

OPERATING INSTRUCTIONS FOR CT60.XXX TELESCOPIC HOT STICKS

Telescopic hot sticks should only be used by a competent person who is sufficiently trained in operational practices and has adequate knowledge of safety and operational practices regarding electrical equipment. If local legislation requires specific training or adequate knowledge for the use of electrical equipment, these requirements must be met by the mentioned person. Ensto assumes no responsibility for claims arising from improper use or non-compliance with national safety regulations or other national regulations.

WARNING: Failure to follow instructions may result in product damage and serious or fatal injuries.

Preparation before live-line work:

Each hot stick has been tested at the factory according to OSHA and ASTM specifications (100 kV / 30 cm / 5 minutes) before being sent to the customer. Dirt, moisture, scratches, and contamination reduce the dielectric strength of the hot stick, so the following actions must be taken before each use:

- Ensure the hot stick is clean, dry, and in good condition.
- Check that the hot stick and its mechanism function properly.
- Check and follow safety regulations and work instructions.
- Use the specified and approved safety equipment.



Locking button



Triangular shape
of the rod

It is also recommended to wipe the surface of the hot stick with a silicone-treated wiping cloth (Ensto CT51) before each use. The silicone layer helps the telescoping hot stick function better mechanically and repels moisture and dirt from the surface, which can reduce the dielectric strength of the hot stick.

Operation:

Telescopic hot sticks should always be used by holding the stick at the bottom section. The stick must always consist of at least two sections that are fully extended and fully locked (if used for live-line work). When preparing for live-line work, e.g., extending the sections of the stick, it is recommended to hold the stick in an upright position. Start by fully extending the last section of the stick until the locking button appears and locks this section. Continue in the same manner until the stick is at the desired length and the extended sections are locked. The maximum weight of the tool attached to the top of the stick is 2.5 kg for sticks up to 3.8 meters long and 0.75 kg for longer sticks.

Transport:

After use, the stick should be disassembled by pressing the locking button and gently and carefully sliding the sections back. Rough assembly can damage the stick. Keep the stick dry and clean. If the stick is used in wet conditions, remember to dry it or wipe it dry before assembling it for transport.

Storage:

The stick should be stored in a dry and warm place, protected from dirt and scratches. Avoid placing the stick on the ground to prevent it from getting scratched or dirty. Always clean and dry the stick after each use.

Maintenance:

The stick must be kept clean and dry to ensure user safety and a long service life. Telescopic hot sticks are specially designed to facilitate maximum ease of disassembly, inspection, cleaning, and reassembly.

Sticks should be regularly inspected and, if necessary, tested for their insulation level. Only the special approved cleaning agent (Ensto CT52) should be used for cleaning the sticks. Other cleaning agents may weaken the dielectric strength of the stick.

After thorough cleaning, a layer of high-quality wax (Ensto CT49) intended specifically for live-line work sticks should be applied to the surface of the stick. The wax improves the mechanical and dielectric properties of the stick, repels dirt and moisture, and protects the surface of the stick from minor scratches. The wax also facilitates routine cleaning of the stick.

If the surface of the stick is significantly scratched so that moisture can form a conductive path, the surface of the stick should be specially treated according to the manufacturer's instructions. If the stick is damaged beyond repair, it should be destroyed and disposed of in a way that it cannot be used for live-line work.