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3-PHASE ASSEMBLY FOR VOLTAGE TAPPING ON LOW VOLTAGE CABLES

Itron reference: A206706

Description and Installation Guide

THREE-PHASE ASSEMBLY FOR VOLTAGE TAPPING ON LOW VOLTAGE CABLES

Fuses 10.3x38mm - I_{max} = 10A

Compatible with power conductors: 50-240 sqmm stranded - copper or aluminum
0.6/1 kV - insulated with cross-linked polyethylene

Contents: This kit is composed of three clamps for the phase cables, one clamp for the neutral cable and a 4x2.5sqmm - copper - 3m long - tap cable.

INSTALLATION INSTRUCTIONS

This kit is mainly intended for LV electrical equipments installed in distribution MV/LV transformer stations. The clamps are single-use.

Installation temperature range: from -5°C to +40°C

This product must be installed only by suitably-qualified personnel. Observe the following safety advice when performing installation or service work.

CONNECTION

LIVE WORKING: Working under voltage is under the responsibility of the contractor. Adhere strictly to all relevant national regulations for the avoidance of electrical accidents. Live clamping shall be performed while the tap wire is off-load and the fuse is not placed into the fuse-holder.

For each clamp:

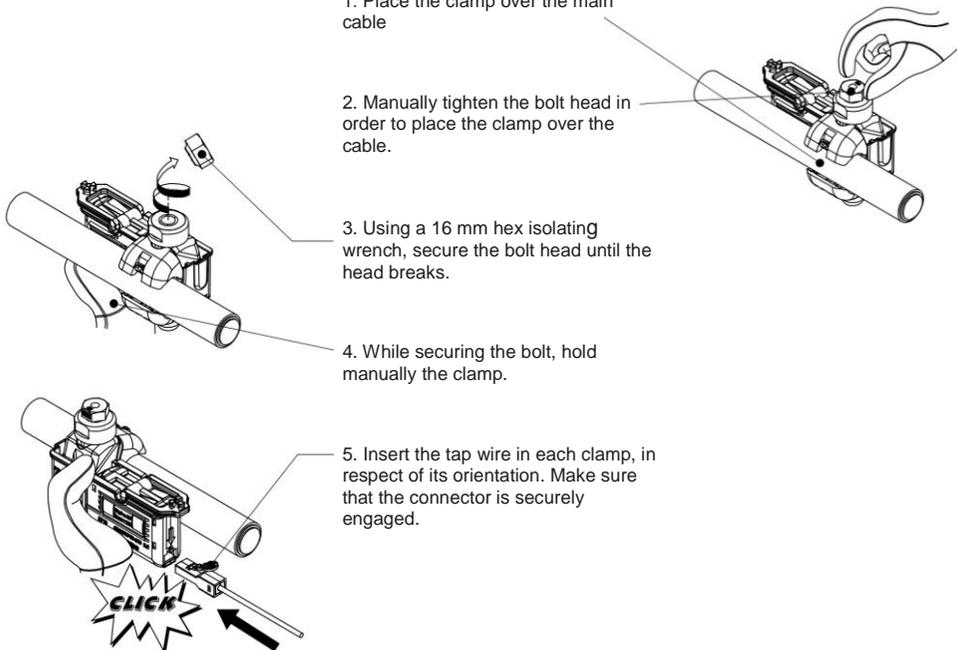
1. Place the clamp over the main cable

2. Manually tighten the bolt head in order to place the clamp over the cable.

3. Using a 16 mm hex isolating wrench, secure the bolt head until the head breaks.

4. While securing the bolt, hold manually the clamp.

5. Insert the tap wire in each clamp, in respect of its orientation. Make sure that the connector is securely engaged.

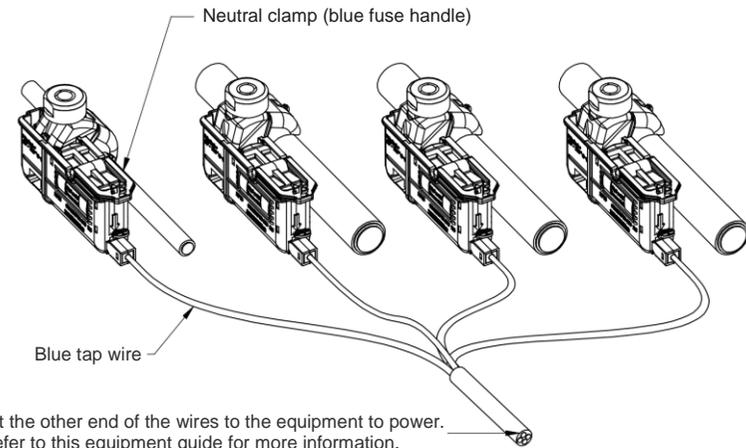


NOTE: For 240sqmm sector-shaped cables, preferred clamping orientation is as shown:



Overview of the assembly:

A206706



WARNING: The flattened sides below the bolt head are only intended for further dismantling of the clamp. **Never** use it to tighten the bolt more, once its head is chopped.

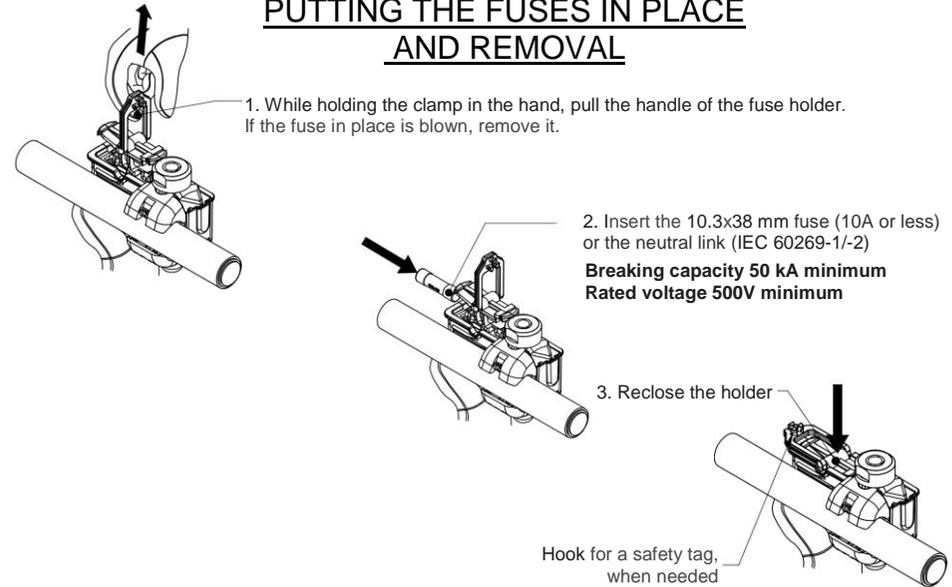
PUTTING THE FUSES IN PLACE AND REMOVAL

1. While holding the clamp in the hand, pull the handle of the fuse holder. If the fuse in place is blown, remove it.

2. Insert the 10.3x38 mm fuse (10A or less) or the neutral link (IEC 60269-1/-2)
Breaking capacity 50 kA minimum
Rated voltage 500V minimum

3. Reclose the holder

Hook for a safety tag, when needed



NOTE: - If the fuse has been removed for padlocking, attach the safety tag on the hook.
- The fuse can be inserted under voltage provided that the current is less than 10A.



At the end of their service life, clamps, fuses and wires should be uninstalled and then passed to a licensed/certified contractor for disposal in accordance with these regulations and with all applicable local regulations.

Dismantling: Unscrew the clamp bolts by means a 24 mm thin wrench.
Re-insulate the cable by means of an appropriate self-amalgamating tape.