

08/2021

Fire-retardant mounting and junction boxes

For EI30 and EI60 fire-rated ceilings and walls



01 AU60.10FR
Mounting box



02 AU70FR
Junction box

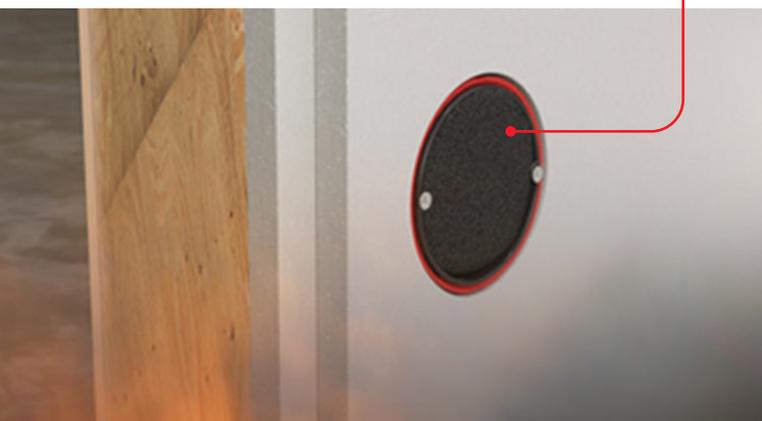
Boxes AU60.10FR and AU70FR contain a fire cushion, made of expanding material, that prevents fire from spreading to ceiling and wall structures.

Mounting box AU60.10FR and junction box AU70FR can be installed in EI30 and EI60-fire-rated ceilings and partition walls (fire-rated plasterboard ceiling/wall according to the plasterboard manufacturer's or structural engineer's instructions).

Properties

- Include expanding fire cushion to prevent fire from spreading to ceiling and roof structures.
- Can be used with boards of different thicknesses and board combinations without accessories due to adapter rings.
- Green adapter rings and box covers are made of post-consumer recycled plastic and reducers are made of post-industrial recycled plastic.
- Made of halogen free material (IEC/61249-2-21).

The fire cushion expands when the temperature rises as a result of fire. The expansion of the material in the event of fire seals the box, so the ceiling or wall structure retains its specified fire rating.



Order information

Type	Product ID	EAN	Description	Package
AU60.10FR	2TKA00004281	6438199008172	Mounting box for EI60 and EI30 fire rated walls	50
AU70FR	2TKA00003942	6438199005911	Fire-rated ceiling junction box for EI30 and EI60-rated ceilings	20

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Versatility with adapter rings

For EI30 and EI60 fire-rated ceilings and walls

AU60.10FR Mounting box for EI60 and EI30 fire rated walls

AU60.10FR is suitable for 1 - 2 - 3 layers of gypsum boards, and all other wall structures with wall thickness 12,5 – 40 mm without accessories. The green adapter ring, delivered with the box, is used in single-board walls (12-13 mm). The ring is removed when the wall thickness is two boards (24-26 mm).

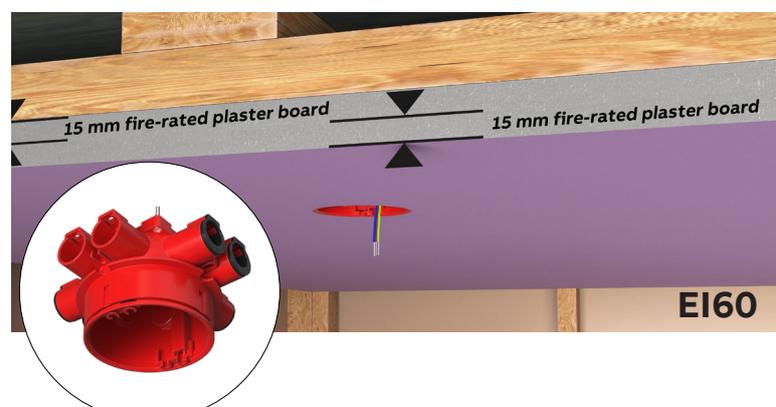
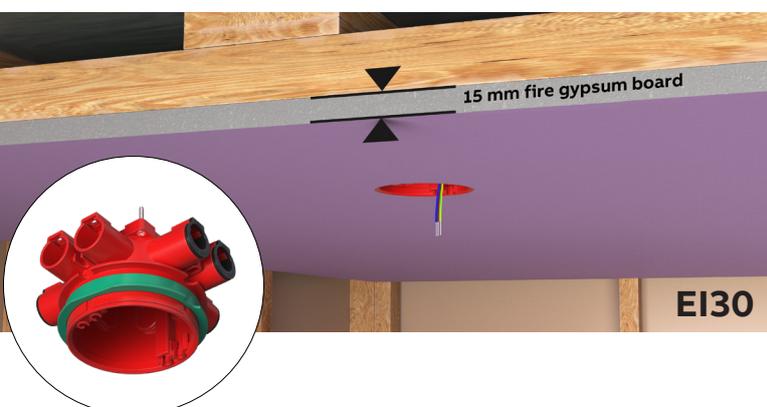
AU60.10FR mounting box includes a rotating, steplessly adjustable installation ring enabling installation on boards with a thickness of 12,5-40 mm. In case of triple boards, installation ring is lifted to needed height. The ring can be tilted 0-4°. Can be mounted with truss fixture or box support. Screw distance is c/c 60mm.



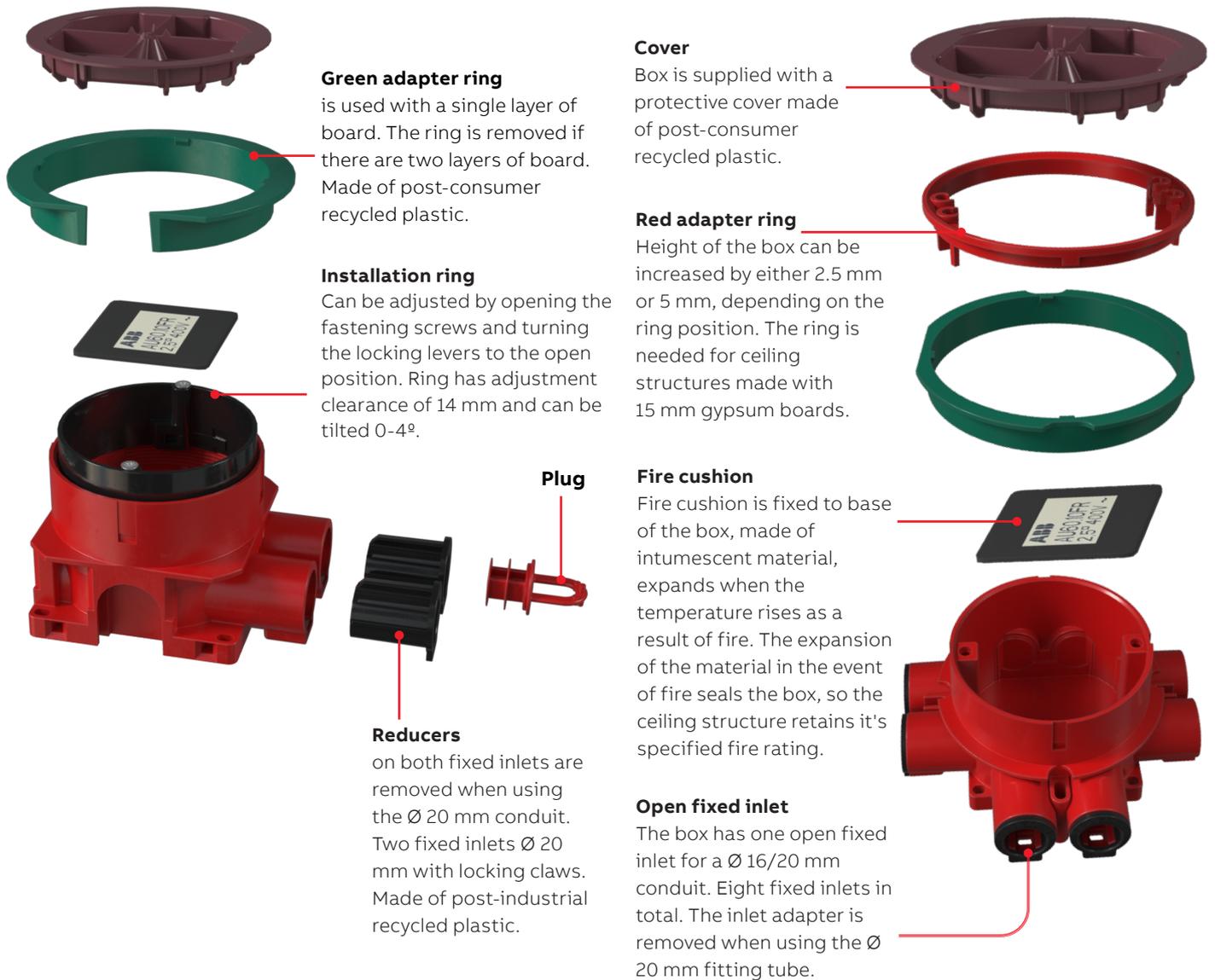
AU70FR Junction box for EI30 and EI60-rated ceilings

AU70FR can be installed in both load-bearing and non-load-bearing roof structures, and can be used with both intermediate floors and roofs. The box has two screw towers with c/c 70 mm (for M4 screws), which fits all standard ceiling covers and lamp outlets (also DCL standard). The green adapter ring supplied with the box is used with single plaster board ceiling (12.5 mm).

Green ring is removed with double plaster board (2 x 12.5 mm). If the plaster boards are 15 mm thick, a red adapter ring is also used; in one position the lift is 2.5 mm (1 x 15 mm plate) and in another position 5 mm (2 x 15 mm plate). The box comes with a lid AU67.70.



AU60.10FR and AU70FR features



Green adapter ring
is used with a single layer of board. The ring is removed if there are two layers of board. Made of post-consumer recycled plastic.

Installation ring
Can be adjusted by opening the fastening screws and turning the locking levers to the open position. Ring has adjustment clearance of 14 mm and can be tilted 0-4°.

Plug
Reducers
on both fixed inlets are removed when using the Ø 20 mm conduit. Two fixed inlets Ø 20 mm with locking claws. Made of post-industrial recycled plastic.

Cover
Box is supplied with a protective cover made of post-consumer recycled plastic.

Red adapter ring
Height of the box can be increased by either 2.5 mm or 5 mm, depending on the ring position. The ring is needed for ceiling structures made with 15 mm gypsum boards.

Fire cushion
Fire cushion is fixed to base of the box, made of intumescent material, expands when the temperature rises as a result of fire. The expansion of the material in the event of fire seals the box, so the ceiling structure retains its specified fire rating.

Open fixed inlet
The box has one open fixed inlet for a Ø 16/20 mm conduit. Eight fixed inlets in total. The inlet adapter is removed when using the Ø 20 mm fitting tube.



Step towards sustainability
We are working towards making System Ideal and System ABB the most sustainable ranges of flush mounted boxes on Nordic market. Ranges are produced in carbon neutral Nordic based production site with highest content of recycled base material on market (up to 50%).