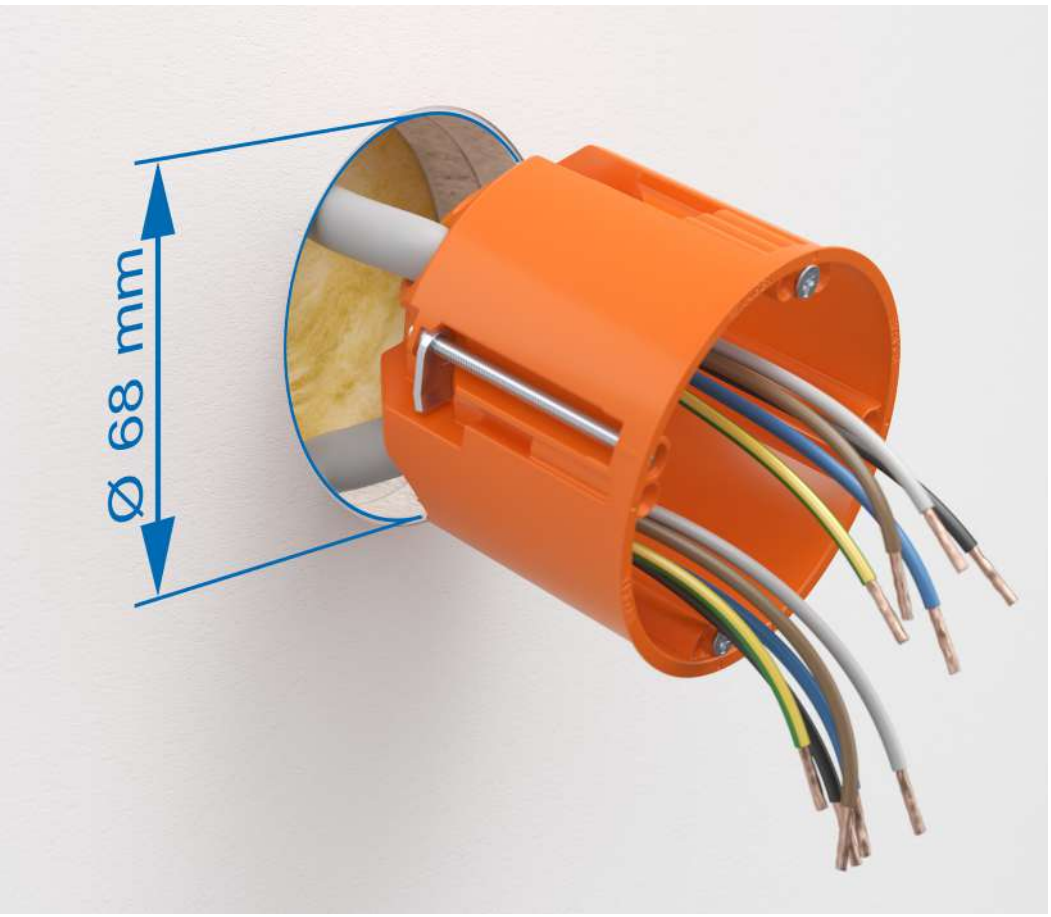
O-range® Evo. Your cavity wall box. Securely retained.



KAISER
Member of KAISER GROUP









1 Multiple screw domes
2 Captively integrated lug
3 Variants with metal angle piece for thin boardings

Your new cavity wall box. O-range® Evo.

In 1968, Kaiser developed their ideas into the first cavity wall box made of plastic. Since then, that first version has evolved into an installation principle that still has a formative influence on electrical installations in cavity walls to this day. **O-range® Evo** continues the developmental process for this system by addressing several crucial points.

The new **one-gang boxes** and **one-gang junction boxes** combine proven product features with practical, innovative characteristics that are designed to address demands for everyday work and noticeably facilitate installation at the construction site.

The **captively integrated fixing lug** remains attached to the screw even during deinstallation. A total of **eight screw domes** – two triple and two individual screw domes at a 90° angle – broaden the options available for aligning the installation accessories.

The O-range® Evo series comprises both halogen-free variants and air-tight variants with ECON® technology.
Important aspects for system planning: All new O-range® Evo products can be combined with the known products from the O-range® range.

The right O-range® Evo for any cavity wall.

Cut hole: Ø 68 mm | one-gang box depth: 49 mm | one-gang junction box depth: 62 mm

1 Application



O-range® Evo
Standard

or



O-range ECON® Evo
Air-tight

2 Boarding



7–40 mm
Standard

or



0.2–30 mm
For thin boardings

3 Version



Standard

or



Halogen-free

Plaster compensation rings
10 mm or 20 mm



Tools
Cavity wall or carbide cutters



Support connectors
Standard | Halogen-free





Install. Remove. Install.
The captively integrated lug.

Planning has long been completed, but then reality hits at the construction site: sometimes, a cavity wall box has to be removed again once it has been installed. Then the fixing lug falls into the dry wall and the cavity wall box cannot be reinstalled without problems.

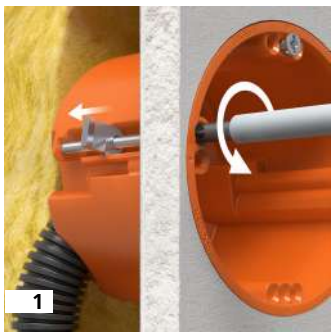
With the new **O-range® Evo one-gang boxes and one-gang junction boxes**, the fixing lug stays firmly connected to the screw and does not fall into the drywall during removal. The **O-range® Evo** can be reinstalled immediately and securely fixed to the boarding. You do not have to search for or replace the metal lugs.

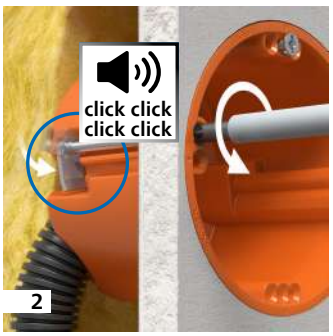
What's more, **removal** itself is incredibly easy: just turn the fastening screw to the left to loosen it. As soon as the lug has reached its intended position, you will hear a clearly audible **click**. This acoustic feedback indicates that removal conditions have been reached and the cavity wall box can be removed from the wall. When inserting it again, the lug is pulled forwards to the rear of the boarding by tightening the screw, thus securely fixing the cavity wall box to the drywall.

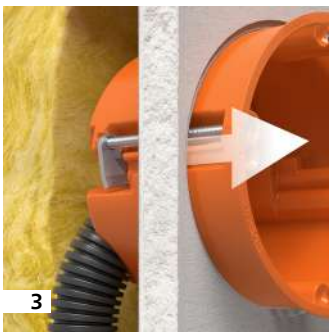
This facilitates any work that involves removing a box again – for example when the wiring is modified, installations retrofitted or adjustments made during installations.

The advantages of O-range® Evo at a glance

- The fixing lug remains securely attached to the screw.
- The lug does not fall into the drywall.
- Removal and reinstallation without any additional spare parts or additional work steps.
- An audible click indicates the defined removal condition.

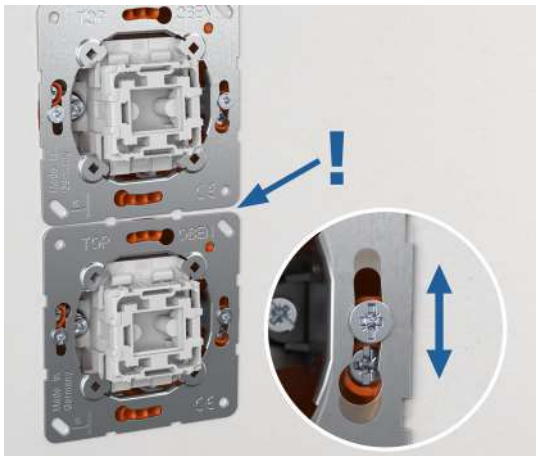






1 Loosening the fastening screw: The lug moves to the thread-free screw end.
2 You hear a distinct clicking sound: Now the cavity wall box is ready to be removed.
3 The lug remains folded: Pull out the box, change the wiring and insert it again directly, without any additional work steps. Tighten the screws and it is finished.







Maximum flexibility with **multiple screw domes.**

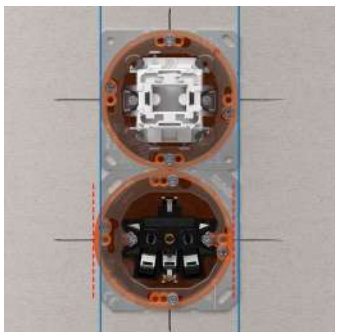
Not every installation opening is exactly where it was planned. Especially when there are several switches or wall sockets next to each other or below one another, even small deviations on the cut holes or the centre distance can become visible. In such cases, the flexibility offered by the installation accessory for alignment in the box is crucial.

This is why the new **O-range® Evo** one-gang boxes and one-gang junction boxes have a total of **eight screw domes**. Two opposing triple screw domes are supplemented with two additional individual screw domes offset by 90° and positioned next to the fastening screws. This allows several positions and alignment options for fixing the installation accessory.

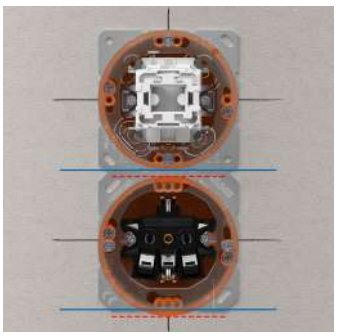
The large tolerance range makes it easier to precisely level switches, sockets and other installation accessories – even if the installation opening or the alignment of several boxes was not exact to the last millimetre. This is particularly useful for perfect alignment of the accessories when installed in combinations.

The advantages of the O-range® Evo screw dome geometry

- 8 screw domes in total
- 2 triple screw domes plus 2 individual screw domes at a 90° angle
- Maximum tolerance compensation in several directions
- More options for precise alignment of switches and sockets
- Especially useful for combinations and slightly deviating installation openings



Any misalignment in installation openings for multiple combinations can be compensated during installation of the installation accessories by fixing the device screws flexibly to one of the three available screw domes.



Should the standard centre distance for a combination exceed the required 71 mm, the device screws can be removed and installed into the individual screw domes at a 90° angle in order to compensate for the difference via the support ring on the installation accessory.



Also with metal angle piece **for thin boardings from 0.2 mm.**

Not every drywall consists of traditional structural panels, such as plasterboard or plaster fibre. Especially for special constructions, e.g. in container construction, there are often very thin wall structures involved. For such cases, we provide **O-range® Evo** variants with **metal angle pieces**.

Special fixings allow an installation for **boarding thicknesses from 0.2 mm**. Proven product features found in the O-range® Evo programme will continue to be included as standard daily options for particular use cases, such as metal sheet boardings.

The metal angle piece is designed to position itself behind the boarding when tightened and to reliably fix the box in place.

The variants for thin boardings are also available in standard, halogen-free and air-tight variants.

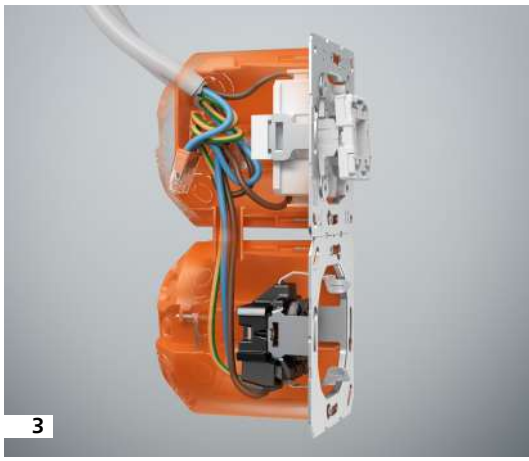


O-range® Evo for thin boardings

- For boarding thicknesses from 0.2 mm.
- Suitable for metal sheet and metal boardings.
- Standard, halogen-free or air-tight with ECON® technology.


1


2


3


4


5


6

The advantages for you at a glance.
O-range® Evo.

Captively integrated fixing lug
Stays attached to the screw during removal. This facilitates removal and reinstallation and prevents the lug from getting lost in the cavity wall.

8 screw domes
2 triple screw domes plus two individual screw domes at a 90° angle allow additional possibilities for exactly positioning switches and sockets.

Secure fixing (Ill. 1)
With the metal lug fixing, the cavity wall box is fixed permanently – regardless of which boarding material was used, and even if the wall cutout was not done perfectly accurately. This allows you to fix the cavity wall box reliably in the installation opening even if the rear of the boarding is broken or damaged.

Flexible insertion of electric cables and conduits
Break-out combination entries allow adequate cable and conduit entry for up to 25 mm conduit diameter incl. self-locking effect for the conduits and/or cable retention. The marking of the entries supports the selection of a suitable opening.

90° conduit entry angle (Ill. 2)
Facilitates conduit installation even in situations with very little room.

Fully insulated through-wiring close to the base (Ill. 3)
Support connectors allow the combination and fully insulated through-wiring of several cavity wall boxes.

For the deep one-gang junction box, entries close to the base additionally facilitate cable routing and create more usable space for installation accessories.

Wall thicknesses / wall materials (Ill. 4)
Designed for typical panel thicknesses in drywall construction with a large range of 7 to 40 mm. More variants with metal angle pieces allow installation in thin boardings of 0.2 to 30 mm, e.g. metal sheet and metal constructions. As compensation for boxes that are too low, there are also plaster compensation rings with a height of 10 and 20 mm available.

Standard, halogen-free and air-tight
There is a suitable variant for every requirement. O-range ECON® Evo boxes with elastic membranes allow air-tight entry of cables and conduits. The innovative opening tabs ensure defined, toolless installation.

Two installation depths – one installation opening
O-range® Evo one-gang and one-gang junction boxes are installed in a 68 mm installation opening. The one-gang box is available with 49 mm depth, the one-gang junction box with 62 mm depth.

100% O-range® system compatible (Ill. 6)
The new O-range® Evo products replace the O-range® one-gang and one-gang junction boxes and can be combined with all other products in the O-range® cavity wall range. This means that existing O-range® systems can continue to be used and can be expanded without any issues.



KAISER **O-range® Evo** products. **At a glance.**

O-range® Evo



One-gang box
9063-03



One-gang junction box
9064-03



One-gang box, halogen-free
9063-79



One-gang junction box, halogen-free
9064-79

O-range ECON® Evo



One-gang box
9263-23



One-gang junction box
9264-23



One-gang box, halogen-free
9263-79



One-gang junction box, halogen-free
9264-79

O-range® Evo
For thin boardings



One-gang box
9063-13



One-gang junction box
9064-13



One-gang box, halogen-free
9063-73



One-gang junction box, halogen-free
9064-73

O-range ECON® Evo
For thin boardings



One-gang box
9263-13



One-gang junction box
9264-13



One-gang box, halogen-free
9263-73



One-gang junction box, halogen-free
9264-73

Tools



PROFI cutter
1081-10



EXPERT cutter
1082-30



Cavity wall template
1085-99



Stripping pliers
1190-02

Accessories



Plaster compensation ring, 10 mm
9155-63



Plaster compensation ring, 20 mm
9155-64



Support connector
9060-98



Sealing plug
1060-16, -20, -25

Trailer

Product video

Product comparison NEW / OLD list

Systems and solutions
for professional electrical installations.

KAISER has been developing and producing systems and products as the basis for good installation work since 1904. Planners and fitters all over the world use our practice-oriented solutions for their daily work in all installation areas.



Energy efficiency.

Innovative KAISER products help you to ensure compliance with the requirements of EU Directives and national regulations, such as the German Building Modernisation Act (Gebäudemodernisierungsgesetz, GModG).



Radiation protection.

Use of the new radiation-protection one-gang boxes allows the radiation protection of the wall to be maintained without additional shielding measures.



Fire protection.

KAISER fire protection systems provide reliable solutions for electrical installations in fire protection walls and ceilings.



Construction.

KAISER has corresponding product system solutions for safe, durable and practical use in redevelopment, renovation and modernisation projects.



Sound insulation.

KAISER's innovative sound insulation boxes ensure compliance with the construction requirements for sound insulation walls, as well as for built-in installations.



Concrete construction.

Complete systems for on-site mixed and precast concrete. Fully optimised to professional electrical installation work.

Technical information and advice

All current further information on products, system solutions and communication media can be found on our website at **www.kaiser-elektro.de**

For additional questions or information, our team of technical consultants will be happy to assist you and look forward to talking to you: **+49 (0) 23 55 809 61** · **technik@kaiser-elektro.de**

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