

## Grounding plates

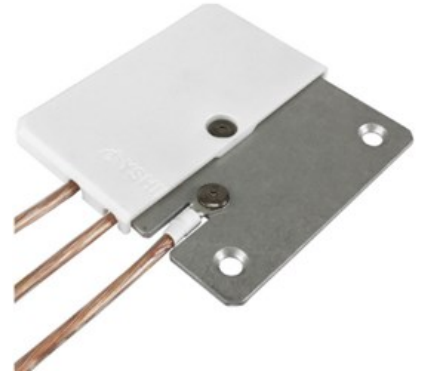
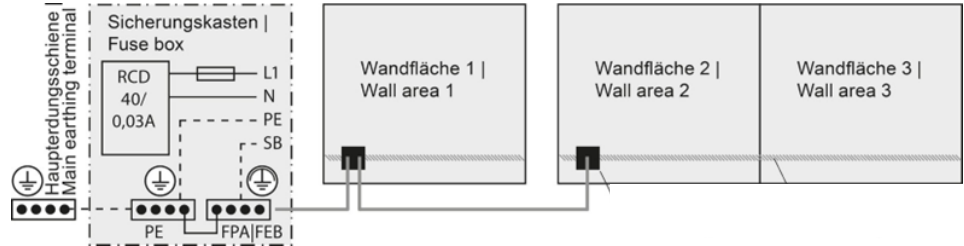
**Standard-sized surface/flash mounting housing 80x80 mm**, for the installation directly on shielding products or for clamping the grounding straps. With three clamping points for grounding straps for all surfaces with shielding mesh, shielding plaster, reinforcement fabric. Usage on the interior as well as the exterior (additional seal necessary). One piece is needed per surface. Flush mounted with a height of 11 mm is thinner than a drywall construction board.

**Connectivity:** 3 clamping points. 2 cable connections.

**Material:** Aluminum plate 75x75x2 mm, plastic cover 80x80x11 mm, 20 cm grounding strap, all necessary screws, discs, dowels, cable lugs and a screwing tool with Torx®-Bits. Cable is not included in the scope of delivery.

### Read Carefully:

- **The installation and connection of our grounding elements should exclusively be performed by a licensed electrical professional, following the stipulations of all applicable regional statutes and guidelines, including DIN VDE 0100-540, DIN EN 50110-1, DIN VDE 0618-1:1989-08.**
- **Failure to adhere to these directives may lead to instances of electrical discharge and substantial harm that could lead to fatality or fire.**
- **Grounding or earthing is exclusively permissible within TN-S, TT, and IT network configurations. Grounding should never be implemented in network configurations involving combined PEN conductors.**
- **An residual-current circuit breaker (FI / RCD) with a rated residual current of up to 30 mA should be installed**

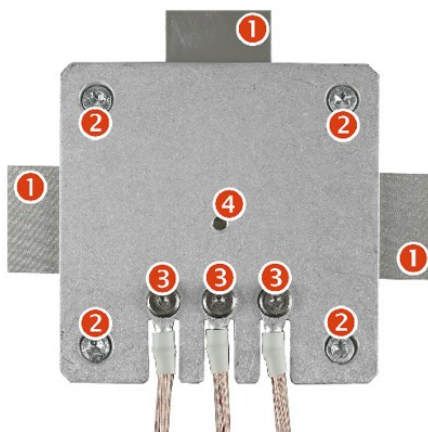


### Installation

In accordance with the most recent regulations, a distinction is made between **protective equipotential bonding** and **functional equipotential bonding (FEB)**. The protective equipotential bonding (designated by a green/yellow cable) serves the purpose of protection. Its role is to swiftly trigger protective devices (such as fault-current circuit breakers) in order to prevent hazardous contact voltage. On the other hand, the functional equipotential bonding (indicated by a transparent cable) fulfills a different role in the context of extensive shielding. It aims to minimize the emission of low-frequency electrical fields, essentially preventing the displacement of these fields.

When applying shielding materials for extensive area protection, it's important to note that these shieldings are considered "**new conductive parts**" as per IEV 826-03-03 or IEV 195-06-11, representing a novel approach within the framework of DIN VDE 0100-100:2009-06.

Integrating the material(s) into the potential equalization makes them an integral component of the electrical system. Adherence to universally acknowledged technological standards is imperative in this context.



- 1) Apply the shielding paint to the designed walls. Depending on the specific usage, attach the grounding strap either underneath or on top of the material.
- 2) Place the plate upon the conductive tape, start with pre-drilling the 6mm holes. Insert the 4 dowels and secure them in place using universal 3.5x40 screws. Fix the plate taking care to apply a small amount of shielding paint between the plate and the conductive tape and the wall in order to obtain maximum adherence and electrical transmissibility.
- 3) Affix the cable (lug) by fastening it with M4x3.2 screws and tension discs.
- 4) Securely attach the cover using M4x3.2 screws. If a connection height of only 4 mm is required, the use of a cover beneath a baseboard can be omitted.

**Content:** 1 piece - **Weight:** 110 g - **Packaging:** 150x120x30 mm - **TARIFF:** 7616999

*LET'S LOVE OURSELVES, BE PROTECTED*

For more information: [info@italshield.com](mailto:info@italshield.com) – tel.+39/328/2147399 (+W.app-Telegram)