

Installation Boxes

Multifix Air

Setting a new standard
in energy efficiency



Multifix Air



Airtight installation boxes

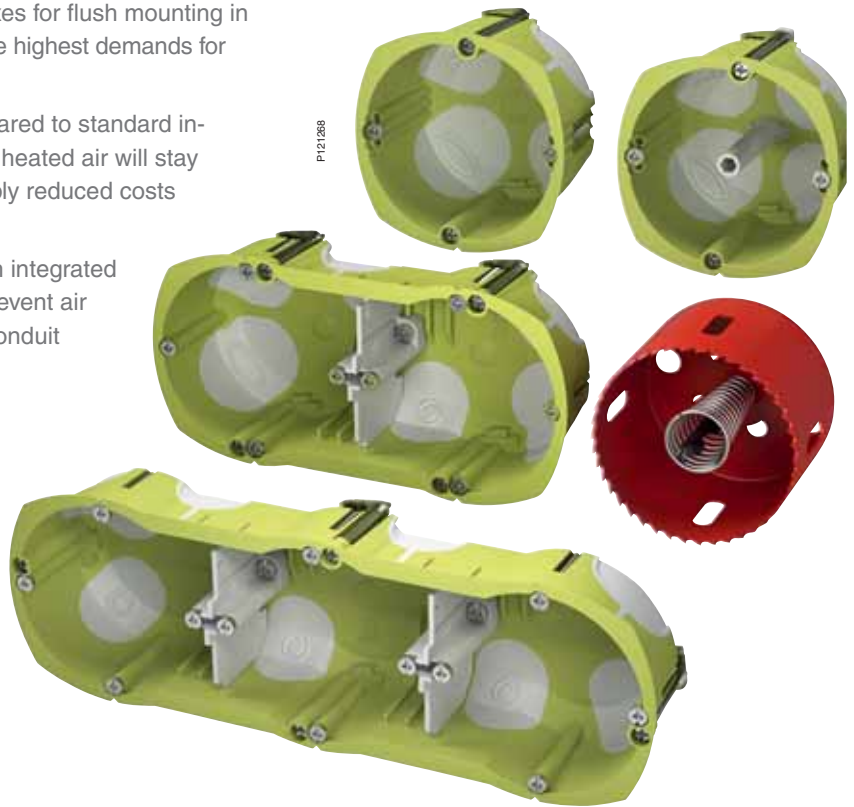
The Multifix Air range consists of installation boxes for flush mounting in hollow walls and ceilings, all designed to meet the highest demands for energy saving.

The boxes reduce the air leakage by 95% compared to standard installation boxes! This means that conditioned or heated air will stay indoors instead of leaking out, giving considerably reduced costs for the house owner.

The ingenious use of elastic membranes with an integrated knock-out is among the clever inventions that prevent air leakage. The membrane fits tightly around the conduit or cable, yet allows a high degree of flexibility, which makes the installation robust and enduring. All knock-outs are pre-marked and easily opened with just the conduit or cable.

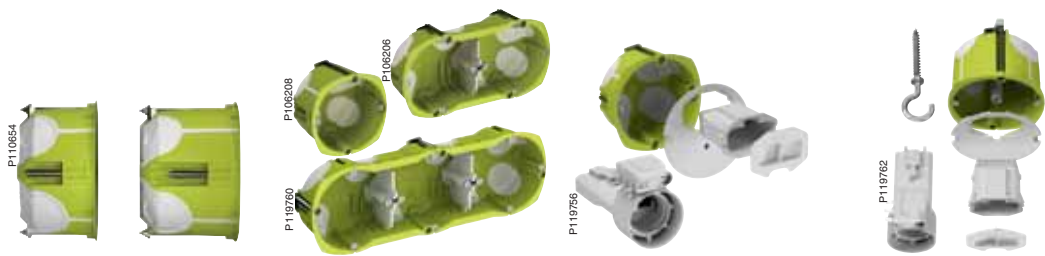
Wide but thin collars hide eventual imperfections. The double and triple boxes have slightly narrowed parts, decreasing the need for larger hole making.

Furthermore, the Multifix Air boxes are resistant to changing temperatures and can be used in most environments. Metal parts are zinc-plated to minimize the risk of corrosion.



Speed

At Schneider Electric we always think about saving your time. Each one of the Multifix Air components is therefore designed to speed up your work. The elastic sealing membranes, our kits, special tools and triple-threaded screws are some good examples of how this thought shapes our products.



95%

Multifix Air reduces air leakage with 95%.



Two depths

Choose the 40 mm box for ordinary devices. The 50 mm box can be used to make bypass connections behind the device or to install deeper devices.

Single, double or triple

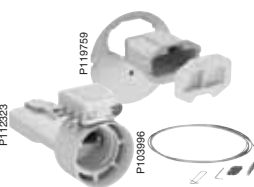
You will surely find a box to match your needs in the Multifix Air range.

Pre-packed kits

The Multifix Air range offers several pre-packed kits. Convenient and time saving for you.

For ceiling

Our smart DCL ceiling box kit includes everything needed, cover, IPX4 DCL outlet with blanking plate, hook, suspension chimney, lighting plug with E27 base for a temporary light bulb and a DCL-plug 2 PE.



Accessories

The smart hole saw, the box covers, DCL plugs and outlets, the Grippl suspension kit are some of the accessories which are also perfectly compatible with the Multifix Air range.



The art of hole-making

The finish reveals the craftsmanship. Or the fact that you have discovered our special hole saw; a great tool which drills exact and sharp holes designed for Multifix Air.

Don't be fooled by the lean and minimalistic design – these installation boxes are all jam-packed with innovations and ingenuity! Even if they may just look like pieces of plastic, every detail has its specific purpose aimed to make your job faster, easier and more professional. Look closer at these boxes to discover all the smart details.



Easy mounting/dismounting

The smart swivel construction together with the non-loosable screws also provide reversability. If you have to correct the installation, you can easily remove the box without damaging the wall, and re-use it again. No loss of fixing parts.

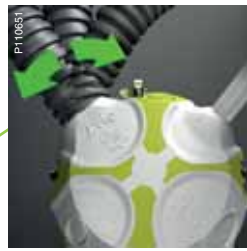
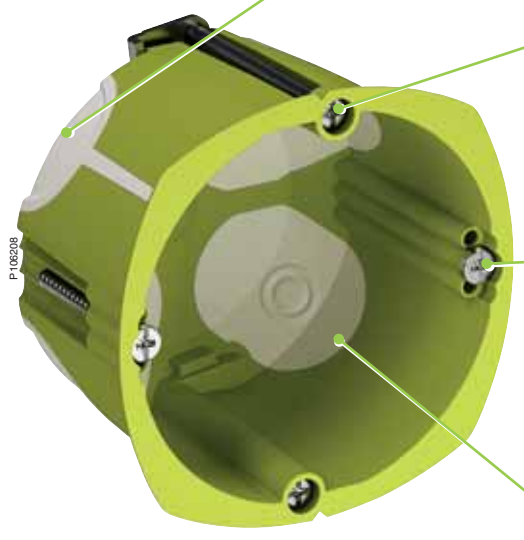
Meets the EN standard

The whole range meets the standard EN 60670-1.

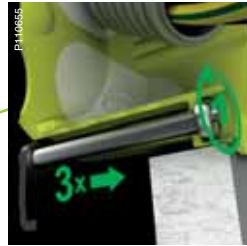


It's sturdy and flame-proof

The box is made of polypropylene. It's rigid, reliable and will not crack. Tests have shown it will keep its shape and full function up to 60° and down to -5°C. The Multifix Air boxes are all flame-proof. This means that they have "survived" the 850°C glow wire test.



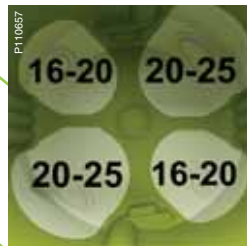
Flexible but firmly fixed
Thanks to the airtight elastic membranes, each installed conduit or cable is safely fixed in its place, and yet flexible enough to adjust to the wanted position.



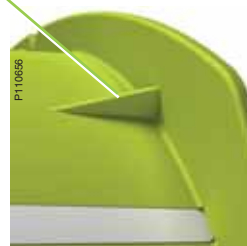
Fast and clever screws
The screws are "high-speed", i.e. triple-threaded. This will make the assembly 3 times faster. Each screw has a built-in stop end to prevent the loss of claws, which makes the box re-usable. Since the claw is made of metal you can use a power tool.



All kinds of walls, wiring devices and frames
The long screws make the boxes suitable for any type of wall, regardless of its thickness. The 60 mm fixing centers fit most wiring devices and handle both horizontal and vertical mounting frames. Three alternative fixing holes for the wiring device ensures a perfect result.



Knock-outs
The membranes have knock-outs suitable for a conduit diameter of 16–20 mm or 20–25 mm. No tools are needed, just push the conduit through the membrane. Cables with a minimum diameter of 9 mm can also be used, but only in the 16–20 mm knock-outs.

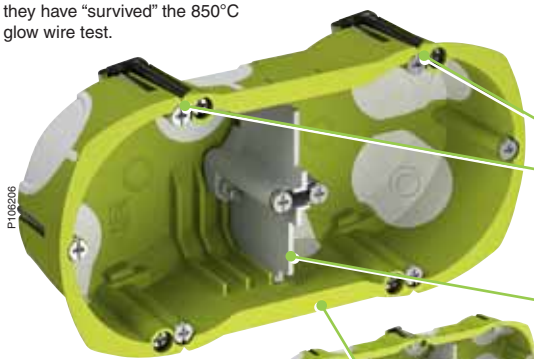


Anti-rotation system
The single boxes have four wings that ensure a perfect grip in all walls and prevents unwanted rotation of the box.



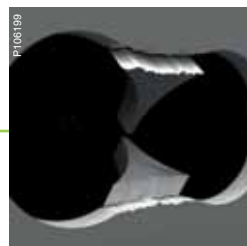
Double and triple box

The V-shaped marking notches in the collar show you where to drill. Once the holes are drilled you can easily cut away the material in between with a knife. The slightly narrowed parts will ease your work even more. Built-in separation walls can be removed if needed.









Hides imperfections





The wide and thin collar around the box hides any small mistakes in the hole-making. Thanks to its thin construction it will also minimize the gap between the wiring device and the wall.








Airtight apparatus boxes

Type	Colour	Dimensions A/B/C (mm)		Qty per package	Ref. No.	
Airtight apparatus box, single						
Single-station apparatus box, 67x40 or 67x50 mm, for mounting at c/c 71 mm. Airtight. Mainly intended for use in hollow outer walls. Material: PP/TPE.						
P106207		67x40 mm	Green	71/39/71	50	IMT35001
P106207 P119701		67x40 mm including hole saw Ø67 mm	Green	71/39/71	50/300	IMT35228
P106208		67x50 mm	Green	71/49/71	40	IMT35002
Airtight apparatus box, double						
Double-station apparatus box 67x40 for mounting at c/c 71 mm. Airtight. Mainly intended for use in hollow outer walls. Material: PP/TPE.						
P106206		67x40 mm	Green	71/39/142	20	IMT35000
Airtight apparatus box, triple						
Triple-station apparatus box 67x40 mm for mounting at c/c 71 mm. Airtight. Mainly intended for use in hollow outer walls. Material: PP/TPE.						
P119760		67x40 mm	Green	71/39/215	10	IMT35031








Airtight wall box kits

With flush cover						
Wall box kit 67x40 mm including flush cover. Airtight. Material: PP/TPE, ABS.						
P119755		67x40 mm	Green	71/39/71	10	IMT35025
With flush cover and lighting plug E27						
Wall box kit 67x40 mm including flush cover with IPX4 DCL outlet, lighting plug with E27 base and DCL plug 2P E, 6A/250 V AC. Airtight. Material: PP/TPE, ABS, PC/ABS.						
P119756		67x40 mm	Green	71/39/71	10	IMT35026
With surface cover						
Wall box kit 67x40 mm including surface cover with IPX4 DCL outlet. Airtight. Material: PP/TPE, ABS, PC/ABS.						
P119758		67x40 mm	Green	71/39/71	10	IMT35028
Wall box kit 67x40 mm including surface cover with IPX4 DCL outlet, lighting plug with E27 base and DCL plug 2P E, 6A/250V AC. Airtight. Material: PP/TPE, ABS, PC/ABS.						
P119757		67x40 mm	Green	71/39/71	10	IMT35027


Airtight ceiling boxes

Type	Colour	Dimensions A/B/C (mm)		Qty per package	Ref. No.
Without cover					
Ceiling DCL box 67x50 mm with pre-mounted suspension chimney. Airtight. Material: PP/TPE, PA6.6.					
P119765 	67x50 mm	Green	71/49/71	10	IMT35024
Kit with flush cover and lighting plug E27					
Ceiling box kit 67x50 mm including flush cover with IPX4 DCL outlet, pre-mounted suspension chimney, hook, and lighting plug with E27 base and DCL plug 2P E, 6A/250 V AC. Airtight. Material: PP/TPE, PA6.6, ABS, PC/ABS, steel.					
P119762 	67x50 mm	Green	71/49/71	10	IMT35021
Kit with surface cover					
Ceiling box kit 67x50 mm including surface cover with IPX4 DCL outlet, pre-mounted suspension chimney and hook. Airtight. Material: PP/TPE, PA6.6, ABS, PC/ABS, steel.					
P119764 	67x50 mm	Green	71/49/71	10	IMT35022
Kit with surface cover and lighting plug E27					
Ceiling box kit 67x50 mm including surface cover with IPX4 DCL outlet, pre-mounted suspension chimney, hook, and lighting plug with E27 base and DCL plug 2P E, 6A/250 V AC. Airtight. Material: PP/TPE, PA6.6, ABS, PC/ABS, steel.					
P119763 	67x50 mm	Green	71/49/71	10	IMT35023

Compatible accessories

Blanking plate					
Blanking plate for DCL outlet. Material: PC/ABS.					
P103988 	Blanking plate	White	37/11/17	25	ALB71892
Cover for single box					
Cover including screws for single-station box. Material: PS.					
P104047 	For 67 mm box	White	67/6.5/67	10	ALB71819
Cover with outlet, for wall/ceiling box					
Surface cover with IPX4 DCL outlet and blanking plate, push-in termination, and two screws. For wall and ceiling box. Material: PC/ABS.					
P103985 	Surface, with outlet	White	25/80/80	25	ALB71817
Cover with outlet, for wall box					
Flush cover with IPX4 DCL outlet and blanking plate. For wall box. Material: ABS, PC/ABS.					
P119759 	Flush, with outlet	White	64/25/64	10	IMT35029
Cover with outlet, for ceiling box					
Flush cover with IPX4 DCL outlet and blanking plate, and hook. For ceiling box. Material: ABS, PC/ABS, steel.					
P119761 	Flush, with outlet and hook	White	96/25/64	10	IMT35030
DCL lighting plug					
Lighting plug with B22 base including DCL plug 2P E, screw terminal, 6A/250 V AC. Material: PC/ABS.					
P103987 	Lighting plug	White	97/30/45	20	ALB68010
DCL outlet					
DCL IPX4 outlet with and blanking plate, push-in termination, for mounting in covers for boxes, flush or surface. Material: PC/ABS.					
P103986 	Outlet	White	36/39/25	25	ALB71800

Compatible accessories

Type	Colour	Dimensions A/B/C (mm)		Qty per package	Ref. No.
DCL plug					
DCL plug 2P E, 6A/250 V AC. Material: PC/ABS.					
Plug	White	36/17/30.5		20	ALB68005
Gripple system with Sevenhook					
Gripple suspension kit including Sevenhook fixing device for concrete, intended for ceiling boxes. Material: Steel.					
Suspension kit	—	68/14/1120		10	ALB71896
Hole saw					
Hole saw for board materials, with or without spring, drill diameter 67 mm. Material: Steel, painted.					
Hole saw with spring	Red	100/67/67		1	ALB69895
Hole saw without spring	Black	100/67/67		1	ALB69892
Lubricant					
Lubricant in a plastic bottle with spout. For pulling cables.					
Lubricant	—	265/83/83		1	ALB70900
Mounting screw					
Mounting screw with 5.6 mm screw head, suitable for mounting of Merten wiring devices. Material: Steel, zinc coated.					
Screw	—	3/32		1 = 100 pcs	ALB71396

P103990



P103996



P104023



P119701



P105784



P105925



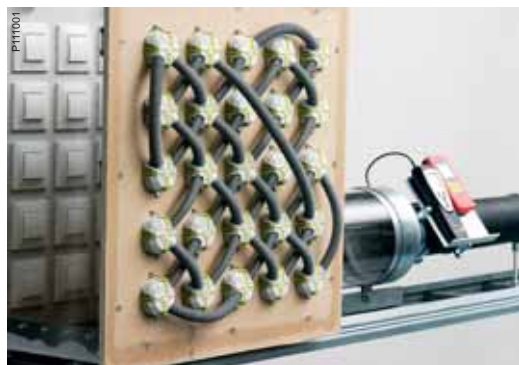
Multifix Air

Technical description

Air leakage tests

Tests with 50 boxes in an air pressure of 50 Pascal show a total leakage of 118.0 m³/h for standard boxes, as compared to 5.7 m³/h for Multifix Air.

Thus, Multifix Air reduces the air leakage by 95% as compared to standard installation boxes.



50 regular installation boxes showed a total air leakage of 118 m³/h.



With Multifix Air boxes the air leakage was reduced by 95%.

Elastic membranes

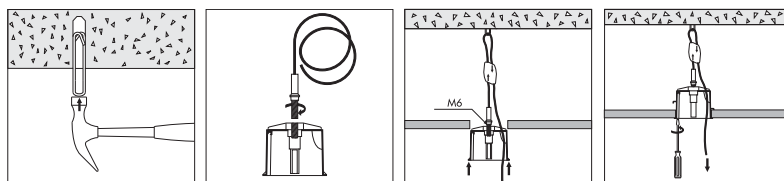


The elastic membranes on Multifix Air are easily opened with just the conduit or cable. The membrane fits tightly around the conduit or cable.

Technical and Material data

Material (box)	PP (Polypropylene)
Density	0.9 g/cm ³
Colour specification	Green NCS S 2070-G80Y
Material (membrane)	TPE (Thermoplastic elastomers)
Density	1.2 g/cm ³
Colour specification	Grey RAL 7035
Material (accessories)	PC/ABS (Polycarbonate/Acrylonitrile butadiene styrene)
Density	1.15 g/cm ³
Colour specification	White RAL 9010
Degree of protection	IP20
Temperature range	Operating temperature from -5°C to +60°C
Standards	EN 60670-1

Ceiling DCL box with Gripple suspension kit



* Make the most of your energy

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