

# Shorting Blocks

For energy meters connections



10E 6I-4T-EPI shorting block is an indispensable tool for connecting meters or measuring instruments on three-phase lines downstream from voltage and current transformers. It is equipped with 10 clamps that are fully segmented longitudinally (between input and output) with sliding bridges contained in the block and able to integrate a visual signal in case of open circuit. In addition, three further sliding bridges are available to release the "cross connection" (between a terminal block and the next one) in order to make a local short-circuit for the current circuits. The terminal board is designed to meet the requirements of the new version of Standard EN 60947-7-x.

Use the shorting block to:

- Measure instrument sections
- Insert a sample unit, before or after the measurement instrument.
- Derivate using common outlets for all connection clamps
- Voltage from current input to the crimper through a jumper transfer.

During normal operations, voltage and current inputs are inserted on the lower part, below clamps 1-2-3-N and clamps R-RR, S-SS, T-TT.

The instruments are connected to the upper part of the shorting block. The vertical sliding bridges are closed while the ones with a horizontal slide are open.

Insert control units as follows:

volt meters through normal 4mm pins on terminals 1-2-3 and N

- connect the measuring device's amperometric (R) to the two R sockets (the same goes for the other phases).
- si sezionano i corrispondenti morsetti scorrevoli verticali.

|                              |                                     |
|------------------------------|-------------------------------------|
| Nominal insulating voltage   | 800 V                               |
| Impulse withstanding         | 8 kV CAT IV                         |
| Maximum longitudinal current | 76 A                                |
| Maximum transversal current  | from 14A (@ 60 °C) to 32A (@ 30 °C) |
| Maximum cable section        | 1 x 16mm ≤ or 2 x 6mm ≤             |
| Space between terminals      | 10.5 mm                             |
| Socket section               | 4 mm                                |
| Dimensions (mm)              | 128 x 67 x 61.5                     |
| Protection rating            | IP20                                |

According to EN 60947-7