

MOUNTING BOX

# AU60.10FR Mounting box for fire-rated partition walls

## Installation instructions



AU60.10HF is a fire-retardant mounting box approved for installation in EI60 and EI30 fire-rated walls (in accordance with testing report Eurofins Expert Services: LETTER NO. EUFI29-20005219-T2). The box includes a rotating and steplessly adjustable installation ring.

01 AU60.10FR mounting box

The mounting box has two fixed inlets: one with a removable cap, the other open-ended (both include a reducer  $\text{\O} 20/16 \text{ mm}$ ). In addition, the box has four knock-out inlets on the sides and two at the bottom. The screw distance is c/c 60 mm. The box is manufactured from halogen-free material (IEC/61249-2-21) and fulfills the requirements of glow wire testing according to the IEC/EN60670 standard: 2005 (850 °C).

The box is installed in the wall using a box support (or a truss fixture). A  $\text{\O} 73\text{-}74\text{-mm}$  hole for the installation is drilled with a hole saw. The box must be installed in the center of the hole; the drilled hole must not be worked after installation. Insulation material must also be installed behind the box (the insulation must be adjusted to be thinner behind the box and the box support).

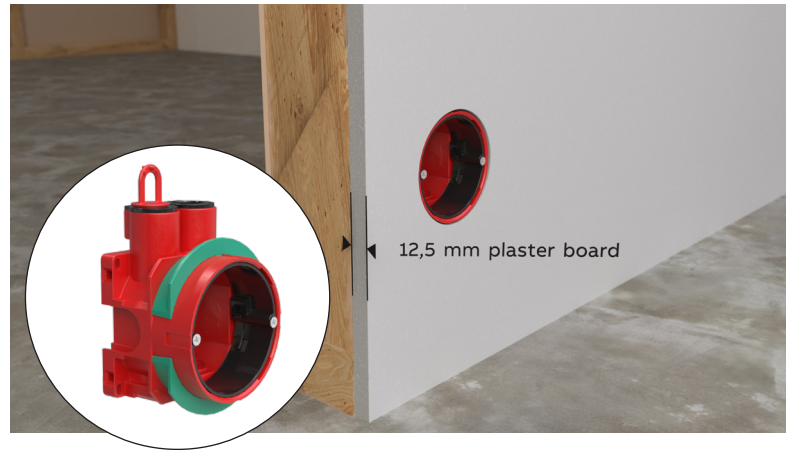
The green extension ring, delivered with the box, is used with single-layer plasterboard walls. If the wall has a double layer of plasterboard, the ring is removed. If the wall structure has three layers of plasterboard, or two layers of plasterboard with additional layers on top (ex. ceramic tiles) integrated installation ring with an adjustable height is used. The installation ring can be tilted 0–4°.

All approved boarding options can be found in the document **“Statement no EUFI29-20005219-T3: Statement on ABB AU60.10FR electrical boxes installed into non-loadbearing wall structures”**.

# Installation



01 Installation with a truss fixture



02 Installation in EI30 walls: The EI30 structure is typically achieved with a single layer of plasterboard. The green extension ring is therefore needed in the installation. The thickness of the board typically ranges between 12.5 and 15 mm. An optimal height for the top surface of the box is achieved by using the adjustable installation ring. This allows the device to be installed parallel with the wall's outer surface.



03 Installation in EI60 walls: The EI60 structure is achieved with a double layer of plasterboard (when using special plasterboard, the structure can also be achieved with a single layer). With a double layer of plasterboard, the green extension ring is removed from the box.



04 An optimal height for the top surface of the box is achieved by using the adjustable installation ring. This allows the device to be installed parallel with the wall's outer surface.



05 In the event of a fire, the fire cushion at the bottom of the box expands, filling the entire box and sealing the hole in the wall. This prevents the fire from spreading to the wall structures.

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