

**USE AND MAINTENANCE MANUAL 1100703800**  
**EARTHING AND SHORT CIRCUIT DEVICE OF LV CABLES IN CORRESPONDENCE OF**  
**PLANNED FIXED POINTS**

**COMPOSITION**

N ° 3 Extra-flexible copper cords section 16 mm<sup>2</sup> length 0,6 m, 0,75 m and 2 m (the short connections between the jack plugs and the long connection between the jack plug and the earthing clamp);  
N ° 5 Expanding jack plug;  
N ° 1 Short-circuiting terminal between the strings;  
N ° 1 Earthing clamp;  
N ° 1 Case for the containment of the device;  
N ° 1 Use and maintenance manual

**UTILIZATION**

To be used for earthing and short-circuiting of LV cables in correspondence of planned fixed points in compliance with the ENEL EA0138 table (with blind hole that does not allow the expansion of the jack plugs over 9 mm in diameter).  
Current assigned 8 kA. Time allocated 0.2 s. Peak factor 2.  
Device in accordance to CEI EN 61230: 2012 and CEI EN 61138: 2009 standards.  
Environmental temperature of use: between -25 ° C and +55 ° C.

**MARCATURES PRESENT ON THE COMPONENTS**

**xxxx:** year of construction

**SPIDER:** name of the model of the complete device

**8kA - 0.2s - 2:** assigned current - assigned time - peak factor

**CEI EN 61230:** reference legislation

**CE:** CE conformity marking

**16 mm<sup>2</sup>:** earthing and short-circuit connection section

**H00S-D:** code of the materials of the connecting cables with copper conductor and silicone insulator

**CHECK BEFORE USING**

Before using, you have to inspect the device visually.  
Checking for visible damage to the terminal, plugs, connections, cable insulation or bare conductor exposure.  
Examining the surface contact of the clamp and plugs.  
Discarding the device in case of doubts about safety.  
Cleaning the connection point contact by brushing off any remaining deposits.

**USE OF THE DEVICE**

- A.** Make the connection to the local earth using the ground terminal and connect the jack plug to the central short-circuit terminal of the device (only if earthing is also required);
- B.** Fix a small jack plug of the mobile device firmly to the fixed point of the neutral conductor, taking care to keep the conductors and the remaining plugs away from the body;
- C.** Repeat the operation for the remaining fixed points of the phase conductors;
- D.** If earthing is not necessary, do not carry out point A, starting directly from point B;
- E.** For recovery proceed in reverse order.

### **DEVICE MAINTENANCE**

After using the device, clean the device with a dry cloth and store it in its case.  
The device must be preserved and stored in good condition, in a dry and clean place.

### **CAUTION**

**EACH TIME THERE IS A SHORT-CIRCUITING EVENT**  
**THE DEVICES MUST BE REMOVED AND REPLACED BY A NEW ONE**