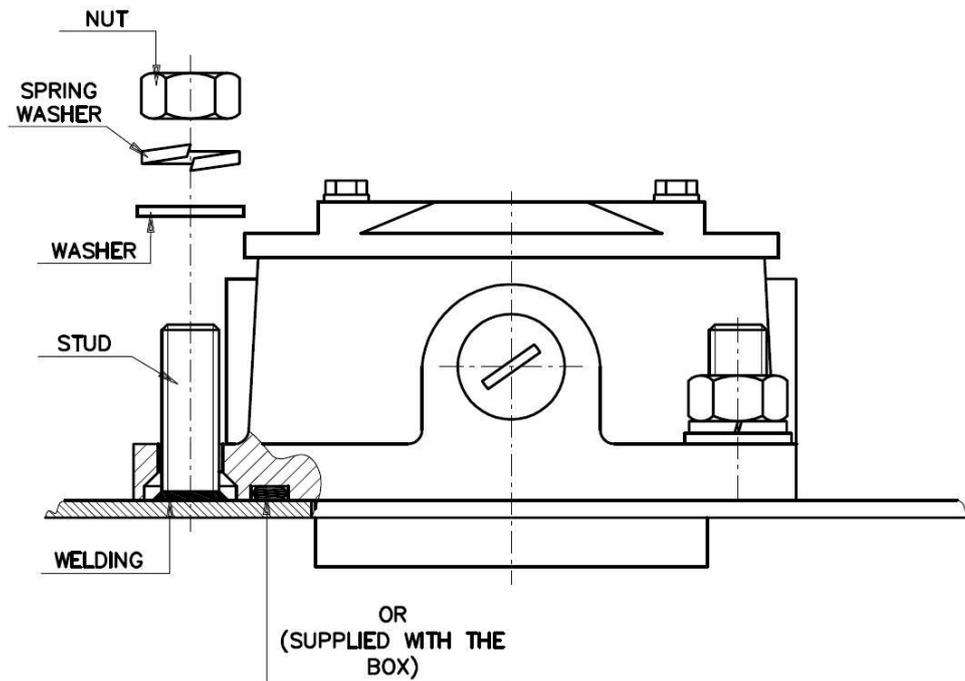
Before use check visually that no damages happened to any parts. Boxes that have been stored long term should have the gaskets inspected; this can be a visual inspection on the edge of the gasket for cracking. No special long term storage packaging is required.

UNPACKING

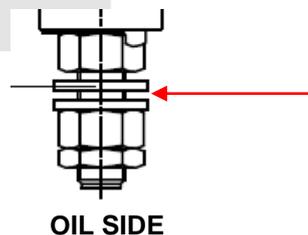
Make a correct disposal of packaging according local regulations.

INSTALLATION

- 1) Cut a bore on tank $\varnothing 112$ mm.
- 2) Weld on tank cover 4 fixing studs M16 h=40 on a PDC 180 mm.
- 3) Fit o-ring gasket in its seat.
- 4) Fit box inside tank cover bore making sure that o-ring gasket has been previously assembled.
- 5) Fasten terminal box with hexagonal nuts M16 and washers by means of a common spanner (see figure below).



- 6) Make the connection inside transformer tank referring to the plate inside the box; wires lug have to be fitted in between the two washers and locked by two off locking nut –see figure below.



- 7) For models CGT equipped with 1 or 2 terminals: open box's cover by means of a spanner no.10 (4 bolts) and connect the terminals to the ground screw M12 (using our copper flexible connection kit, if supplied), and ground the box.
- 7.1) For model CFT open box's cover and connect the terminals (using our connection plate, if supplied), and ground the box.

NOTE:

If required (i.e.: when terminal boxes are 2 or more on the same tank) mark the number of box on the external label; if the numbering of wiring is different from the numbering of terminals it is possible to write conversion numbers on the plate inside the box.

MAINTENANCE

If utilized appropriately no maintenance is required for these products. It is suggested only, on a regular basis, to schedule inspections to verify the overall conditions of assembly.

DISPOSAL

Disposal of all parts shall be made according to local environmental and waste management rules.



-Drawings in the following pages-