Technical catalogue

Floor distribution systems and systems for prefabricated buildings

604210/011 en

ABB

Summary

Index

General

Distribution systems with cables laid along the floor are, by far, the most widespread solution in modern office buildings and, in general, the most advanced tertiary activities.

In particular it is evident how radically the use of offices has changed and more generally, the structure in which defined activities in the tertiary sector are carried out.

The principal elements of this metamorphosis are well known: most importantly the need for adaptability and the rational use of space, but also the presence of more services alongside the electricity supply (telephone, data processing, automatic plant management, auxiliary services), reduction in electricity consumption and, last but not least, an improvement in the environment in terms of the ergonomic aspects of the workplace as well as the greater comfort and improved appearance of rooms.

These are needs that are also found more and more in other sectors, wherever there is a requirement to use space to its greatest advantage, and to respond, almost in real-time, to the changing requirements of the market.

Compared to some years ago, all of this has inevitably influenced and modified the way technological systems in buildings are planned and implemented, particularly those concerning the transfer of signals and various kinds of electrical elements by cable.

As an efficient and rational solution to satisfy all these requirements, ABB proposes advanced underfloor distribution systems which integrate perfectly with junction and floor boxes. Due to their characteristics which enable the distribution of various services, by cable, to every part of the room and with a configuration easily modifiable to any requirement, they are by far the most widespread solution in modern office buildings and, in general, the most advanced tertiary activities.
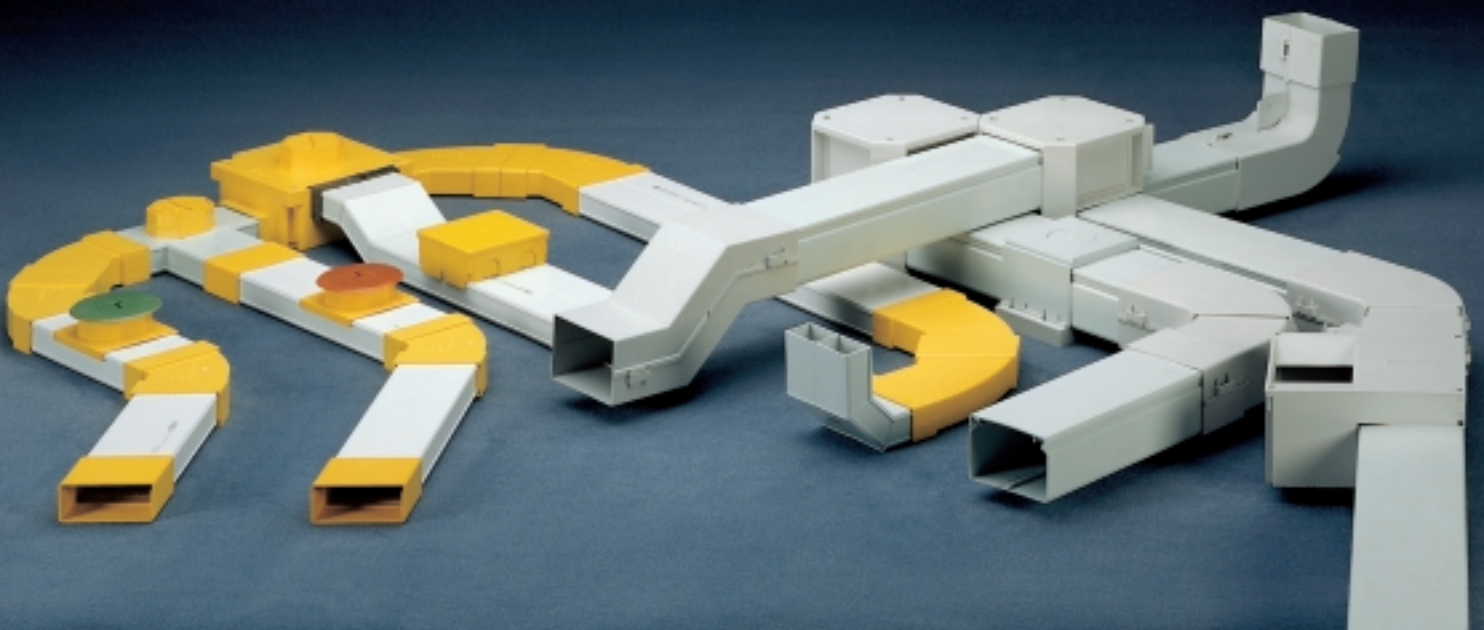
Floor trunking systems

ABB proposes two underfloor distribution systems: Scattoplast and Undernet.

The Scattoplast system is suitable for traditional floors and is therefore incorporated in the floor itself, but it can also be installed in raised floors, while the Undernet system is designed for raised-floors and false ceilings.

Not only is underfloor installation flexible, making reconfiguration of space according to the different uses of the room easy and economical, but it also has further advantages in terms of maintenance and ease of modification of the plant itself after implementation.

FLSP9001

General

To achieve integration and to ensure complete plant implementation, the Scattoplast system can be easily connected both to the Underfloor system and to above-floor trunking by junction boxes also supplied by ABB. Scattoplast components conform to the CEI 64-8 Standard.

The Underfloor trunking system, IMQ mark, for raised floors, consists of 90 x 60 mm single compartment trunkings which can be transformed into double compartments trunking using an appropriate separator.

Assembly of this system is completely reversible and it can therefore be installed in false ceilings as well as on floors; moreover, thanks to an appropriate vertical bend, the trunkings themselves can be mounted on wall like normal visible trunking.

Appropriate boxes are available for this type of application on wall-mounting trunkings, of modular components (e.g. MCBs from ABB's System pro *M* range) or flush-mounting components (switches, sockets etc.).
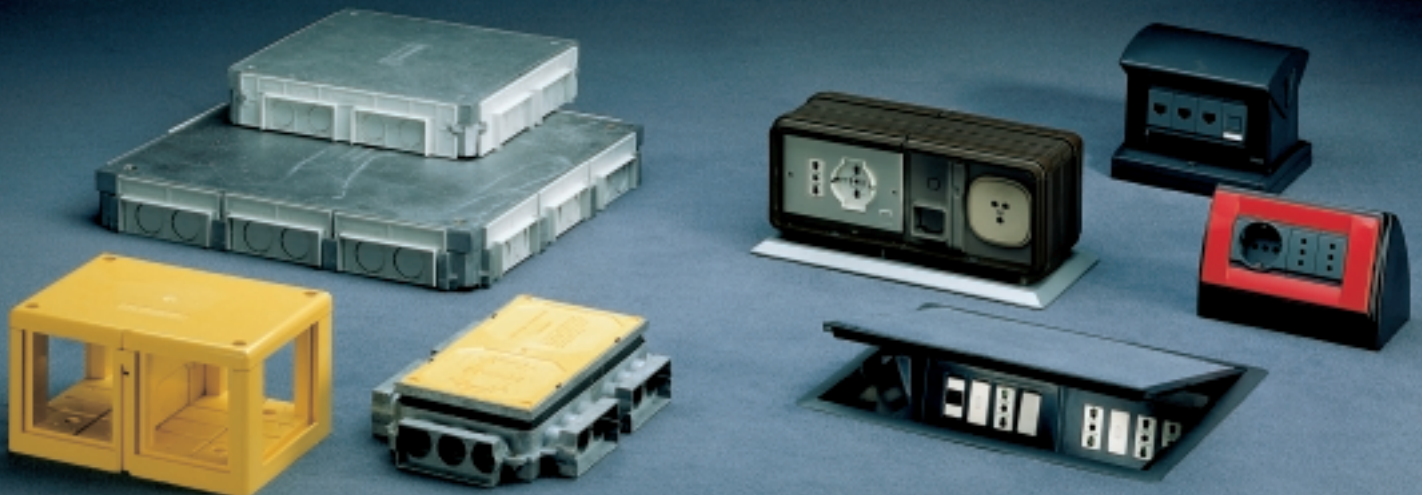
Junction boxes

ABB offers various types of boxes: in Silumin, the Metal series and the Multiplast box system.

Depending on the version, these boxes can be combined with the Scattoplast system and ABB's floor boxes to implement a completely functional plant which mirrors the growing need for flexibility.

Floor boxes

The range presented by ABB is very wide and rich so that any type of plant can be installed, fulfilling the practical and aesthetic demands of the end client and satisfying the most evolved plant requirements at the same time. The range consists of 5 different types of floor boxes:

- Lusy **NEW**
- Concept
- Telec
- Multivert
- Undernet **NEW**

FLSP9002

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Floor trunking systems

Underfloor system

General

An extremely innovative concept, the Underfloor system goes far beyond the usual underfloor systems and is primarily orientated towards a structural integration logic within the building.

Designed for raised floor applications, the system has several accessories which greatly extends the application potential; the assembly of this system is completely reversible and therefore enables its installation also in false ceilings.

An appropriate vertical bend also allows the use of Underfloor for wall-mounting external trunking, following from the floor or ceiling versions.

We are talking, therefore about a system which is extremely versatile and which completely and safely satisfies the distribution of energy to all the plant.

On the visible wall-mounting Underfloor trunkings it is possible to mount electrical devices, directly, using the appropriate boxes. Depending on the type of box, modular components such as MCBs (e.g. System pro *M* devices from ABB SACE), up to a maximum of 4 modules, or modular flush-mounting devices up
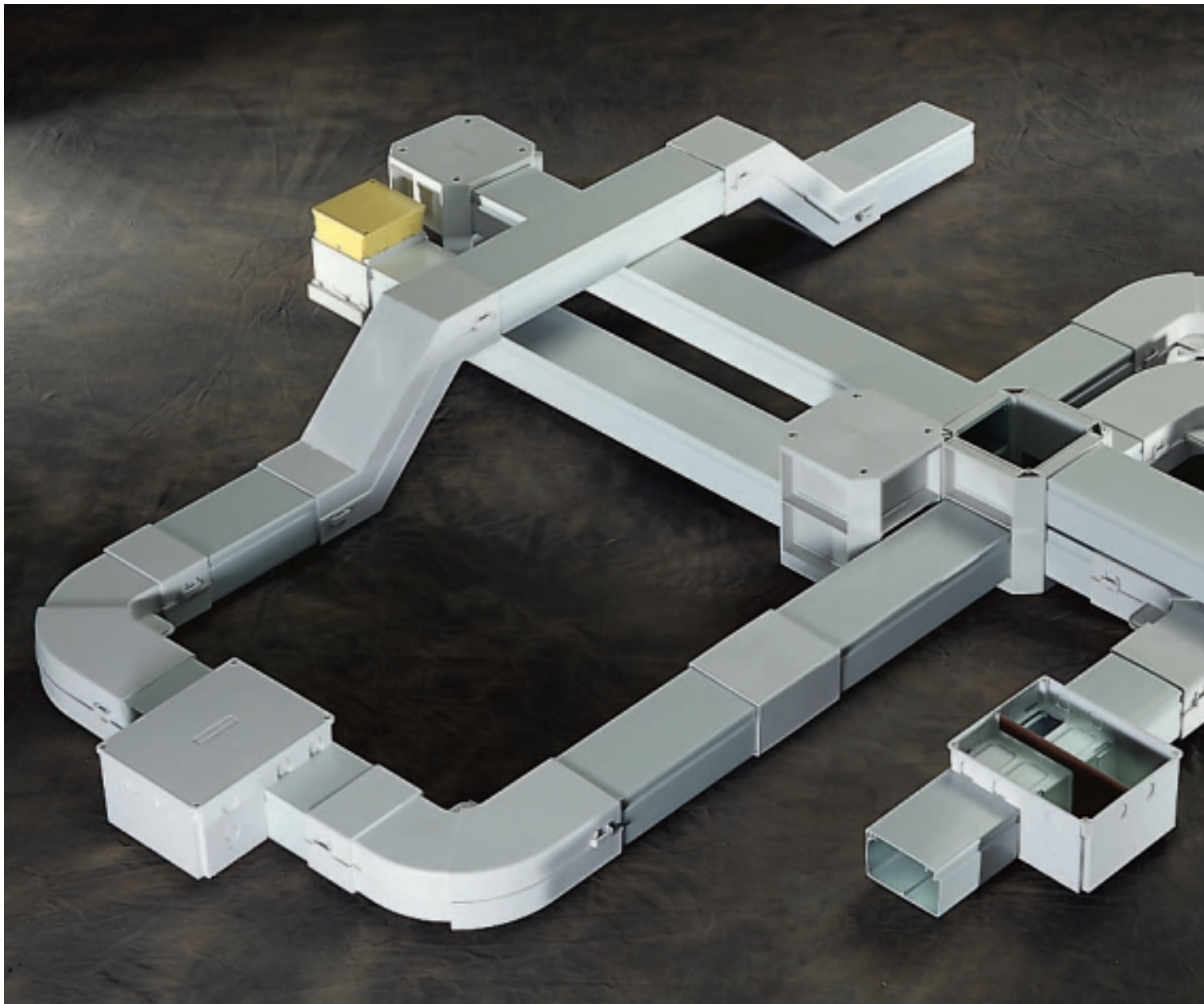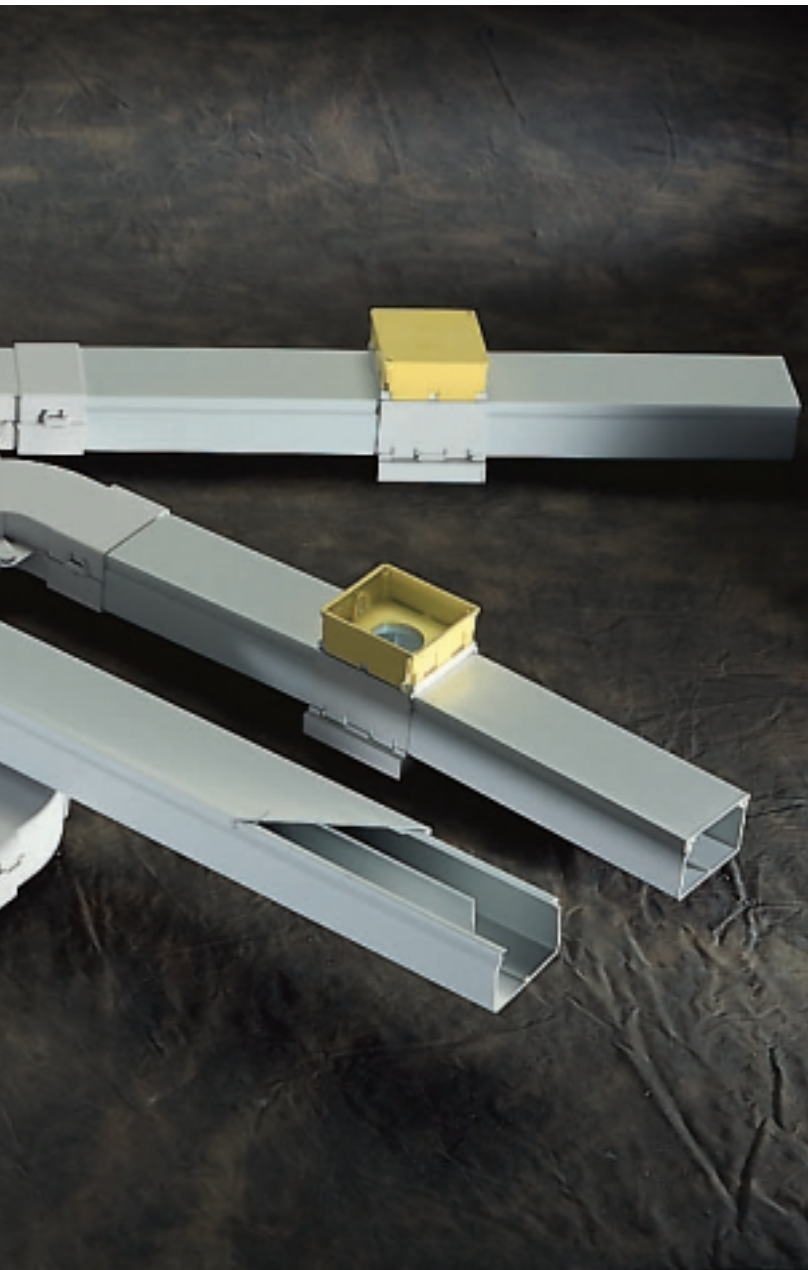
Floor trunking systems

Underfloor system

to a maximum of 4 sockets (for example the IDEA VIMAR Series). The trunkings are made of PVC and the accessories of ABS, both are in RAL 7035 grey.

The installations implemented using the Underfloor system can be inspected at any time without any problem, since both the trunkings and the connection accessories are furnished with removable covers which can be detached using tools; it is therefore possible to enter into any point of the plant without involving any part not directly concerned in the intervention itself. This characteristic is particularly useful in the case of modifications, ins-

pections and local maintenance.
Protection degree is IP40.
Boxes and trunkings conform to CEI 64-8 and CEI 23-32V1 Standards, respectively; the system has the IMQ mark.
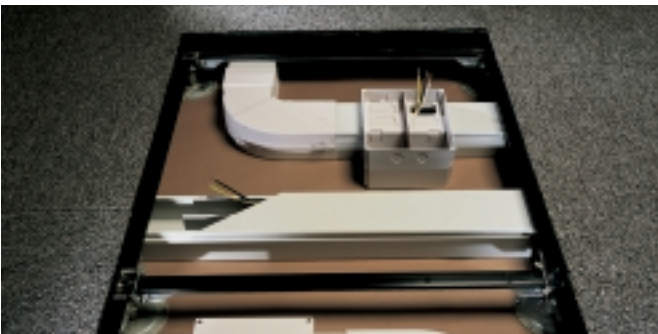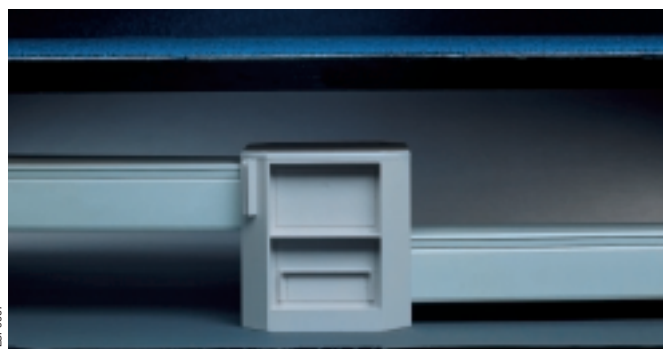
2
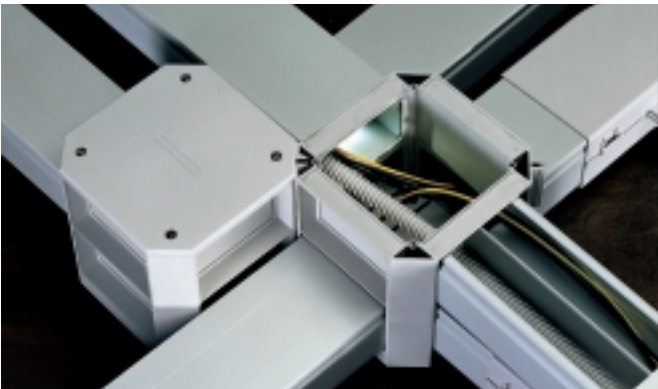
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Floor trunking systems
Underfloor system

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Installation criteria

Both when dealing with new installations, and when changing existing environments, where the existing floor may be of a limited height, the Underfloor system does not present particular installation problems. For new implementations, where it is possible to use floors of a useful height not less than 210 mm (interspace), there is available a modular junction box art. 10 240 which offers several branch connection on all four sides and allows crossover of the trunkings.


The modularity of the art. 10 240 box is implemented by coupl-ings on the corners, so that, even in a compound configuration, each box can join with a trunking on each side; each box, therefore, can be used for a particular service: electric, telephonic, data transmission etc.


For restructuring with floors with a minimum useful height of 120 mm (interspace) use instead box art. 10 241, which is lower, and allows a branch connection on one side.

Both the art. 10 240 and art. 10 241 boxes allow branch connections of the trunkings which compose the Scattoplast system to connect with raised floors or the traditional type.
The art. 10 240 boxes are provided with two knockout holes on the two opposite sides, for Scattoplast trunkings 70x30 mm; while art. 10 241 boxes are provided with one knockout hole for Scattoplast trunkings 95x30 mm.
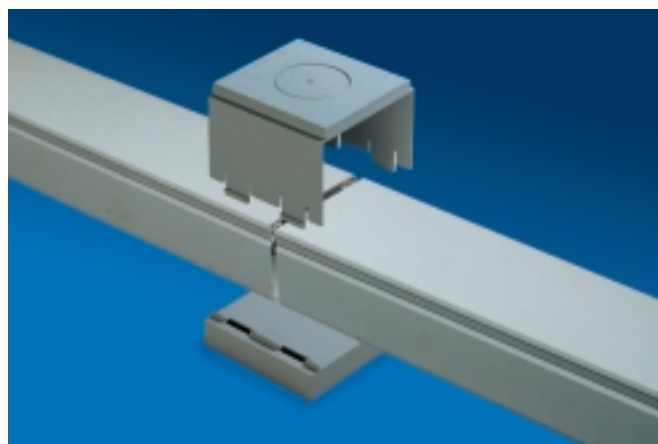
For floors of a useful height, not less than 210 mm (interspace), the cable exit towards external floor boxes is carried out at the junction of two sections of the trunking; this is done using a special type of joint on which it is possible to attach a snap-on secondary branch connection (art. 10 161, can be mounted also on the cover of the trunking). At the junction of the trunkings rests a separator which has a double function: to raise the trunking above the floor and receive the joint, which clips on to the separator.
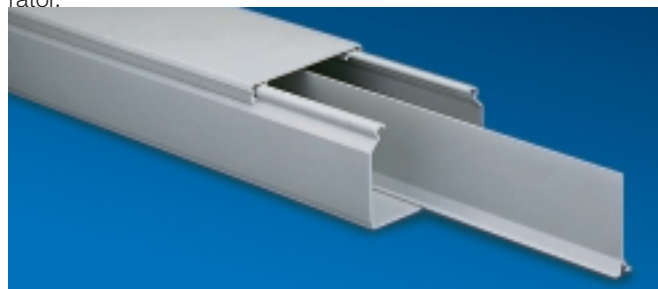
The trunkings are 95x60 mm and have a single compartment; this, however, can be subdivided into two compartments using an appropriate separator.
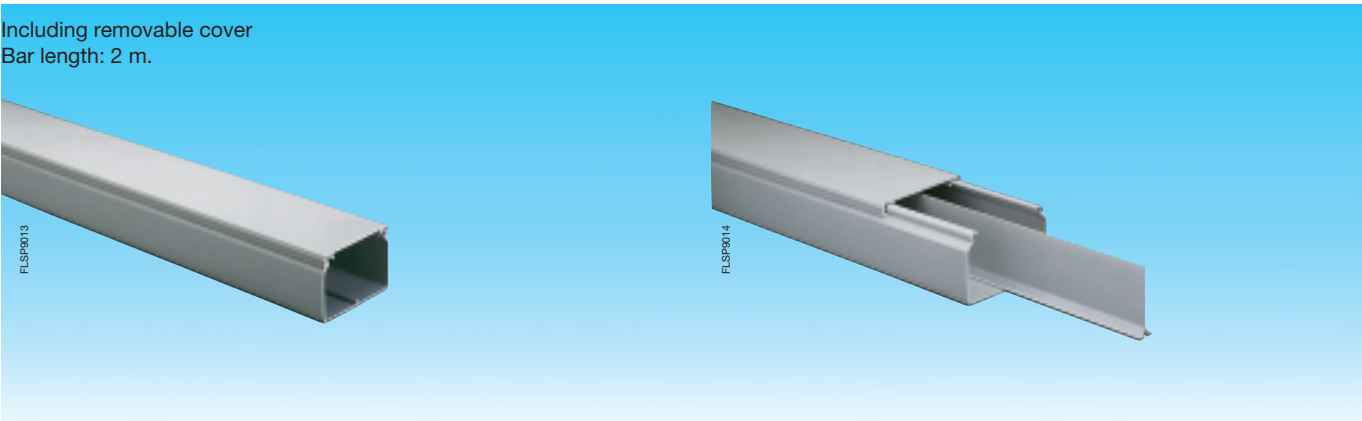
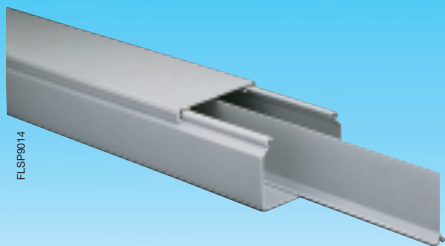# Floor trunking systems
Underfloor system

Underfloor 95x60 mm

Trunking 95x60 mm

Including removable cover
Bar length: 2 m.

Article	Colour	Packing [m]
10 201	RAL 7035 grey	16

Trunking separator

Article	Colour	Packing [m]
10 202	RAL 7035 grey	100

Trunking support
(3 pieces with knockouts)

The use of the support is obligatory for mounting of joint art. 10 212. It is always used with duct art. 10 201.

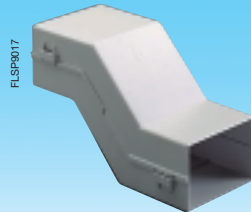| Article	Colour	Packing
10 211	RAL 7035 grey	26

Trunking joint

For use with the support art. 10 211. It also allows the installation of the branch connection box art. 10 161.
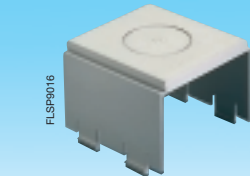
Article	Colour	Packing
10 212	RAL 7035 grey	36

Trunking flyover

Article	Colour	Packing
10 213	RAL 7035 grey	9

Flat joint

Article	Colour	Packing
10 216	RAL 7035 grey	28

Underfloor 95x60 mm

Flat angle bend

Article	Colour	Packing
10 214	RAL 7035 grey	8

Adjustable riser bend for wall connection

Article	Colour	Packing
10 215	RAL 7035 grey	8

End cap

Article	Colour	Conf./Packing
10 217	RAL 7035 grey	28/112

Junction boxes

Junction box

For floor ≥ 210 mm.

Article	Colour	Packing
10 240	RAL 7035 grey	12

Junction box

For floor ≥ 120 mm.

Article	Colour	Packing
10 241	RAL 7035 grey	8

Junction box for secondary branch connection

In self-extinguishing, shock proof plastic. Outlets for 20 mm conduits. Can be used also with Scattoplast trunkings with a cross-section of 95x30 mm.
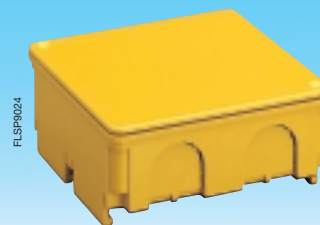
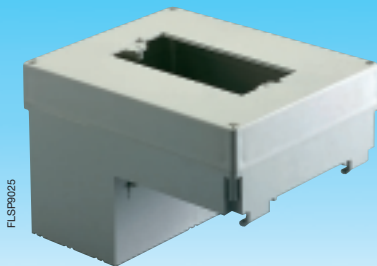| Article	Colour	Packing
10 161	RAL 1018 yellow	50

Floor trunking systems

Underfloor system

Switch boxes

Wiring accessories switch box (max 4 units)

For wall-mounting trunkings.

Article	Colour	Packing
10 230	RAL 7035 grey	6

Modular DIN rail components switch box (max 4 modules)

For wall-mounting trunkings.

Article	Colour	Packing
10 231	RAL 7035 grey	8

Floor trunking systems
Scattoplast system

General

The Scattoplast floor trinking system, in self-extinguishing thermo plastic, is composed of trunkings for laying cables, cable glands that can be snapped onto the trunkings themselves and a group of accessories specially designed to rationalise the distribution paths, in traditional and raised floors.

Junction boxes are also available in self-extinguishing thermoplastic, suitable both for normal and raised floors, and Silumin alloy boxes. Some of the system's accessories make it possible to create branch connections with flexible and corrugated conduits.
Depending on the type of component the colour may be RAL 9016 white or RAL 1018 yellow.
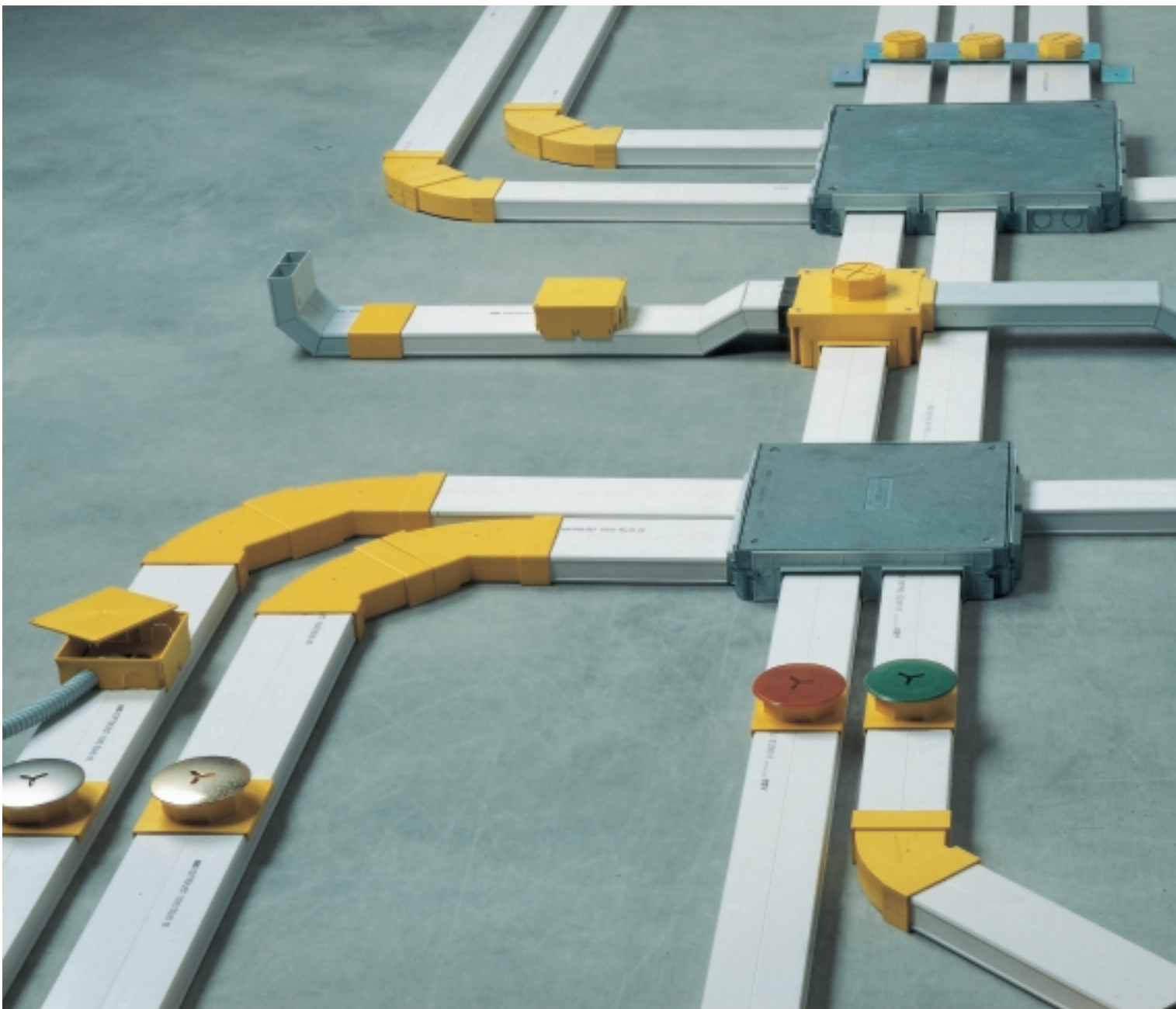
FLSP9027

Floor trunking systems
Scattoplast system

The main advantages of the Scattoplast system are the speed and economy of installation.

The plants created with Scattoplast components offer maximum safety and satisfy all the current Standards: in particular, the components comply with CEI 64-8 Standard.

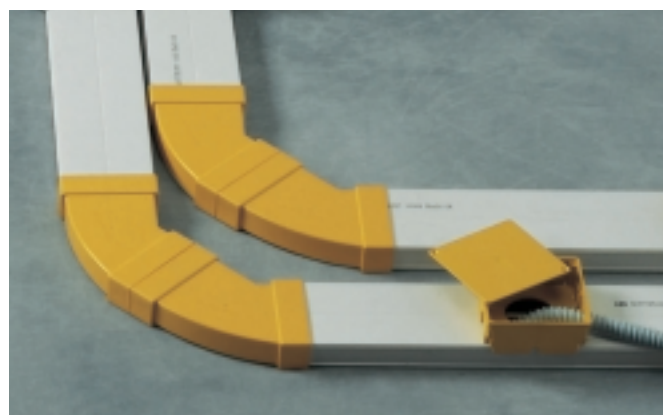Scattoplast trunkings can be connected to Underfloor through junction boxes art. 10 240 and 10 241. The Scattoplast system can also be easily connected to above-floor ducting (for example skirting board/dado trunking by ABB).

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Scattoplast 60x30 and 70x30 mm single compartment

Distribution trunking
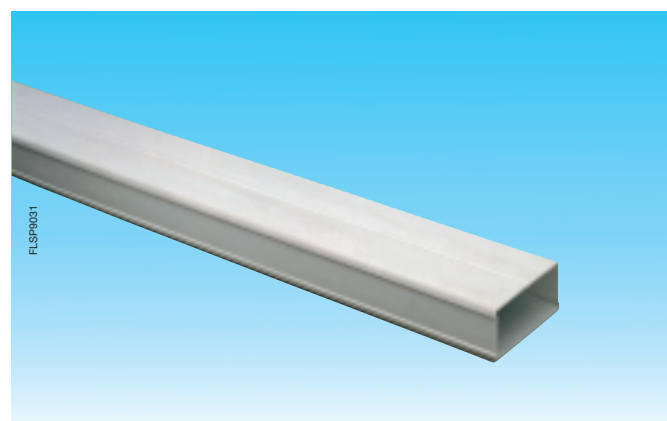
Trunking	Article	Length [m]	Colour	Packing/[m]
60 x 30	**10 001**	3	RAL 9016 white	54
	10 003	4,5	RAL 9016 white	54
	10 005	6	RAL 9016 white	54
70 x 30	**10 013**	3	RAL 9016 white	54
	10 015	4,5	RAL 9016 white	54
	10 017	6	RAL 9016 white	54

Distribution trunking with holes (on request)
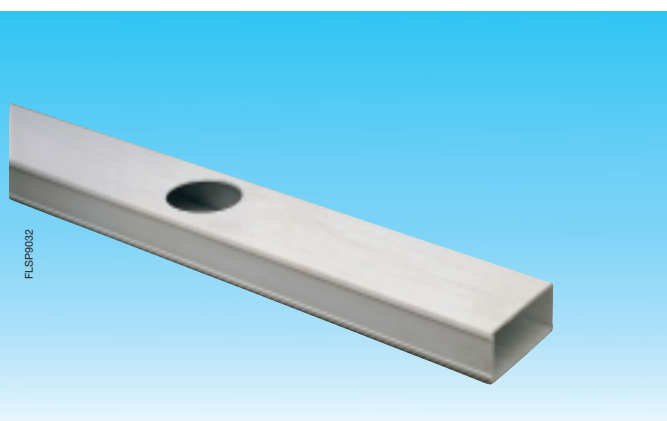
On request trunkings already drilled for housing glands can be supplied. See page 129 for ordering procedures.

90° riser bend

For connecting floor trunkings with wall-mounting trunkings.
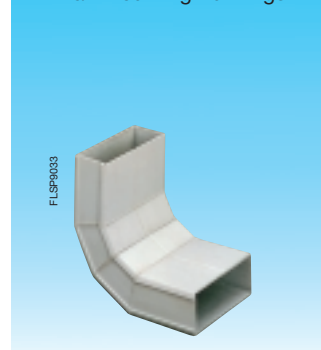
Trunking	Article	Colour	Packing
60 x 30	**10 110**	RAL 9016 white	50
70 x 30	**10 111**	RAL 9016 white	35

Can be combined with couplers
art. 10 101 trunking 60x30, art. 10 102 trunking 70x30

Trunking flyover

For passing over trunkings if they cross without connection between lines and for changing height.
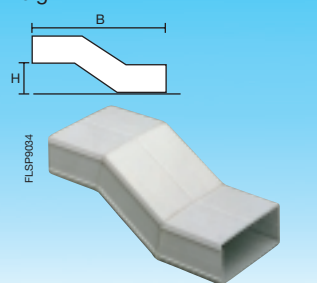
Trunking	Article	Colour	Packing
60 x 30	**10 115**	RAL 9016 white B=165 H=30	35
70 x 30	**10 116**	RAL 9016 white B=165 H=30	42

Trunking flyover
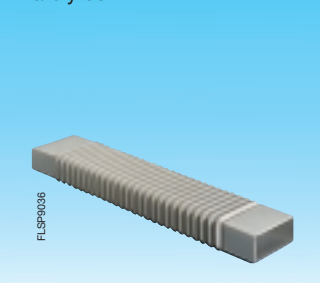
For passing over trunkings to be used with junction boxes art. 10 163 and art. 10 164.
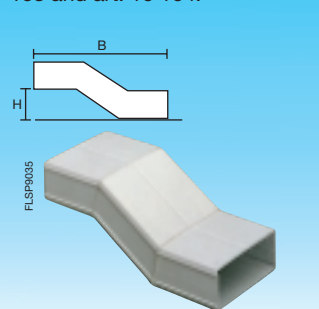
Trunking	Article	Colour	Packing
70 x 30	**10 117**	RAL 9016 white B=235 H=30	30
	10 118	RAL 9016 white B=385 H=30	12

Can be combined with coupler
10 102 trunking 70x30

Flexible joint

Suitable for use in areas subject to anti-seismic laws; allows a translatory motion of approximately 60°.

Trunking	Article	Colour	Packing
70 x 30	**10 157**	RAL 9016 white	10

Floor trunking systems
Scattoplast system

Coupler

For central choke to recover the thickness of the duct.

Trunking	Article	Colour	Box/Packing
60 x 30	**10 101**	RAL 1018 yellow	22/88
70 x 30	**10 102**	RAL 1018 yellow	20/80

45° flat angle bend

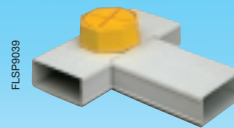Can be combined to obtain flat 90° bends or greater bends which are a multiple of 45°.

Trunking	Article	Colour	Box/Packing
60 x 30	**10 105**	RAL 1018 yellow	8/32
70 x 30	**10 106***	RAL 1018 yellow	8/32

* Complete with removable separator

Flat tee

Complete with cable gland and end cap.
Total height 55 mm.

Trunking	Article	Colour	Packing
60 x 30	**10 145**	RAL 9016 white	16
70 x 30	**10 146**	RAL 9016 white	14

Flat crossover

Complete with cable gland and end cap.
Total height 55 mm.

Trunking	Article	Colour	Packing
60 x 30	**10 150**	RAL 9016 white	8
70 x 30	**10 151**	RAL 9016 white	8

Can be combined with couplers
art. 10 101 trunking 60x30 and art. 10 102 trunking 70x30

End cap

Used to prevent water and agglomerates from entering the trunkings. Possibility of branch connection with 2 flexible Ø 25 mm conduits.

Trunking	Article	Colour	Box/Packing
60 x 30	**10 130**	RAL 1018 yellow	44/176
70 x 30	**10 131**	RAL 1018 yellow	40/160

Cable gland/Cap for cable gland

Complete with cap art. 10 136. Internal 2" GAS thread; total height 22 mm.
For floor branch connections, with flexible snap-on system to trunking.

Trunking	Article	Colour	Box/Packing
60 x 30	**10 135**	RAL 1018 yellow	16/64
70 x 30	**10 139**	RAL 1018 yellow	16/64
Spare cap	**10 136**	RAL 1018 yellow	90/360

Extension coupler for cable gland

Art. 10 137; height 18 mm.
Art. 10 138; height 30 mm.
It is possible to adjust the height of an extra 10 mm by adjusting the thread.

Trunking	Article	Colour	Box/Packing
60 x 30	**10 137**	RAL 1018 yellow	20/80
	10 138	RAL 1018 yellow	15/60
70 x 30	**10 137**	RAL 1018 yellow	20/80
	10 138	RAL 1018 yellow	15/60

Junction or distribution box

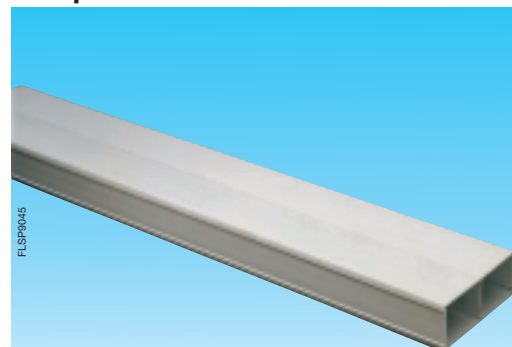Inlet from trunking and side outlet with corrugated conduit Ø 20 mm.
Union height 25 mm.

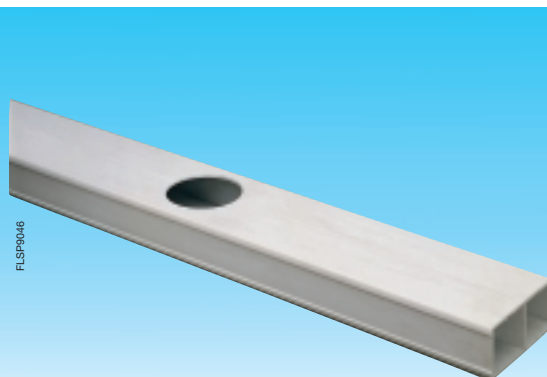| Trunking	Article	Colour	Packing
60 x 30	**10 155**	RAL 1018 yellow	24
70 x 30	**10 156**	RAL 1018 yellow	24

Scattoplast 70x30 and 95x30 mm with twin compartments

Distribution trunking with twin compartments

Distribution trunking with holes (on request)

Trunking	Article	Length [m]	Colour	Packing [m]
70 x 30	**10 031**	3	RAL 9016 white	54
	10 033	4,5	RAL 9016 white	54
	10 035	6	RAL 9016 white	54
95 x 30	**10 043**	3	RAL 9016 white	39
	10 045	4,5	RAL 9016 white	39
	10 047	6	RAL 9016 white	39

On request trunkings already drilled for housing glands can be supplied. See page 129 for ordering procedures.

90° riser bend *

For connecting floor trunkings with wall-mounting trunkings.

Trunking flyover *

For passing over trunkings when they cross without connection between lines and for changing height.
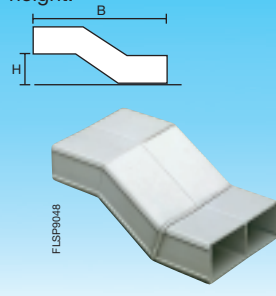
Trunking flyover*

For passing over trunkings to be used with junction boxes art. 10 163 and art. 01 64.
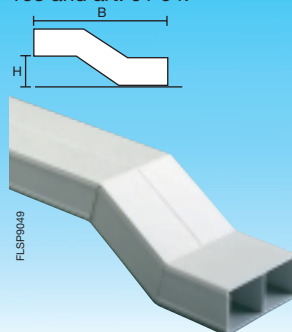
Flexible joint

Suitable for use in areas subject to anti-seismic laws; allows a transatory motion of approximately 60°.
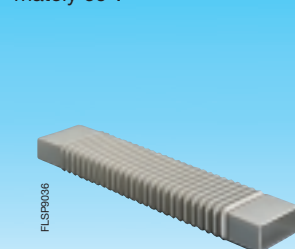
Trunking	Article	Colour	Packing
70 x 30	**10 112**	RAL 9016 white	35
95 x 30	**10 113**	RAL 9016 white	30

* Can be combined withcouplers art. 10 102 trunking 70x30, art. 10103 trunking 95x30

Trunking	Article	Colour	Packing
70 x 30	**10 119**	RAL 9016 white B=165 H=30	40
95 x 30	**10 122**	RAL 9016 white B=165 H=30	32

Trunking	Article	Colour	Packing
70 x 30	**10 120**	RAL 9016 white B=235 H=35	30
	10 121	RAL 9016 white B=385 H=35	15
95 x 30	**10 123**	RAL 9016 white B=235 H=35	28
	10 124	RAL 9016 white B=385 H=35	8

Trunking	Article	Colour	Packing
95 x 30	**10 158**	RAL 9016 white	10

Can be combined with coupler 10 103 trunking 95x30

Floor trunking systems
Scattoplast system

Coupler

For central choke to recover the thickness of the duct.

Trunking	Article	Colour	Box/Packing
70 x 30	**10 102**	RAL 1018 yellow	20/80
95 x 30	**10 103**	RAL 1018 yellow	15/60

45° angle bend

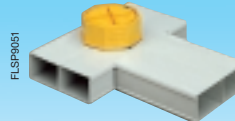Can be combined to obtain flat 90° bends or greater bends which are a multiple of 45°.

Trunking	Article	Colour	Box/Packing
70 x 30	**10 106**	RAL 1018 yellow	8/32
95 x 30	**10 107**	RAL 1018 yellow	6/24

Complete with removable separator

Flat tee

Complete with cable gland and end cap.
Total height 55 mm.

Trunking	Article	Colour	Packing
70 x 30	**10 147**	RAL 9016 white	16
95 x 30	**10 148**	RAL 9016 white	12

Flat crossover

Complete with cable gland and end cap.
Total height 55 mm.

Trunking	Article	Colour	Packing
70 x 30	**10 152**	RAL 9016 white	8
95 x 30	**10 153**	RAL 9016 white	8

Can be combined with couplers
art. 10 102 trunking 70x30 and art. 10 103 trunking 95x30

End cap

Used to prevent water and agglomerates from entering the trunkings.
Possibility of branch connection with 2 flexible Ø 25 mm conduits.

Trunking	Article	Colour	Box/Packing
70 x 30	**10 131**	**RAL 1018** yellow	40/160
95 x 30	**10 132**	**RAL 1018** yellow	30/120

Cable gland/Cap for cable gland

Complete with cap art. 10 136.
Internal 2" GAS thread; total height 22 mm.
For floor branch connections, with flexible snap-on system to the trunking.

Trunking	Article	Colour	Box/Packing
70 x 30	**10 139**	RAL 1018 yellow	16/64
95 x 30	**10 140**	RAL 1018 yellow	12/48
Spare cap	**10 136**	RAL 1018 yellow	90/360

Coupler for cable gland

Art. 10 137; height 18 mm.
Art. 10 138; height 30 mm.
It is possible to adjust the height of an extra 10 mm by adjusting the thread.

Trunking	Article	Colour	Box/Packing
70 x 30	**10 137**	RAL 1018 yellow	20/80
	10 138	RAL 1018 yellow	15/60
95 x 30	**10 137**	RAL 1018 yellow	20/80
	10 138	RAL 1018 yellow	15/60

Cable gland

Cable gland height 25 mm.
Complete with cap.

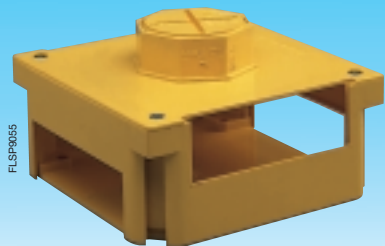| Trunking	Article	Colour	Box/Packing
95 x 30	**10 141**	RAL 1018 yellow	20/80

Junction boxes

Junction boxes for raised floor

Supplied with joint for combining at the side or diagonally.
Self-extinguishing plastic, shock-proof material.
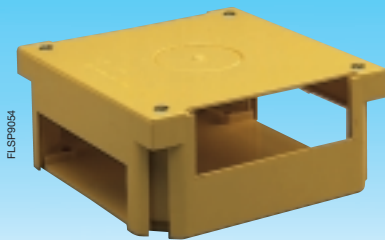
Article	Dimensions [mm]	Colour	Box/Packing
10 163	150x150x65	RAL 1018 yellow	1/9

Junction boxes for traditional floors

Supplied with joint for combining at the side or diagonally.
Complete with cable gland and end cap.
Self-extinguishing plastic, shock-proof material.

Article	Dimensions [mm]	Colour	Box/Packing
10 164	150x150x90	RAL 1018 yellow	1/9

Bulkheads for inserting in boxes art. 10 163 and 10 164

Self-extinguishing plastic, shock-proof material.
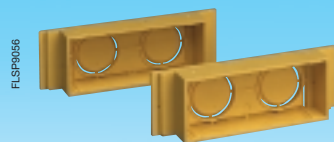
Article		Colour	Box/Packing
10 165	For trunkings 70x30 / cond. Ø25 mm	RAL 1018 yellow	45/180
10 166	For trunkings 90x30 / cond. Ø32 mm	RAL 1018 yellow	45/180

Floor trunking systems
Scattoplast system

Junction boxes-secondary branch connection

For raised floors, in self-extinguishing plastic, shock-proof material. Outlet for conduit Ø 20 mm. Snap-on connection with trunkings.

FLSP9024

Trunking	Article	Dimensions [mm]	Colour	Box/Packing
70x30	**10 160**	75x75x34	RAL 1018 yellow	12/48
95x30	**10 161**	95x95x34	RAL 1018 yellow	1/50

Junction boxes-main branch connection

For raised floors, in self-extinguishing plastic, shock-proof material. Can be used with trunkings section 70x30 and 95x30 mm.

FLSP9057

Article	Dimensions [mm]	Colour	Box/Packing
10 162	250x150x61	RAL 1018 yellow	1/9

Accessories and tools

2

Separator

For trunkings with an inter-axis of 118 mm in zinc-plated steel
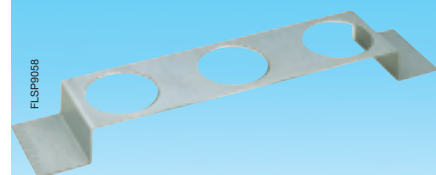
Article	Box/Packing
10 180	1/8

End cap for cable glands

Article	Material	Colour	Box/Packing
10 181	Plastic	neutral	24/96
10 182	Plastic	ochre	24/96
10 183	Plastic	green	24/96
10 184	Satin-finished shiny metal	brass	6/72
10 185	Satin-finished shiny metal	aluminium	6/72

Cutter for drilling Ø 2" trunkings

Article	Box/Packing
10 188	1/30

Tool for fixing end caps

Can be used with articles 10 181, 10 182, 10 183, 10 184, 10 185
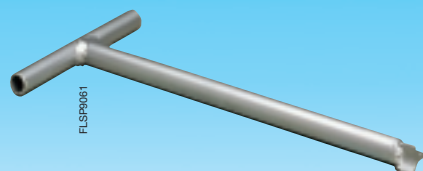
Article	Packing
10 187	20

Tool for fixing end caps art. 10 136 and ring nuts art. 10 530 / 10 1559

(see floor boxes accessories on pages 41-45-55)
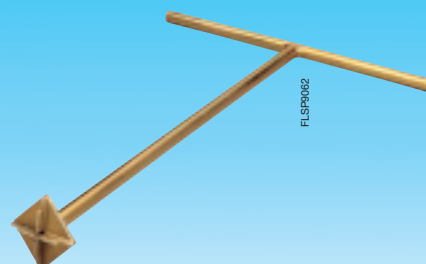
Article	Packing
10 186	1

ABB SACE

Index

3

Junction boxes
Silumin boxes

General

Junction boxes in Silumin alloy, suitable for applications in floor distribution systems, can be connected to all trunkings in the Scattoplast system through the bulkheads available. In addition to this possibility the bulkheads can also be used to connect directly to corrugated conduits (25 or 30 mm diameter).

Silumin boxes are supplied complete with an internal, transparent, plastic separator to divide the various circuits clearly and safely.

The boxes are fitted with screws used to make them level at 10 or 20 mm by a simple adjustment, depending on the article, making

Junction boxes
Silumin boxes

it possible to adjust the height of the box perfectly to the system's requirements.

The boxes also have a threaded pin (box 270x270x60 mm) or 4 threaded pins (400x400x57 mm) that, once attached to the lid, stop it bending and ensure that the support is even safer when walked over.

The lid supplied is suitable for use with carpets and linoleum. Brass or aluminium frames can be used to make these surfaces more attractive and lids are also available for floors covered in marble, wood or tiles. The boxes conform to the CEI 64-8 Standard.
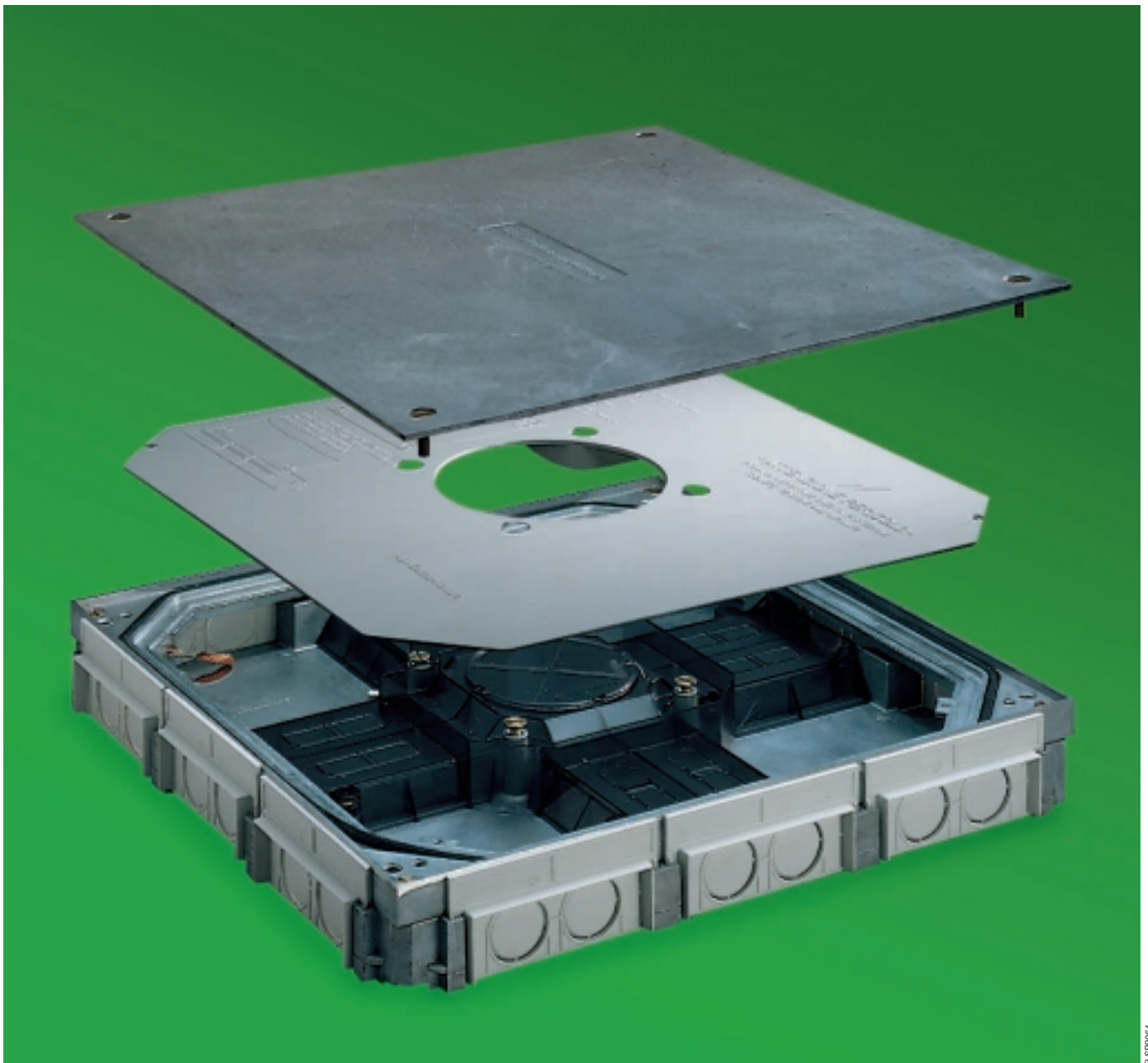
Technical details at page:	**6**/1
Overall dimensions at page:	**8**/16

Boxes

Junction box

In diecast Silumin complete with lid and adjustment screws for levelling (H = 56-66 mm); complete with internal, plastic separator for different circuits, Fitted with 4 bulkheads with 3 inlets for trunkings or conduits on each side; inter-axis 118 mm.
For trunkings with a section of 60x30, 70x30 and 95x30 mm.
The lid supplied is properly finished for floors covered in carpet and linoleum.

Article	Dimensions [mm]	Packing
10 170	400x400x56÷66	5

Junction box

In diecast Silumin complete with lid and adjustment screws for levelling (H = 60-80 mm); complete with internal, plastic separator for different circuits, Fitted with 4 bulkheads with 2 inlets for trunkings with a section of 95x30 mm (or for 4 corrugated conduits with a Ø of 30 mm on each side) and 4 side bulkheads for trunkings with a section of 70x30 mm (or for conduits with a Ø of 25 mm), inter-axis 100 mm.
The lid supplied is properly finished for floors covered in carpet and linoleum.

Article	Dimensions [mm]	Packing
10 171	270x270x60÷80	5

Frames for Silumin boxes

To finish-off the surfaces of floors in carpet/rubber. In casting with a glossy finish, complete with screws for fixing.
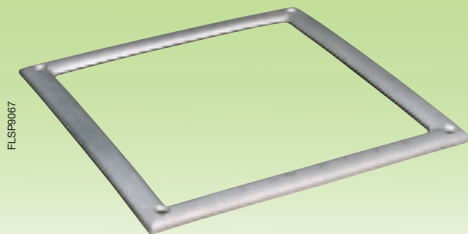
For box	Article	Dimensions [mm]	Material	Packing
10 171	**10 176**	282x282 (est.) - 240x240 (int.)	Brass	1
10 170	**10 178**	410x410 (est.) - 347x347 (int.)	Brass	1
10 171	**10 177**	282x282 (est.) - 240x240 (int.)	Aluminium	1
10 170	**10 179**	410x410 (est.) - 347x347 (int.)	Aluminium	1

Junction boxes
Silumin boxes

13 mm height lid

To finish-off the surfaces of floors in marble, tiles and wood.
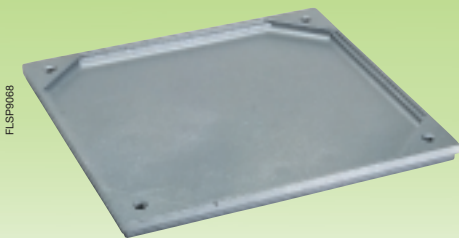
For box	Article	Dimensions	Packing
10 170	**10 172**	Depth compartment 8 mm	5
10 171	**10 174**	Depth compartment 8 mm	20

30 mm height lid

To finish-off the surfaces of floors in marble, tiles and wood.

For box	Article	Dimensions	Packing
10 170	**10 173**	Depth compartment 23 mm	8
10 171	**10 175**	Depth compartment 23 mm	10

General

The Metal boxes, made in Silumin alloy, are suitable for applications of a general type in floor distribution systems.

They are the only boxes fitted with inlets that make it possible to connect both trunkings and corrugated conduits (25 mm diameter) without the use of optional accessories.

The height of the box can range from 50 to 60 mm by means of a simple adjustment to the counter-frame, so that it can be lined up perfectly with the floor.

Metal boxes also allow electricity, telephone and data transmission lines to be kept completely separate from each other; they comply with the Telecom requirements and have been awarded Ministerial type approval ASST n. IT/90/TF/581. They also conform to CEI 64-8 Standard.

Not only are the Metal boxes extremely functional in underfloor sorting and branch connection thank to the inlets for both trunkings and corrugated conduits, but they can also be connected to Concept, Telec and Lusy floor boxes, as external branch connection terminals.

Junction boxes
Metal series boxes

Boxes

Silumin junction boxes

With inlets for conduits Ø 25 mm or Scattoplast trunkings 70x30 mm (on the longest sides). Inter-axis 110 mm. Longitudinal separator in plastic, transparent, self-extinguishing material. Adjustable counter-frame (H 50-60 mm).
Complete with water-proof rubber seal, temporary lid in plastic and plugs for closing unused holes.

FLSP9075

Article	Dimensions [mm]	Box/Packing
10 401	300x180x50÷60	1/10

Accessories

Final, semi-lid for disabled boxes

For closing an electrical or telephonic compartment. In Silumin with embedded housing (3 mm) and wire-covering edges for marble and tile floors. Supplied with earth screw and 4 fixing screws.

FLSP9076
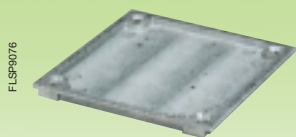
Article		Box/Packing
10 411	(depth of compartment 3 mm)	20/40

Final, semi-lid for disabled boxes

With flat housing for floors covered in carpet, linoleum or rubber. Supplied with earth screw and 4 fixing screws.

FLSP9077
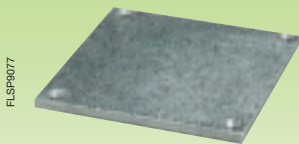
Article	Box/Packing
10 412	20/80

Wire-covering plate for disabled boxes

For floors covered in carpet or rubber, supplied with screws for fixing to the box. To be used with semi-covers art. 10 412.

FLSP9078

Article	Material	Dimensions [mm]	Box/Packing
10 413	Matt, satin-finish brass	258x138	10/40
10 414	Glossy, satin-finish steel	258x138	10/40

3

Junction boxes
Multifunctional Multiplast system

General

The multifunctional Multiplast junction boxes have been specifically designed for installation in raised floors and, compared with other boxes with similar application, have a group of technical features that extend their functions, making it possible, among other things, to fit modular protection devices and modular branch connection devices easily available on the market (Schuko sockets, sockets with a central earth wire and the like).
Type approval: IT/91/TF/034.
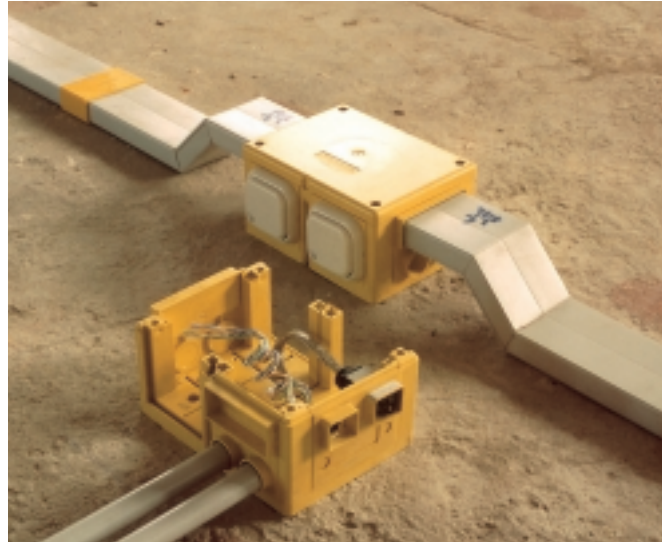
Technical details at page:	**6**/1
Mounting examples at page:	**7**/4
Overall dimensions at page:	**8**/19
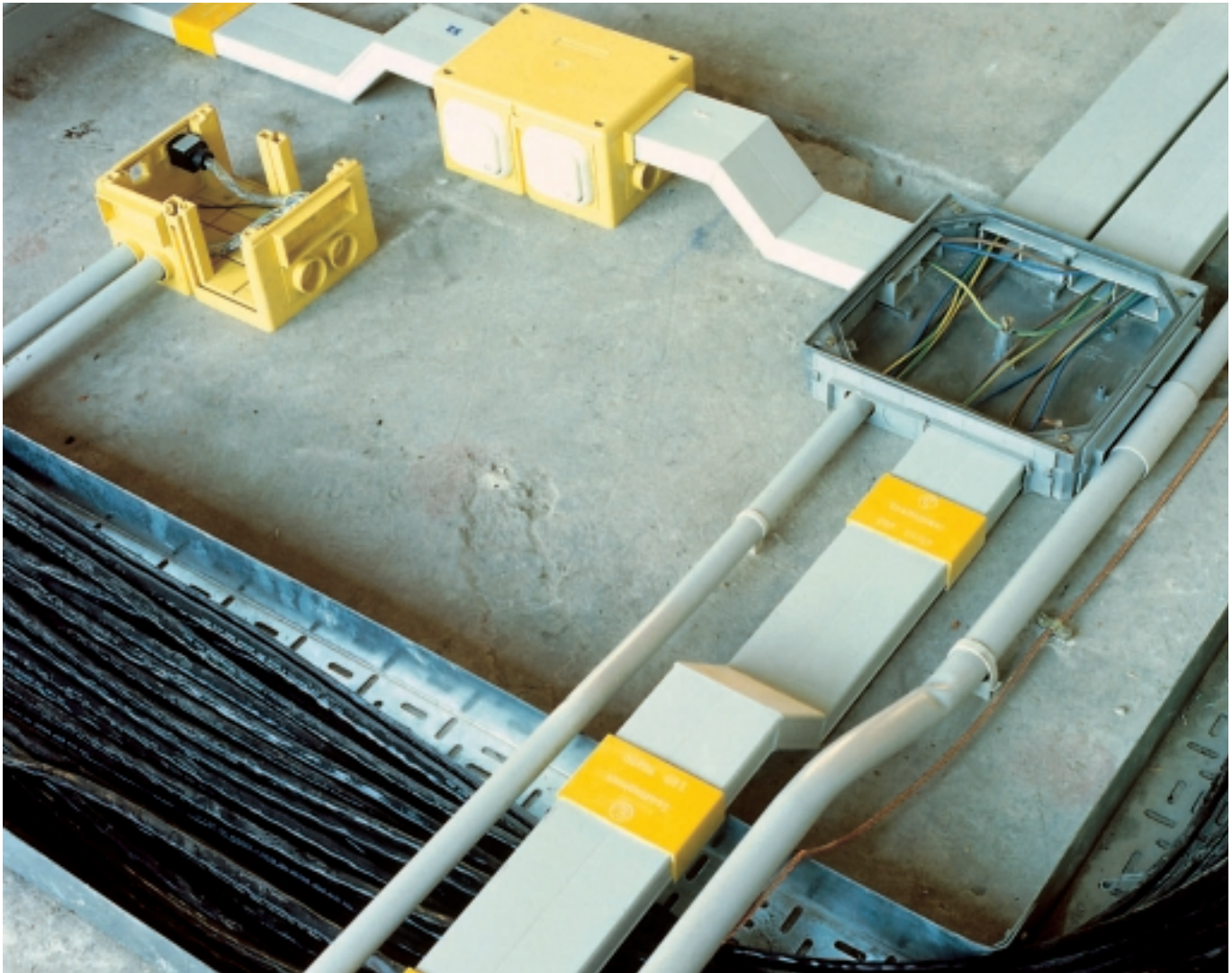
Boxes

In the pictures on the previous page you can see removable front and side plates with knockout holes and hollows for connecting corrugated conduits and trunkings.

The removable plates fitted with knockout inlets can be replaced by accessories that extend the functions of the box, for example:

- support mounting plate for three modular sockets (e.g. Vimar 8000/Idea) and for two Schuko socket combinations of the BU-SCH-E 2000 series by ABB SACE; the frame is fitted on the shorter side of the box

- mounting plate with knockout holes for fitting EDP connectors (Canon, BNC co-axial, IBM etc.); the plate can be fitted on the shorter side of the box

- mounting plate for fitting telephone sockets, Schuko sockets in the BUSCH-E-2000 series by ABB SACE and other modular sockets (maximum 2 units) easily available on the market; the plate can be fitted instead of one of the two input plates on the longer side of the box.

The base of the box has been designed with five grooves so that DIN rails (for modular equipment) and terminal boards can be fitted, using self-tapping screws.

The boxes are made in self-extinguishing technopolymer with IP 52 protection degree, in RAL 1018 yellow; the lid is snap-on fitting with 4 screws.

It is possible to combine the distribution of electricity and services (telephones, EDP, auxiliaries) by using more than one multifunctional box and by separating the internal compartments.

Multifunctional box

Complete with lid and central separator.

FLSP9081
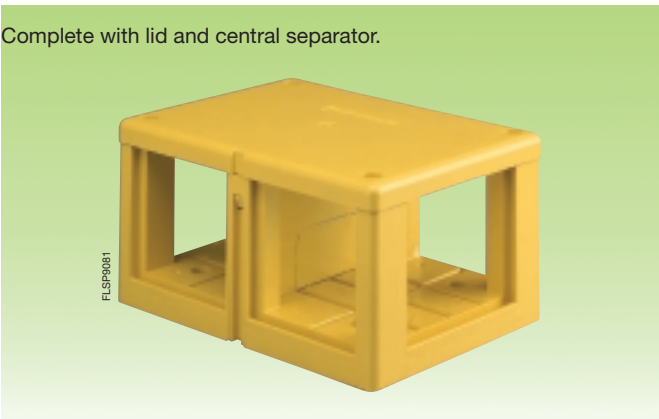
Article	Dimensions [mm]	Colour	Box/Packing
10 301	215x160x116	RAL 1018 yellow	1/11

Accessories for the shorter side

Mounting plate for electric devices	**Mounting plate for EDP connectors (IBM, BNC, CANNON)**	**Mounting plate for trunkings section 70x30 mm Scattoplast system and conduit Ø 32 mm**
Makes it possible to fit 3 modular sockets (e.g. Vimar 8000/Idea) or 2 Schuko sockets of the Busch-E 2000 series.	The bracket art. 10 552 (see TELEC floor box accessories) must be used when fitting EDP CANNON sockets.	
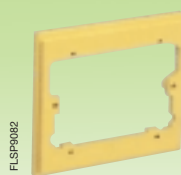
Article	Colour	Box/Packing
10 311	RAL 1018 yellow	48/192
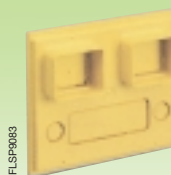
Article	Colour	Box/Packing
10 312	RAL 1018 yellow	24/96

Article	Colour	Box/Packing
10 319	RAL 1018 yellow	18/72

Accessories for the longer side

Mounting plate for telephone connectors and electric devices	**Mounting plate for trunkings section 70x30 mm Scattoplast system and/or conduit Ø 25 mm**	**Mounting plate for 6-pole sockets**
Makes it possible to fit 2 modular sockets (e.g. Vimar 8000/Idea), 1 telephone socket or 1 Schuko socket of the Busch-E 2000 series.		

Article	Colour	Box/Packing
10 313	RAL 1018 yellow	16/64

Article	Colour	Box/Packing
10 317	RAL 1018 yellow	24/96

Article	Colour	Box/Packing
10 325	RAL 1018 yellow	48/192

Junction boxes
Multifunctional Multiplast system

Mounting plate for trunkings section 95x30 mm Scattoplast system and conduit Ø 32 mm

Article	Colour	Box/Packing
10 320	RAL 1018 yellow	18/72

Mounting plate for 6-pole sockets

Article	Colour	Box/Packing
10 326	RAL 1018 yellow	48/192

Large, blank plate

Article	Colour	Box/Packing
10 323	RAL 1018 yellow	48/192

Mounting plate for EDP, BNC/IBM connectors

Article	Colour	Box/Packing
10 314	RAL 1018 yellow	24/96

Mounting plate for EDP, CANNON/BNC connectors

The bracket art. 10 552 (see TELEC floor box accessories) must be used when fitting EDP CANNON sockets.

Article	Colour	Box/Pacingk
10 315	RAL 1018 yellow	48/192

Mounting plate for telephone connectors TNT/RJ45

Article	Colour	Box/Packing
10 316	RAL 1018 yellow	48/192

Small, blank plate

Article	Colour	Box/Packing
10 322	RAL 1018 yellow	48/192

Other accessories

Protection for electric services

FLSP0095
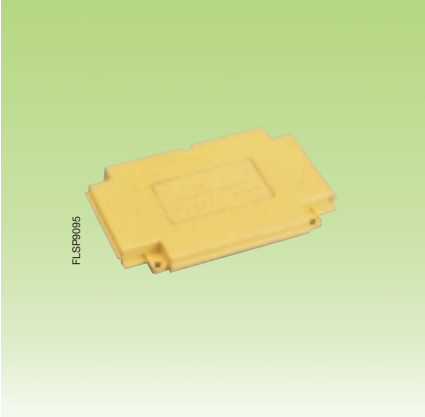
Article	Colour	Box/Packing
10 324	RAL 1018 yellow	18/72

Coupler for trunkings

Trunking section 70x30 mm Scattoplast system.

FLSP0096

B

H

FLSP0001
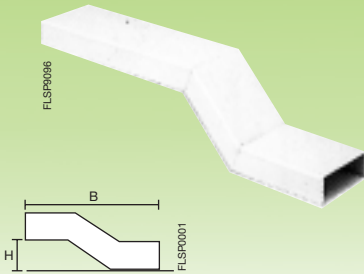
Article	Colour	Packing
10 318	RAL 9016 white B=400 H=65	9

Coupler for trunkings

Trunking section 95x30 mm Scattoplast system.

FLSP0097

B

H

FLSP0002
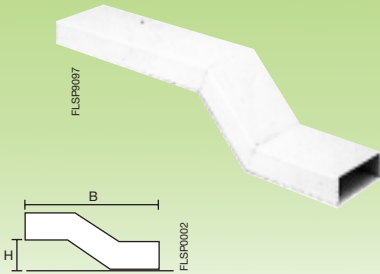
Article	Colour	Packing
10 321	RAL 9016 white B=400 H=65	10

ABB Floor boxes and desk service units

Index

4

General

The new Lusy floor boxes presented by ABB perfectly integrate with distribution systems and can accommodate electrical sockets from all the main manufacturers on the market, satisfying the requirements of the most demanding designer and installer.

The box has been designed so that it can be easily combined with the Scattoplast and Underfloor distribution systems both for traditional and for raised floors; it can also be used with trunkings for above-floor installation.

Many underfloor connection possibilities are given: to cable glands using ring nuts, to junction boxes (Metal series) via bases, by attaching the bases directly to the floor. All designed for easy, rapid and convenient installation.

Plastic component are made in ABS; colour RAL 7021 darkgrey.

The front of the box can accommodate devices at a variable angle and this is a considerable advantage for the user when inserting plugs. Designed for the installation of devices on one side only, the Lusy boxes have lateral modularity, even with opposite devices. Up to a maximum or three boxes can be installed side

FLSP9098

Floor boxes and desk service units
Lusy floor boxes

by side, for inter-axes of 118 mm and 124 mm and up to two floor boxes for an inter-axis of 100 mm.

There are two types of floor boxes: for 2-unit frames and plates and for 4-unit frames and plates of all makes. A very wide flexibility in terms of combinations, therefore, that makes it easier to adapt the plant to the actual requirements of the user. The product also has great mechanical strength so that is has excellent resistance to shocks.

Lusy floor boxes are designed to be fitted with a bulb whose function is to warn of the presence of the box itself; the bulb is of the standard type used on civil sockets (for example the Vimar bulb art. 10 490). Lusy floor boxes are extremely attractive and this makes them even easier to install in any kind of architecture or interior. Moreover, to guarantee maximum safety all the bases have been fitted with double seals so that there is IP 52 degree of protection between the box and the floor.

They conform with CEI 64-8 Standard.

FLSP9099

FLSP9100

FLSP9101

Technical details at page:	**6**/1
Mounting examples at page:	**7**/5
Overall dimensions at page:	**8**/20

Floor boxes

2-unit floor boxes

Floor boxes for 2-unit frame and plates of all makes and for civil sockets such as the BUSCH JAEGER type inter-axis 60 mm.

FLSP9102
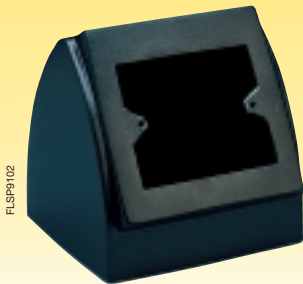
Article	Dimensions [mm]	Colour	Packing
10 505	W 105 D 110÷120 H 110÷123	RAL 7021 darkgrey	1

4-unit floor boxes

Floor boxes for 4-unit frame and plates of all makes (int. 108 mm). It is possible to combine up to 3 boxes respecting the inter-axes of 100 (only 2 floor boxes), 118 and 124 mm.

FLSP9103
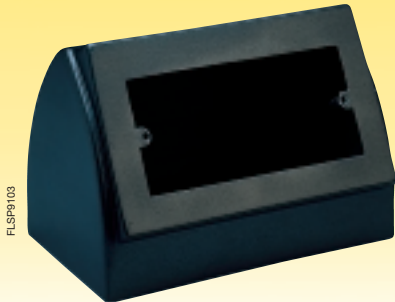
Article	Dimensions [mm]	Colour	Packing
10 506	W 160 D 110÷120 H 115÷128	RAL 7021 darkgrey	1

4

Accessories

Support for Metal series boxes

Article		Box/Packing
10 533	For 2 or 4-unit floor box	6/24

Ring nut Ø 2"x30 mm

For fixing supports.
Articles 10 526/10 527/
10 528/10 529.

Article	Box/Packing
10 530	20/80

Ring nut Ø 2"x50 mm

For fixing supports.
Articles 10 543 and 10 545.

Article	Box/Packing
10 559	10/40

General

Concept floor boxes have been designed with the maximum attention for all those requirements that make its use safer and more reliable.

For this reason each of the two sides of the tower can accommodate up to 4 modular units, making it possible to mount a differential magneto-thermal protection alongside each socket (including Schukos). Sockets can also be fitted for the telephone, data processing and auxiliary services; an internal separator keeps the different circuits separate.

Further important characteristics of this type of floor boxes are its

design and its mechanical structure that make it particularly easy to fit.

In fact the cover snaps onto the structure after the equipment has been easily cabled and after the structure itself has been attached to the base using the supplied screws.

Concept floor boxes are made in self-extinguishing technopoly-mer, a material that guarantees very high safety levels thanks to its specific self-extinguishing characteristics.

Concept towers guarantee IP 54 degree of protection between the base and the floor and conform to CEI 64-8 Standard.

FLSP9108

Technical details at page:	**6**/1
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Floor boxes

4+4 unit floor boxes

Floor boxes for 4-unit frames and plates of all makes (int. 108 mm).
Both boxes are fitted with 2 hole-covering plugs and 1 compartment
cover.

FLSP9109
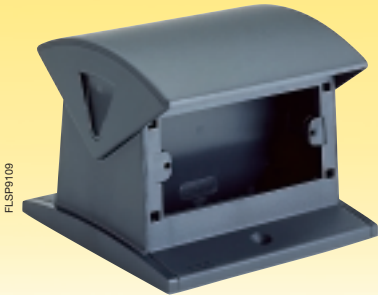
Article	Dimensions [mm]	Colour	Box/Packing
10 501	WxDxH 155x155x120	graphite	1/15
10 502	WxDxH 155x155x120	grey	1/15

Accessories

Compartment cover

Article	Colour	Box/Packing
10 520	graphite	20/80
10 521	grey	20/80

Adapter for mounting 3 units (int. 83.5 mm)

Article	Colour	Box/Packing
10 522	graphite	20/80
10 523	grey	20/80

Support for Metal series boxes

Both supports are complete with screws and seal.
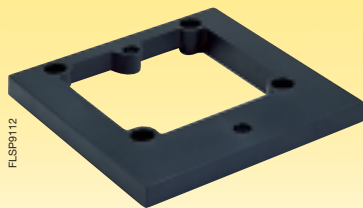
Article	Colour	Box/Packing
10 524	graphite	6/24
10 525	grey	6/24

4

Support for Scattoplast

Both supports are complete with screws and seal.
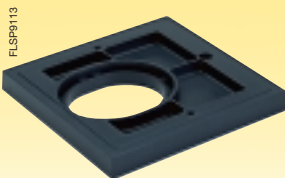
Article	Colour	Box/Packing
10 526	graphite	6/24
10 527	grey	6/24

Support for box articles 10 163, 10 164 (Scattoplast system)

Both supports are complete with screws and seal.
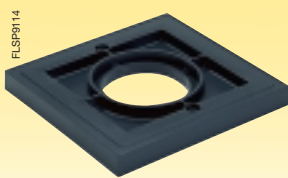
Article	Colour	Box/Packing
10 528	graphite	6/24
10 529	grey	6/24

Ring nut Ø 2"x30 mm

For fixing supports.
Articles 10 526/10 527/
10 528/10 529.

Article	Box/Packing
10 530	20/80

Ring nut Ø 2"x50 mm

For fixing supports.
Articles 10 526/10 52/
10 528/10 529.

Article	Box/Packing
10 559	10/40

General

Telec floor boxes are highly modular making them suitable for the branch connection of a large number of electrical and telephonic services.

Two different kinds are available, designed respectively for electrical services and telephonic and auxiliary services; both are made in self-extinguishing thermoplastic, fitted with special rubber seals that provide IP 54 degree of protection in the mechanical con-

Floor boxes and desk service units
Telec floor boxes

nection to the floor.

They conform to CEI 64-8 Standard.

The attractive appearance of the Telec floor boxes means that they can fit harmoniously into different work environments; they

can be used as branch connection terminals with the Scattoplast systems as well as with the Metal and Incaplast series boxes.

FLSP9116

Floor boxes

3+3 unit floor boxes for electrical services

In self-extinguishing plastic. Designed to accommodate 2 supports for all makes of sockets (int. 83.5 mm) up to a maximum of 3+3 sockets or up to a maximum of 4 Schuko BUSCH E 2000 series sockets. Supplied with M6 screws for fixing to the support and a blank cover to attach to the disabled side.

FLSP9117

Article	Dimensions [mm]	Colour	Box/Packing
10 510	135x125x120	brown	1/10
10 512*	135x125x120	grey	1/10

* Body without scoring

Floor boxes for telephone and auxiliary services

In self-extinguishing plastic. Designed to use with two standard telephone connectors and an accessory to accommodate various types of sockets for EDP or a jack for an inter-phone system or a telephone socket. The floor box is supplied with M6 screws for fixing to the support.

FLSP9118
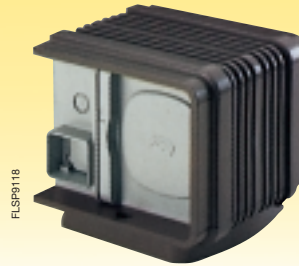
Article	Dimensions [mm]	Colour	Box/Packing
10 511	135x125x120	brown	1/10
10 513*	135x125x120	grey	1/10

* Body without scoring

Supports for electrical units

Make it possible to transform floor boxes for telephone and auxiliary services art. 10 511 and 10 1513 into floor boxes for electrical services art. 10 510 and 10 512. Complete with compartment cover.

FLSP9119
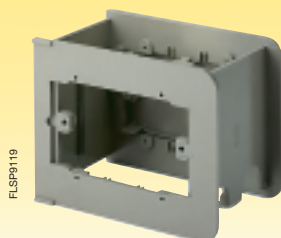
Article	Colour	Box/Packing
10 540	brown	1/18
10 541	grey	1/18

Accessories

Supports in painted Silumin

Complete with waterproof rubber side seal for sealing at floor level and two waterproof seals to be inserted between the support and the box. For Metal series box art. 10 401.
Supplied with screws for fixing to the box.

FLSP9120
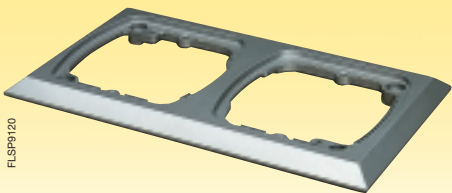
Article	Box/Packing
10 542	1/20

Support in painted Silumin for three floor boxes

Complete with waterproof rubber side seal for sealing at floor level. Three waterproof seals to be inserted between the support and the box. For Scattoplast trunkings with inter-axis of 100 mm.

FLSP9121
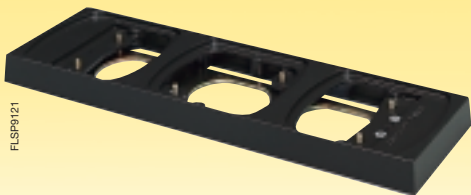
Article	Box/Packing
10 547	1/10

Support in plastic

With side hole for Scattoplast system. Complete with waterproof rubber side seal for sealing between the support and the box. Supplied with 1 connector plate to prevent the tower from rotating.

FLSP9122
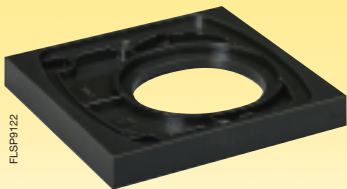
Article	Colour	Box/Packing
10 543	brown	6/24
10 544	grey	6/24

Support in plastic

Support with side hole.

FLSP9123
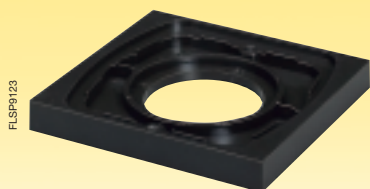
Article	Colour	Box/Packing
10 545	brown	6/24
10 546	grey	6/24

4

Accessories

Support in painted Silumin

Complete with waterproof rubber side seal for sealing at floor level and two waterproof seals to be inserted between the support and the box. For Incaplast box, or for ABB G 9305/4 box (currently out of production). Supplied with screws for fixing to the box and 2 M6 x 20 screws for connecting to the Telec 10 510 or 10 511.

FLSP9124
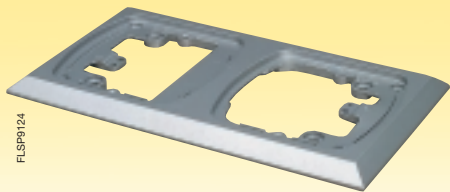
Article	Box/Packing
10 548	1/20

Cover in Silumin for art. 10 542 and art. 10 548 supports

To be used if only one box is enabled. Supplied with 2 M6 screws for fixing to the support.

FLSP9125
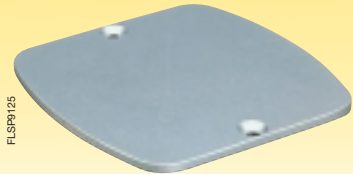
Article	Box/Packing
10 549	20/80

Mounting plate for TNT/RJ connectors on Telec floor boxes 10 510 and 10 512

Complete with screws for fixing to the box in self-extinguishing technopolymer.

FLSP9126

Article	Colour	Box/Packing
10 553	beige	10/120

Mounting plate for BNC and TNT/RJ connectors on Telec floor boxes 10 510 and 10 512

Complete with screws for fixing to the box in self-extinguishing technopolymer.

FLSP9127

Article	Colour	Box/Packing
10 554	beige	10/120

Mounting plate for IMB and TNT/RJ connectors on Telec bloor boxes 10 510 and 10 512

Complete with screws for fixing to the box in self-extinguishing technopolymer.

FLSP9128

Article	Colour	Box/Packing
10 555	beige	5/60

Floor boxes and desk service units
Telec floor boxes

Support for Metal series boxes

In plastic; for mounting a Telec box.

FLSP9129
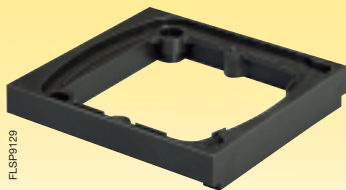
Article	Colour	Box/Packing
10 550	grey	6/24
10 551	brown	6/24

Mounting plate for EDP CANNON connector

In zinc-plated sheeting complete with 2 screws for fixing Telec boxes art. 10 511 and art. 10 513 onto the EDP compartment.

FLSP9130

Article	Box/Packing
10 552	50/600

2 bipolar Schuko sockets combination with earth 10/16 A, 250 V

FLSP9131

Article	Colour	Box/Packing
10 557	brown	4/16

Telemix-60

In black painted sheeting, for Telecom 1+1 terminal block to be fixed to Telec boxes art. 10 511 and 10 513.

FLSP9132

Article	Box/Packing
10 558	10/40

Telemix-60-P

The same as Telemix-60; angled at 90°.

FLSP9133
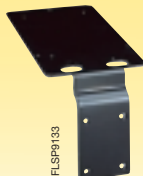
Article	Box/Packing
10 560	1/40

Ring nut Ø 2"x30 mm

For fixing support.
Art. 10 543/10 544 and 10 545/10 546 .

FLSP9105

Article	Box/Packing
10 530	20/80

Ring nut Ø 2"x50 mm

For fixing support.
Art. 10 543/10 544 and 10 545/10 546.

FLSP9106

Article	Box/Packing
10 559	10/40

General

Multivert desk service units are a handy system for connecting utilities to the respective distribution circuits under the floor; they have an excellent design and, above all, are highly functional.

The body of the tower is, in fact, divided into 4 sections, to serve several work stations, and allows a large number of branch connection, control and protection devices to be installed, according to the specific requirements of the user.

MCBs and other modular components, ABB BUSCH-E 2000 and all types of modular electric sockets on the market (for example, Vimar IDEA series) can be inserted as well as the various connectors for EDP and telematic services.

Each of the 4 sectors making up the desk service unit can be equipped according to the actual needs of the work post it serves; moreover, because it has been designed to accommodate MCBs, each unit can be fitted with the appropriate system protections for the work stations with which it is combined.

If necessary, this makes it possible to switch the power supply to the utilities on and off, without having to use centralised electrical control panels.

FLSP9134

FLSP9135

FLSP9136

Technological and application characteristics

The functions of each work post can be personalised by mounting various types of modular panels onto the tower depending on the requirements (3 panels for each enabled side).

In addition to the panels already available, the user can also ask for panels to be perforated according to specific needs.

All the materials selected for the desk service unit components have been carefully selected.

The wiring accessories panels are made in extruded anodised aluminium, the bases and covers are in di-cast anodised aluminium. The cover is in technopolymer, a material that is without halogens and with a self-extinguishing level of UL 94-V0.

The base is fitted with a special rubber seal that gives IP 54 degree of protection to the mechanical connection of the desk service unit with the floor.

Multivert desk service units can be combined with the Scatto-plast system, both in raised and traditional floors, and to the Underfloor system.

Multivert desk service units conform to CEI 64-8 Standard.

Desk service units

Desk service units

Supplied with:
- 4 screws and 4 nuts
- earth cables
- template for drilling the floor

FLSP9138

Article	Dimensions [mm]	Colour	Packing
10 601	600x245	graphite	1

4

FLSP9137

Technical details at page:	**6**/1
Mounting examples at page:	**7**/12
Overall dimensions at page:	**8**/25

Modular panels (3 for every side of the unit)

4

Panel for telephone connectors

Complete with earth cable.

FLSP9139

Article	Colour	Box/Packing
10 611	aluminium	15/45

Panel for modular wiring accessories (max 3)

Complete with earth cable.

FLSP9140

Article	Colour	Box/Packing
10 612	aluminium	15/45

Panel for modular wiring accessories (max 4)

Complete with earth cable.

FLSP9141

Article	Colour	Box/Packing
10 613	aluminium	15/45

Panel for 1 BUSCH-E 2000 device

Complete with earth cable.

FLSP9142

Article	Colour	Box/Packing
10 616	aluminium	15/45

Panel for BUSCH-E 2000 devices (max 2)

Complete with earth cable.

FLSP9143

Article	Colour	Box/Packing
10 617	aluminium	15/45

Panel for modular DIN rail components (5 modules)

Complete with earth cable.

FLSP9144

Article	Colour	Box/Packing
10 614	aluminium	15/45

Blank panel

Complete with earth cable.

FLSP9145

Article	Colour	Box/Packing
10 615	aluminium	15/45

Accessories

Internal closing panel

FLSP9146

Article	Colour	Packing
10 618	aluminium	1

MCBs protection cover (max 5 modules)

For panel art. 10 614.

FLSP9147

Article	Colour	Box/Packing
10 620	grey	10/40

4

General

Undernet floor boxes are suitable for installation in floors or false ceilings and for traditional installations (using a special, flush-mounting metal box). Cables are input through knockouts and rubber cable-ways which prevent direct stress to the devices.

In spite of the small size of these boxes, circuits are separated and any kind or make of device can be connected. The boxes are available in two models that can contain, respectively, 10 or 16 of

the new generation devices on the market.

Available with two types of covers, an empty one onto which carpet or linoleum can be applied (5 mm deep) and one finished in square-patterned stainless steel, the new boxes fit into any style of décor. Undernet floor boxes do not hinder the free movement of people in a room and make it easier to change the lay-out of offices. Thanks to the design of the supports for devices that are slightly angled at 15°, it is even simpler and easier to connect utilities. The cover, that can be easily removed for cabling purpo-

ses, can be opened with a tool and closes on its own (in compliance with CEI 64-8 Standards) to prevent danger to the movement of people.
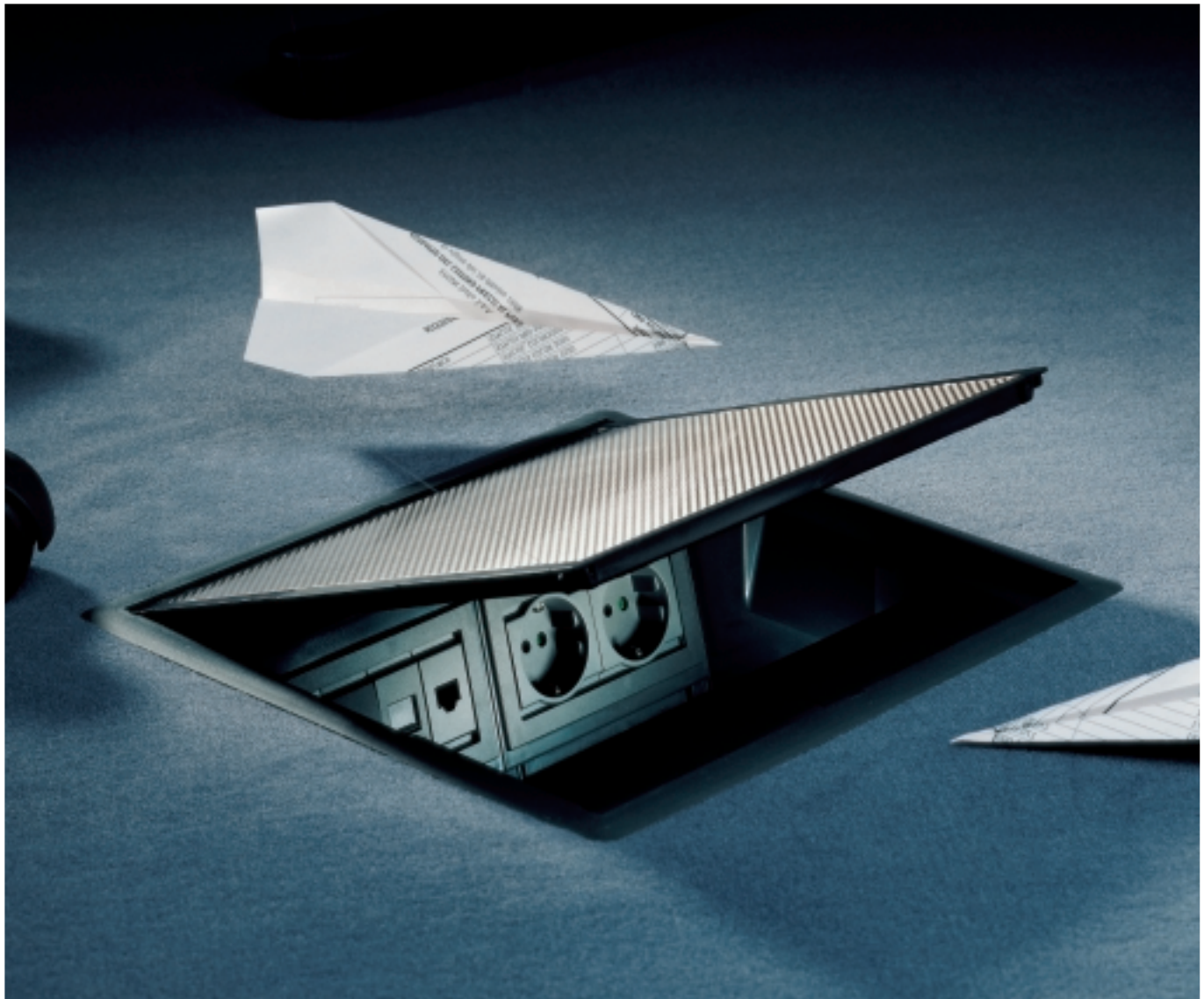
IP 52 degree of protection between the box and the floor is ensured by a safety seal that also makes installation faster and safer for the technician; IP 4X is the degree of protection on the edge of the cover and IP 2X at the point where the cables enter. The cover has a resistance of over 1500 N under DIN VDE 0364 Standards. The RAL 7021 darkgrey-coloured floor boxes are made in

self-extinguishing technopolymer with high safety levels and are resistant to the chemical agents present in the main detergents on the market. Solidly and strongly built in every detail, they can be reliably used for all types of devices even in very severe operating conditions.
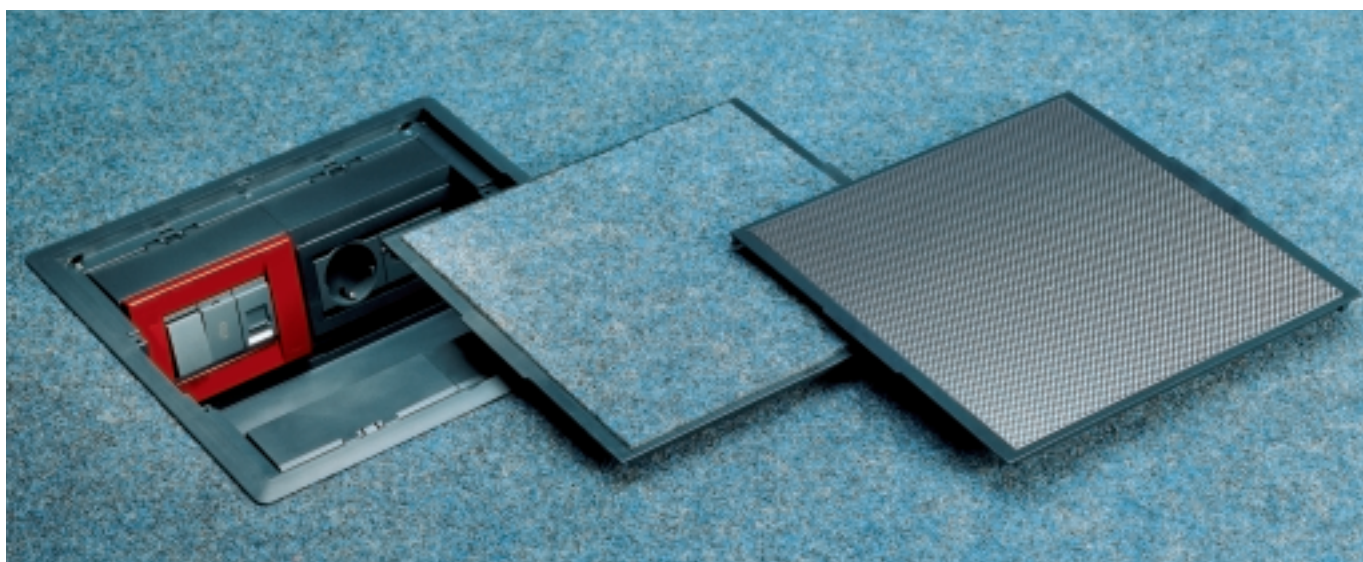
4
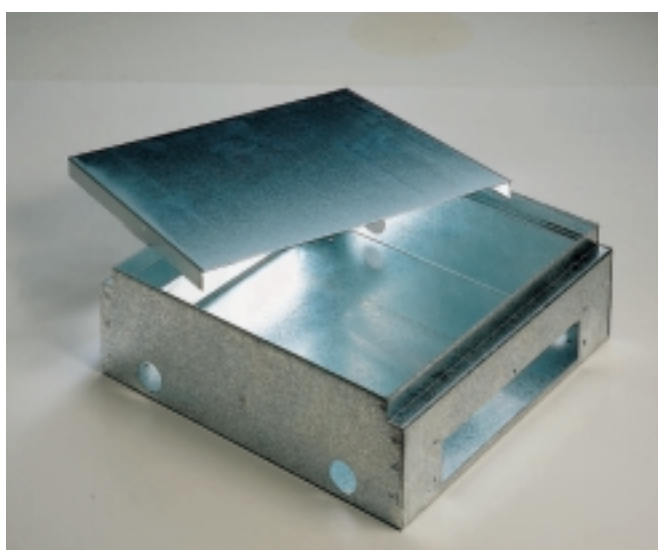
FLSP9149

FLSP9150

| Technical details at page: | **6**/1 |
| Overall dimensions at page: | **8**/27 |

Floor boxes

Boxes for 10 devices

Colour RAL 7021 darkgrey.
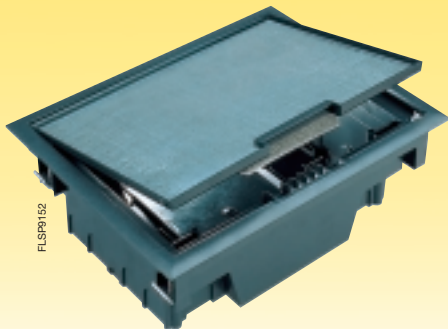
Article	Dimensions [mm]	Slot	Cover	Packing
10 902	WxDxH 300x235x100280x211		hollow	1
10 903	WxDxH 300x235x100280x211		steel	1

Boxes for 16 devices

Colour RAL 7021 darkgrey.
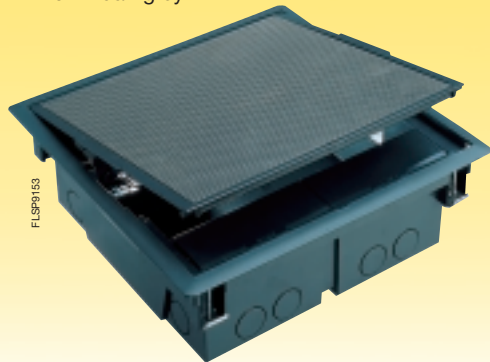
Article	Dimensions [mm]	Slot	Cover	Packing
10 900	WxDxH 300x310x100280x285		hollow	1
10 901	WxDxH 300x310x100280x285		steel	1

Accessories for 10 devices Undernet floor boxes art. 10 902 and art. 10 903

Universal support for 3 modular devices
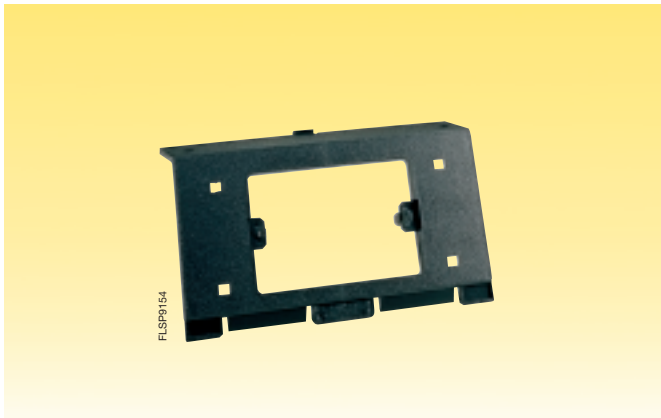
Article	Colour	Box/Packing
10 918	RAL 7021 darkgrey	6/24

Universal support for 4 modular devices
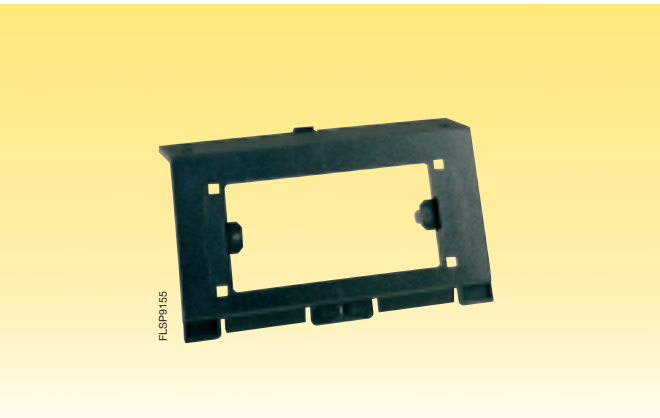
Article	Colour	Box/Packing
10 919	RAL 7021 darkgrey	6/24

Universal support for 5 modular devices
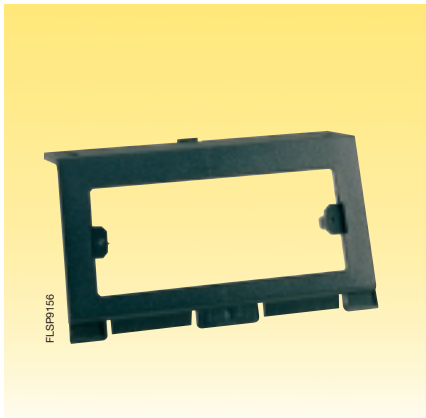
Article	Colour	Box/Packing
10 920	RAL 7021 darkgrey	6/24

Plate support for 5 Vimar 8000/BTicino Magic

Complete with finishing plate.
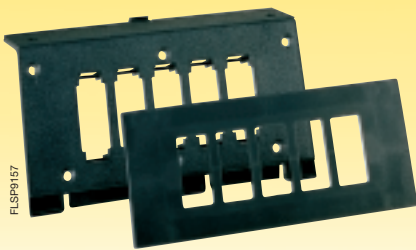
Article	Colour	Box/Packing
10 925	RAL 7021 darkgrey	6/24

Plate support for 3 devices + 1 Schuko Bticino Magic

Complete with finishing plate.
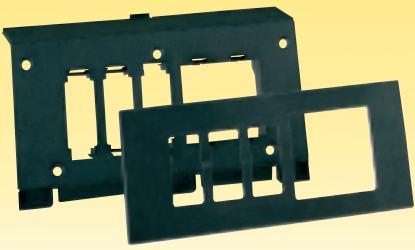
Article	Colour	Box/Packing
10 926	RAL 7021 darkgrey	6/24

4

Plate support for 1 device + 2 Schuko Bticino Magic

Complete with finishing plate.

FLSP9159
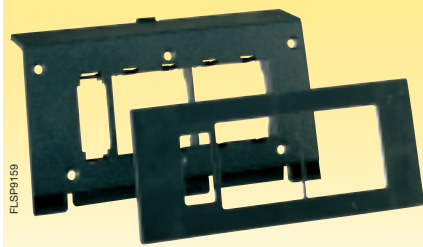
Article	Colour	Box/Packing
10 927	RAL 7021 darkgrey	6/24

Plate support for 5 special Vimar Idea/8000

Complete with finishing plate.

FLSP9160
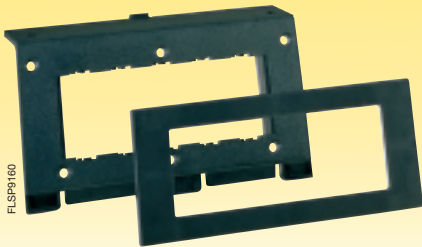
Article	Colour	Box/Packing
10 928	RAL 7021 darkgrey	6/24

Support for triple Schuko socket art. 10 719

Complete with finishing plate.

FLSP9161
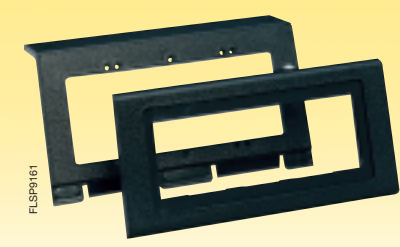
Article	Colour	Box/Packing
10 921	RAL 7021 darkgrey	6/24

Triple Schuko socket

16 A/250 V a.c.

FLSP9162

Article	Colour	Box/Packing
10 719	White	5/35

Flush-mounting metal box for traditional floor, 105 mm deep

FLSP9163
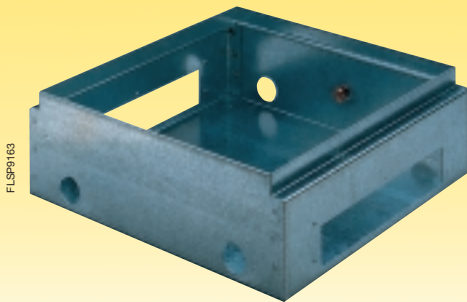
Article	Dimensions [mm]	Packing
10 930	305 x 230	1

Accessories for 16 devices Undernet floor boxes art. 10 900 and art. 10 901

Universal support for 3 devices
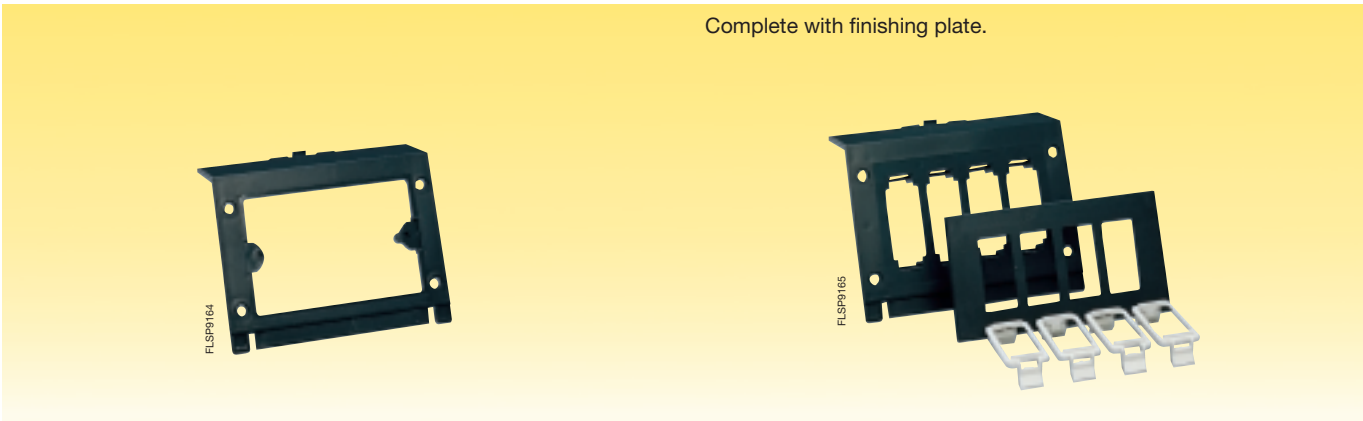
Article	Colour	Box/Packing
10 910	RAL 7021 darkgrey	8/32

Plate support for 4 Vimar 8000/Bticino Magic

Complete with finishing plate.

Article	Colour	Box/Packing
10 911	RAL 7021 darkgrey	8/32

Plate support for 2 devices + 1 Schuko/Bticino Magic

Complete with finishing plate.

Article	Colour	Box/Packing
10 912	RAL 7021 darkgrey	8/32

Plate support for 2 Schuko Bticino Magic

Complete with finishing plate.

Article	Colour	Box/Packing
10 913	RAL 7021 darkgrey	8/32

4

4

Plate support for 4 special Vimar Idea/8000 devices

Complete with finishing plate.

FLSP9168
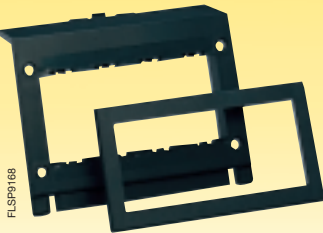
Article	Colour	Box/Packing
10 914	RAL 7021 darkgrey	8/32

Flush-mounting metal box for traditional floor, 105 mm deep

FLSP9163
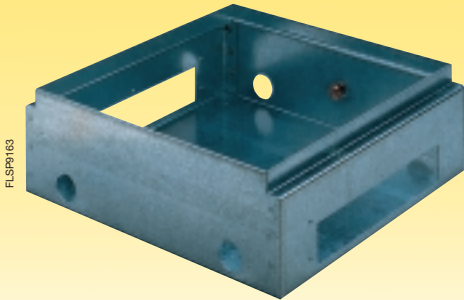
Article	Dimensions [mm]	Box/Packing
10 931	310 x 305	8/32

Index

Systems for light prefabrication

Incaplast boxes for distribution in prefabricated buildings

5

General aspects and installation criteria

Components for light prefabrication can be inserted in light walls (plaster panels, masonite etc.); they are made in self-extinguishing thermoplastic.

Vimar IDEA and 8000 series devices and ABB BUSCH-E 2000 devices can be applied together with the installation systems for prefabricated building.

In self-extinguishing material with IP 30 degree of protection for insertion into panels from 7 to 35 mm thick.

FLSP9169

FLSP9170

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Overall dimensions at page:	**8**/33

A complete range of special cutters are available for installing wiring accessories switch boxes into light prefabricated walls; the operating sequence is illustrated below.

Make the hole for installing the switch box in the wall using special cutter art. 10 841

Thread the cable and the conduit through the hole (for conduit external Ø 20 mm)

Install the switch box in the hole with the cable or conduit

Tighten the expansion screws

FLSP0003
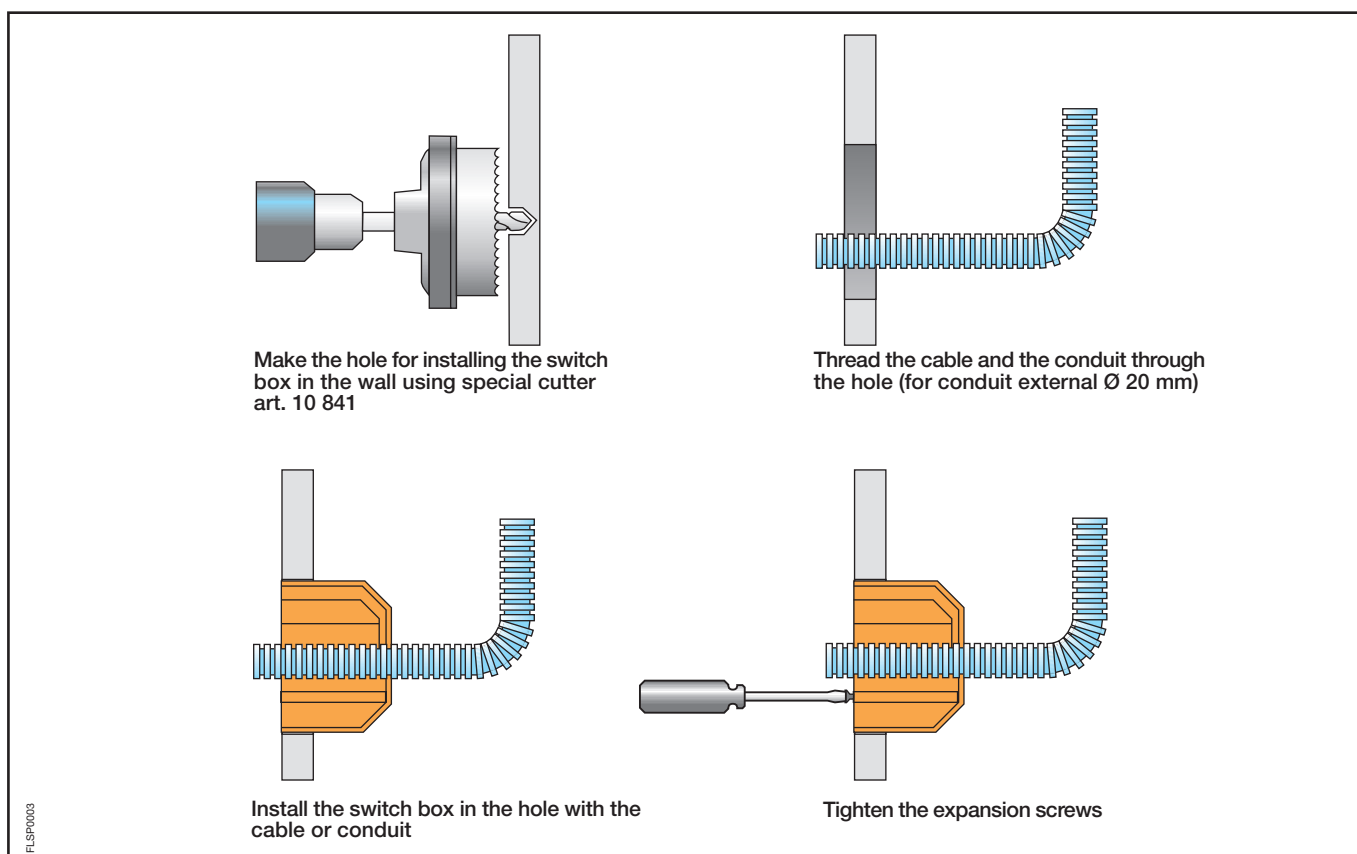
Using the same cutters it is also possible to install boxes for modular devices and boxes for consumer units, as shown in the picture below.
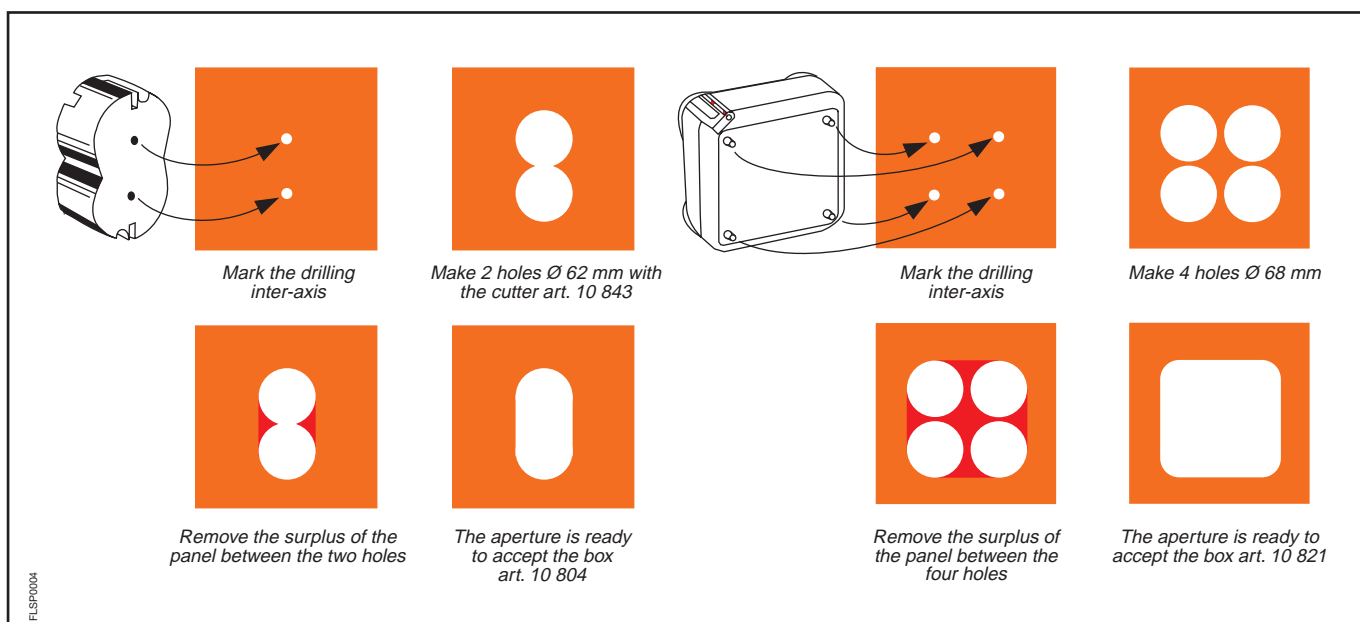
Mark the drilling inter-axis

Make 2 holes Ø 62 mm with the cutter art. 10 843

Mark the drilling inter-axis

Make 4 holes Ø 68 mm

Remove the surplus of the panel between the two holes

The aperture is ready to accept the box art. 10 804

Remove the surplus of the panel between the four holes

The aperture is ready to accept the box art. 10 821

FLSP0004

Junction boxes

Box for socket Ø 60 mm

Depth 45 mm.
Use cutter art. 10 841 to make the hole.

FLSP9171
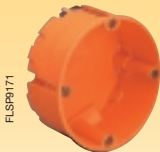
Article	Box/Packing
10 801	1/75

Box for socket and branch connection Ø 60 mm

Depth 61 mm.
Use cutter art. 10 841 to make the hole.

FLSP9172
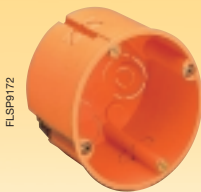
Article	Box/Packing
10 802	1/50

Box for increased branch connection Ø 74 mm

Depth 50 mm.
Complete with lid.
Use cutter art. 10 842 to make the hole.

FLSP9173
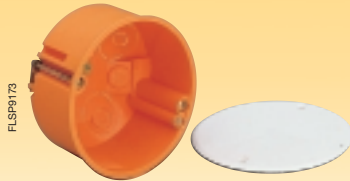
Article	Box/Packing
10 803	1/60

Box for modular sockets 100 x 62 mm

Depth 40 mm.
Use cutter art. 10 843 to make the hole.

FLSP9174

Article	Box/Packing
10 804	1/85

Box for wall lights 65 x 35 mm

Depth 40 mm.
Complete with lid.
Use cutter art. 10 840 to make the hole.
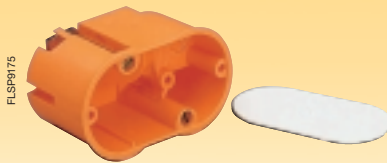
FLSP9175

Article	Box/Packing
10 805	1/100

5

Box for socket Ø 60 mm

Depth 35 mm.
Use cutter art. 10 841 to make the hole.

FLSP9176

Article	Box/Packing
10 807	1/100

Box for branch connection 100 x 100 mm

Depth 45 mm.
Complete with lid.
Use cutter art. 10 840 to make the hole.

FLSP9177

Article	Box/Packing
10 808	1/36

5

Lids for junction boxes

Spare lid for junction box
art. 10 808

In plastic, supplied with two fixing screws.

FLSP9178

Article	Colour	Box/Packing
10 811	white	10/540

Boxes for consumer units

Box for 8-module consumer unit

160x160 mm.
Depth 65 mm.
Use cutter art. 10 841 to make the hole.
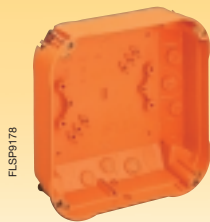
Article	Box/Packing
10 821	1/10

Box for 12-module consumer unit

235x205 mm.
Depth 70 mm.
Use cutter art. 10 841 to make the hole.

Article	Box/Packing
10 822	1/7

Lid for consumer unit box

In plastic, supplied with 4 fixing screws.

Article	For box	Colour	Box/Packing
10 831	10 821	white	10/200
10 832	10 822	white	5/100

Cover for 8-module consumer units

Complete with smoked transparent door in polycarbonate and DIN rail 46277. Supplied with screws.

Article	Colour	Box/Packing
10 833	RAL 7035 grey	1/18

Cover for 12-module consumer units

As before for 12-module consumer units.

Article	Colour	Box/Packing
10 834	RAL 7035 grey	1/12

Accessories and tools

Special cutters

Article		Packing
10 840*	With marginal countersink Ø 35 mm – adjustable height	1
10 841*	With marginal countersink Ø 68 mm – adjustable height	1
10 842*	With marginal countersink Ø 74 mm – adjustable height	1
10 843	With marginal countersink Ø 62 mm – height 18 mm	1

* Adjustable height for drilling holes in 7÷20 mm wide panels.

Spare blades

Article		Box/Packing
10 844	For special cutter Ø 35 mm – height 18 mm	10/120
10 845	For special cutter Ø 68 mm – height 18 mm	9/108
10 846	For special cutter Ø 74 mm – height 18 mm	9/108

Spare marginal countersink

Article		Box/Packing
10 847	For special cutter Ø 35 mm	10/120
10 848	For special cutter Ø 68 mm	10/120
10 849	For special cutter Ø 74 mm	10/120
10 850	For special cutter Ø 62 mm	10/120

Helical bit Ø 8 mm

With hexagonal shank.

Article	Box/Packing
10 851	1/10

General

Incaplast boxes have been specifically designed for floor distribution systems using Predalle type prefabricated floor slabs.

They are made in self-extinguishing thermoplastic and are highly resistant.

Incaplast boxes are easy and fast to install; they can be assembled in multiple combinations using snap-on couplings so that the various services (electricity, telephone and auxiliary lines etc.) can be installed separately.

Floor boxes in the Telec series can be combined with Incaplast boxes.

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Overall dimensions at page:	**8**/36

Boxes

Box

In self-extinguishing thermoplastic with knockout holes for conduit Ø 25 mm – Ø 32 mm inlets.

Article	Colour	Box/Packing
10 860	RAL 7035 grey	1/28

Junction box

In zinc-plated steel complete with lid, internal separators and brackets for adjusting the height. Suitable for Ø 32 mm conduit inlets.

Article	Colour	Packing
10 864	RAL 7035 grey	1

Accessories

Temporary lid

In plastic material; its purpose is to prevent water and agglomerates from entering when the concrete is cast. It can easily be removed by pressing on it.

FLSP9191

Article	Box/Packing
10 861	15/60

Permanent lid

In plastic for boxes that have not yet been enabled. Supplied with 3 mm-deep frame to bring the lid to the level of the floor.

FLSP9192
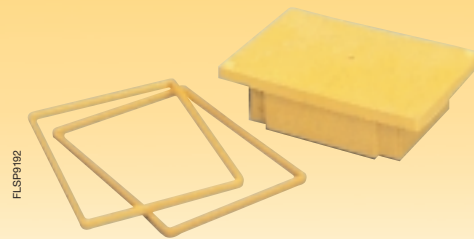
Article	Box/Packing
10 862	12/48

Galvanised iron support bracket

Adjustable in height using screws up to a maximum of 20 mm. The boxes are fixed to the DIN 46288 rail and locked with plates and screws. The bracket is fixed to the floor slab with the expansion screws supplied.

FLSP9193

Article	Box/Packing
10 863	10/40

5

Technical details

Index

6

IP degree of protection
Protection against the penetration of solid bodies

1st digit: protection from solid bodies		
IP		
0		Unprotected
1	φ 50 mm	Protected against solid bodies larger than 50 mm (unintentional contact with the hands)
2	φ 12 mm	Protected against solid bodies larger than 12 mm (finger)
3	φ 2.5 mm	Protected against solid bodies larger than 2.5 mm (tools, wires)
4	φ 1 mm	Protected against solid bodies larger than 1.0 mm
5		Dust proof (no harmful deposit)
6		Totally dust proof

1st digit defined by CEI 70-1 – IEC 529 – IEC 144 Standards

2nd digit: protection from liquids		
IP		
0		Unprotected
1		Protected against vertical drops of water (condensation)
2	15	Protected against drops of water falling with a maximum angle of 15°
3	60	Protected against drops of water falling with a maximum angle of 60°
4		Protected against sprays of water from all directions
5		Protected against jets of water from all directions from a hose
6		Protected against all projections of water similar to waves
7	15cm	Protected against the effects of immersion
8		Protected against the effect of submersion
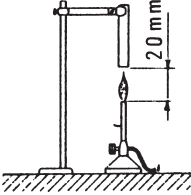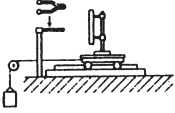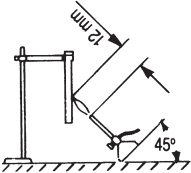
2nd digit defined by CEI 70-1 – IEC 529 – IEC 144 Standards

Definition of IP degree of protection

Protection from the penetration of solid bodies

1st characteristic digit	Brief description	Full description
0	Unprotected	No particular protection is provided
1	Protected against solid bodies larger than 50 mm	It must be impossible for a large surface area, for example, the hand, to penetrate (voluntary protection is not provided, however) or solid bodies larger than 50 mm in diameter
2	Protected against solid bodies larger than 12 mm	It must be impossible for the fingers or similar objects with a maximum length of 80 mm or solid bodies with a diameter greater than 12 mm, to penetrate
3	Protected against solid bodies larger than 2.5 mm	It must be impossible for tools, wires, etc. with a diameter or thickness greater than 2.5 mm or solid bodies with a diameter greater than 2.5 mm to penetrate
4	Protected against solid bodies larger than 1.0 mm	It must not be possible for wires or plates with a thickness greater than 1.0 mm or solid bodies with a diameter greater than 1.0 to penetrate
5	Dust proof	Not totally dust proof, but the quantity that penetrates is not such as to prevent the material from functioning well
6	Totally dust proof	No dust can penetrate

Protection against the penetration of water

2nd characteristic digit	Brief description	Full description
0	Unprotected	No protection is provided
1	Protected against drops of water	Vertically-falling drops of water must not cause damage
2	Protected against drops of water falling with a maximum angle of 15°	Vertically-falling drops of water will not cause damage when angled at a maximum of 15° from vertical
3	Rain proof	Rain water falling from a direction creating a maximum angle of 60° from vertical must not cause damage
4	Protected against sprays of water	Water sprayed onto the covering from any direction must not cause damage
5	Protected against jets of water	Water projected with a nozzle from all directs must not cause damage
6	Protected against waves	In the case of waves or powerful water jets must not penetrate the covering in harmful quantities
7	Protected against the effects of temporary immersion	Harmful quantities of water must not penetrate inside the immersed covering in specific conditions of pressure or duration
8	Protected against the effect of continuous immersion	The material is suitable to remain constantly immersed in water in the conditions specified by the manufacturer

6

Technical details

Definition of self-extinguishing levels

					TEST CONDITIONS		
TEST	TEST EQUIPMENT	COMPLIANCE TO STANDARDS	PURPOSE OF THE TEST	RESULTS OF THE TEST	Heat source	Duration of test	Characteristic elements
UL (UNDERWRITERS' LABORATORIES)		UL 94	A classification is given to the various types of behaviour that the materials may have following contact with the Bunsen flame	• V0 if the test specimen burns for less than 5 seconds before going out • V1 if it burns for less than 25 seconds • V2 if it burns for less than 25 seconds, dripping glowing material • HB if it burns for more than 25 seconds (horizontal test specimen with a maximum burning speed of 38 mm per minute). Can be assimilated with ASTM D-635	Bunsen burner flame	Flame applied for 10 seconds and for two consecutive times	Duration of combustion
GLOW WIRE (GLOW-WIRE TEST)		IEC 695-2-1 CEI 50-11	Simulates the types of thermal stress that may be produced by the sources of heat or ignition (glowing elements or overcharged resistors for short periods) in order to assess the danger of fire using this simulation	Any manifestation of the flame must cease within 30 seconds of removing the glow wire TEST TEMPERATURES • 650 °C • 750 °C • 850 °C • 960 °C	Glow wire 4 mm in diameter	Wire applied for 30 seconds	Time taken by the flame to go out
FLAME TEST WITH NEEDLE		IEC 695-2-1 CEI 50-11	Simulates the effect of small flames that can occur as a result of faulty conditions inside the product with the aim of judging the risk of fire	• The specimen does not catch fire • The flame and the glowing particles do not propagate fire • Combustion lasts less than 30 seconds	Bunsen burner flame	Flame applied for the time (Ta) 5, 10, 20, 30, 60, 120 seconds depending on the particular standards.	The level of severity: flame application time (Ta)

Levels of mechanical shock proof protection IK conforming to CEI EN 50102 Standard

IK CODE	Shock energy in Joules	IK CODE	Shock energy in Joules
00	Not protected	06	1 Joule
01	0.15 Joules	07	2 Joules
02	0.2 Joules	08	5 Joules
03	0.35 Joules	09	10 Joules
04	0.5 Joules	10	20 Joules
05	0.7 Joules		

Note: the test equipment to be used includes spring hammer, pendulum hammer and vertical hammer.

6

Trunking section and number of cables that can be inserted

Max number of unipolar H07V-K cables with reduction coefficient = 50% in compliance with CEI 64-8 Standard

Trunking dimensions [mm]	Geometric section [cm²]	Section [mm²]															
		1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240
Scattoplast 60x30	16.47	85	59	45	23	18	13	8	6	5	3					
Scattoplast 70x30	20.16	104	72	55	32	22	16	10	8	6	4					
Scattoplast 70x30 twin components	Compartment A 8.97	46	32	24	14	10	7	4	3							
	Compartment B 8.97	46	32	24	14	10	7	4	3							
Scattoplast 95x30 twin components	Compartment A 11.74	61	42	32	18	13	9	6	4	3	2					
	Compartment B 11.74	61	42	32	18	13	9	6	4	3	2					
Underfloor 95x60	50.13	260	181	138	80	55	41	26	20	15	11	8	7	5	4	3

6

ABB SACE

Index

Mounting examples

7

Mounting examples

Underfloor system

Underfloor mounting for
H ≥ 120 mm floor
(interspace) with shallow
boxes

1) Junction box	art. 10 241
2) Adjustable flat angle bend	art. 10 214
3) Adjustable vert. angle bend	art. 10 215
4) Box for secondary branch connection	art. 10 161
+ joint	art. 10 212
+ support	art. 10 211
5) Trunking	art. 10 201
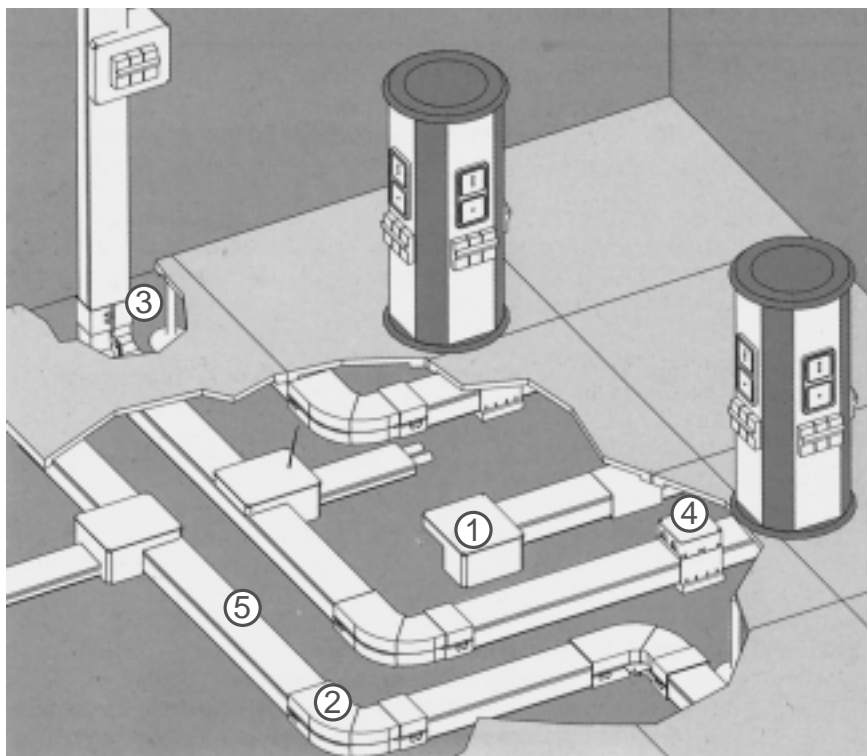
Underfloor mounting for
H ≥ 210 mm floor
(interspace) with shallow
boxes

1) Sorting box	art. 10 240
2) Adjustable flat angle bend	art. 10 214
3) Adjustable vert. angle bend	art. 10 215
4) Box for secondary branch connection	art. 10 161
+ joint	art. 10 212
+ support	art. 10 211
5) Trunking	art. 10 201
6) Flyover with inlet	art. 10 213

ABB SACE
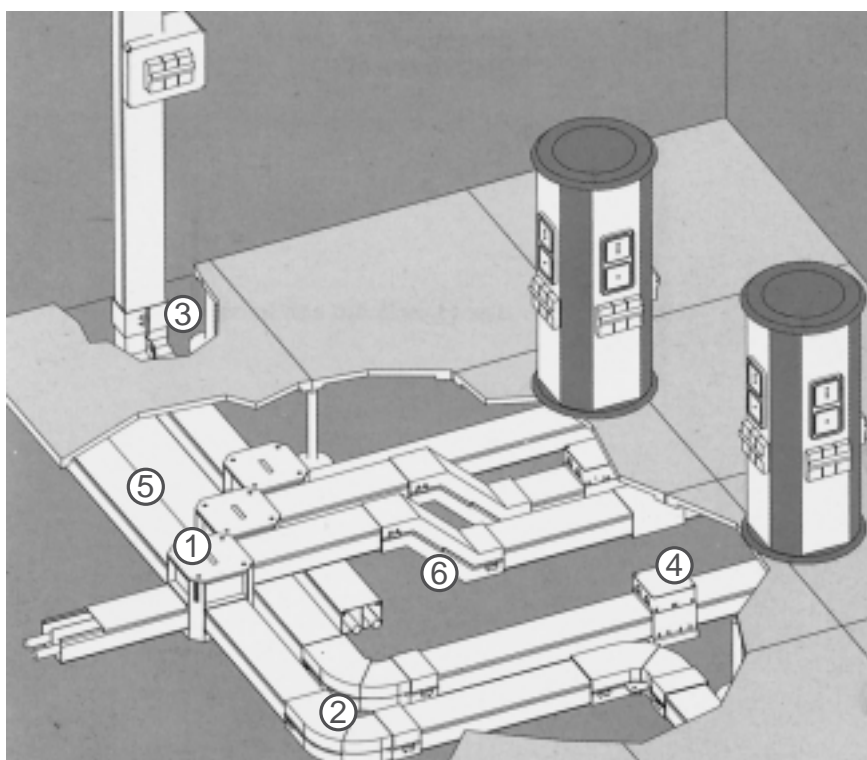
Mounting examples

Scattoplast system
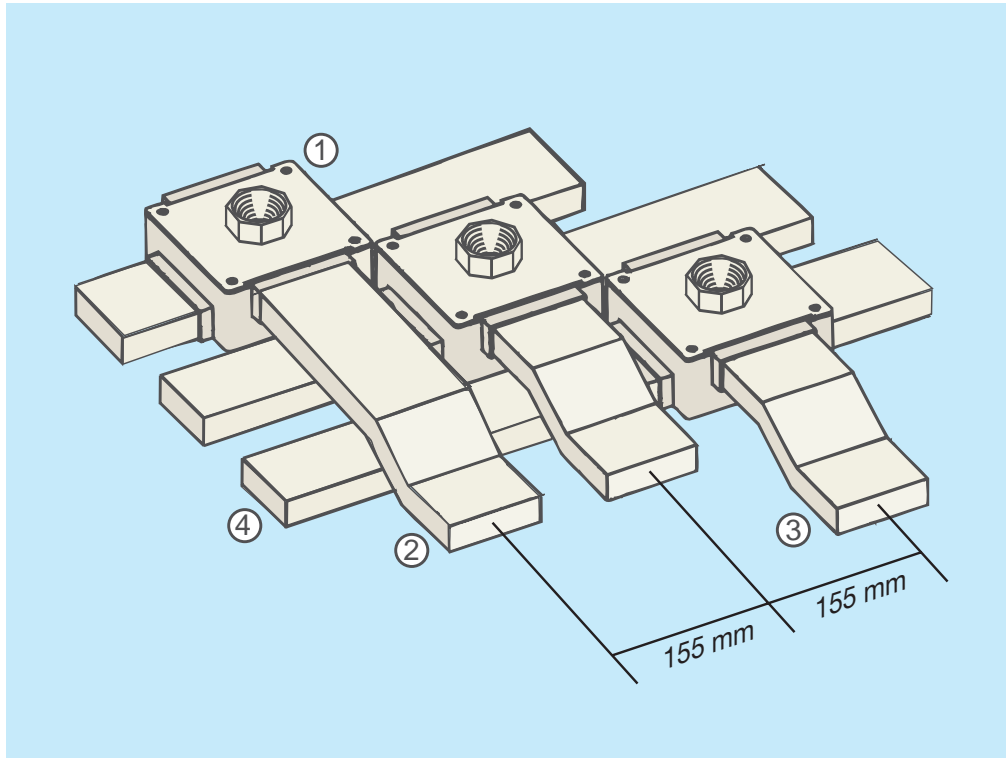
Mounting example for boxes
art. 10 163 and art. 10 164

1) Junction box	art. 10 164
2) Flyover	art. 10 118
3) Flyover	art. 10 117
4) Trunking	art. 10 013

155 mm

155 mm

FLSP0007

7

Mounting of a multifunctional
box art. 10 301

1) Multifunction box	art. 10 301
2) Trunking	art. 10 013
3) Conduits Ø 25 mm	
4-5-6) Accessories for mounting modular devices and EDP connectors	
7) Internal separator	
8) Raised floor	
9) Undernet floor box	
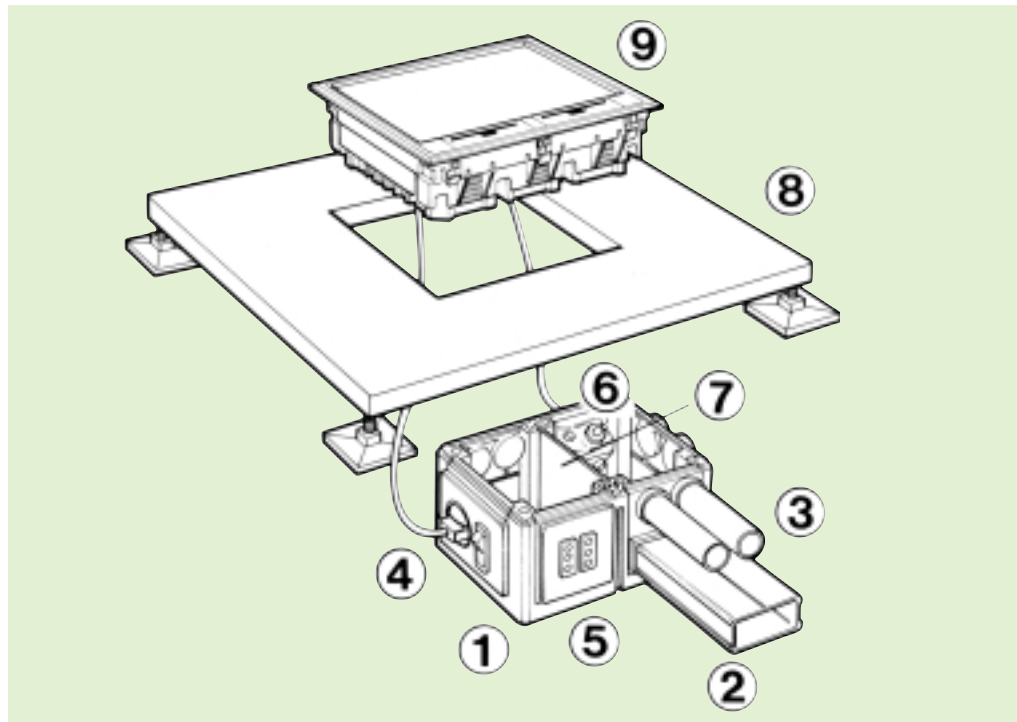
FLSP0008

Mounting of 2 multifunctional
boxes art. 10 301

1) Multifunction box	art. 10 301
2) Trunking with separator	art. 10 043
3) Trunking	art. 10 013
4) Conduits Ø 32 mm	
5) Scattoplast box	art. 10 160
6) Raised floor	
7) Undernet floor box	
8) Undernet internal separator	
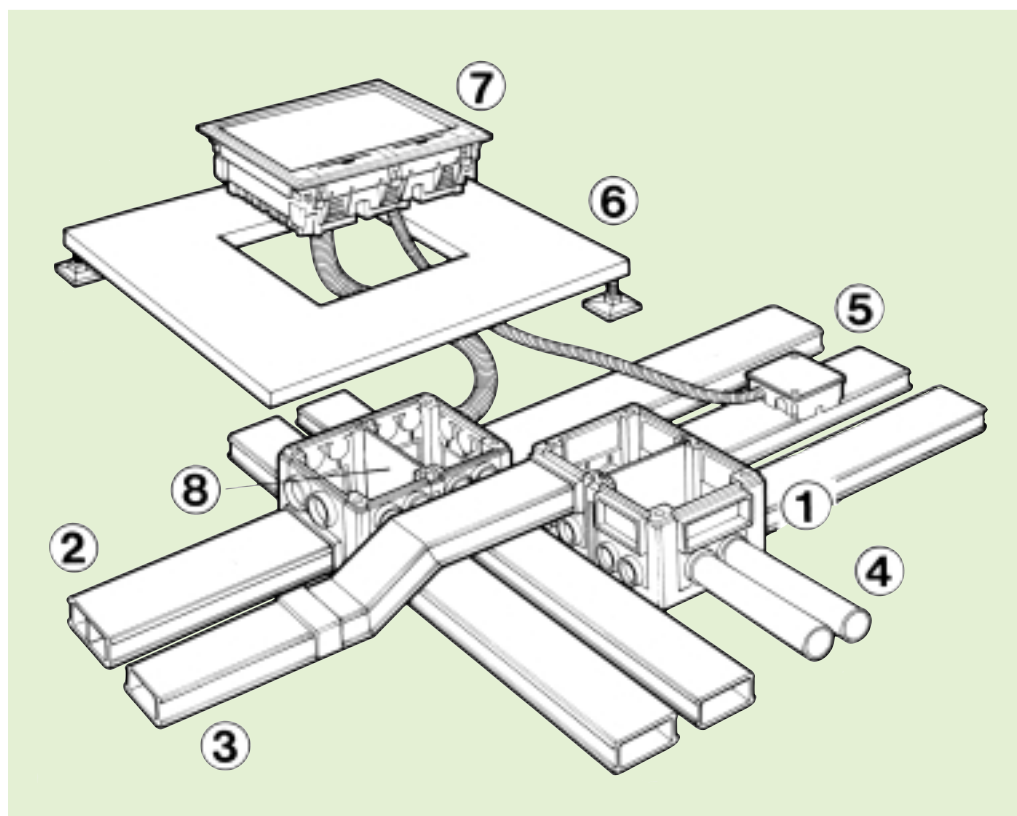
FLSP0009

**Order
codes at page:** **3**/10

Mounting examples
Lusy floor boxes

On Scattoplast or similar

On Metal series boxes

Trunking inter-axis from 100 to 124 mm

FLSP0010
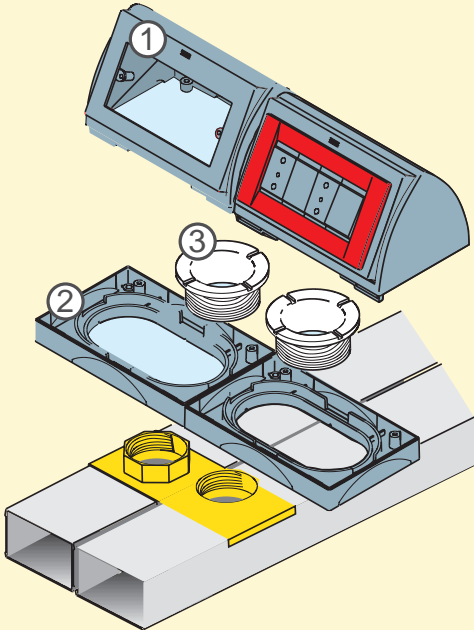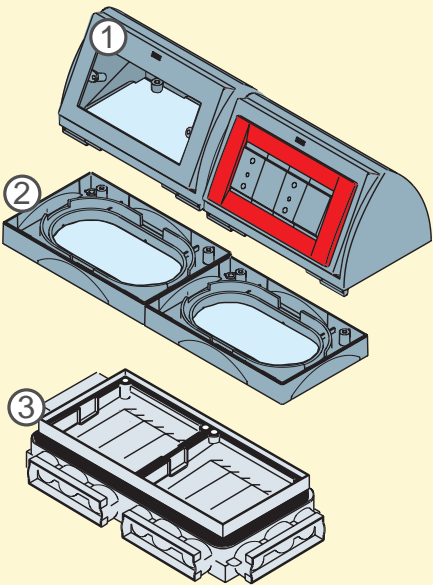
An example of assembling 2 Lusy floor boxes on an underfloor distribution system for traditional floors (e.g. Scattoplast system) and on Metal series boxes

On Scattoplast or similar

1) Lusy floor box	art. 10 506
2) Support (included in the floor box)	
3) Threaded ring nut	art. 10 530
	art. 10 559

On Metal boxes

1) Lusy Tower	art. 10 506
2) Support (included in the tower)	
3) Metal box	art. 10 401

FLSP0011

Example of assembling 2 Lusy floor boxes on a distribution system for raised floors (Underfloor system)

1) Lusy floor box	art. 10 506
2) Support (included with the floor box)	

7

1) Cover
2) Separator
3) Screws
4) Structure
5) Compartment cover   art. 10 520
6) Seal
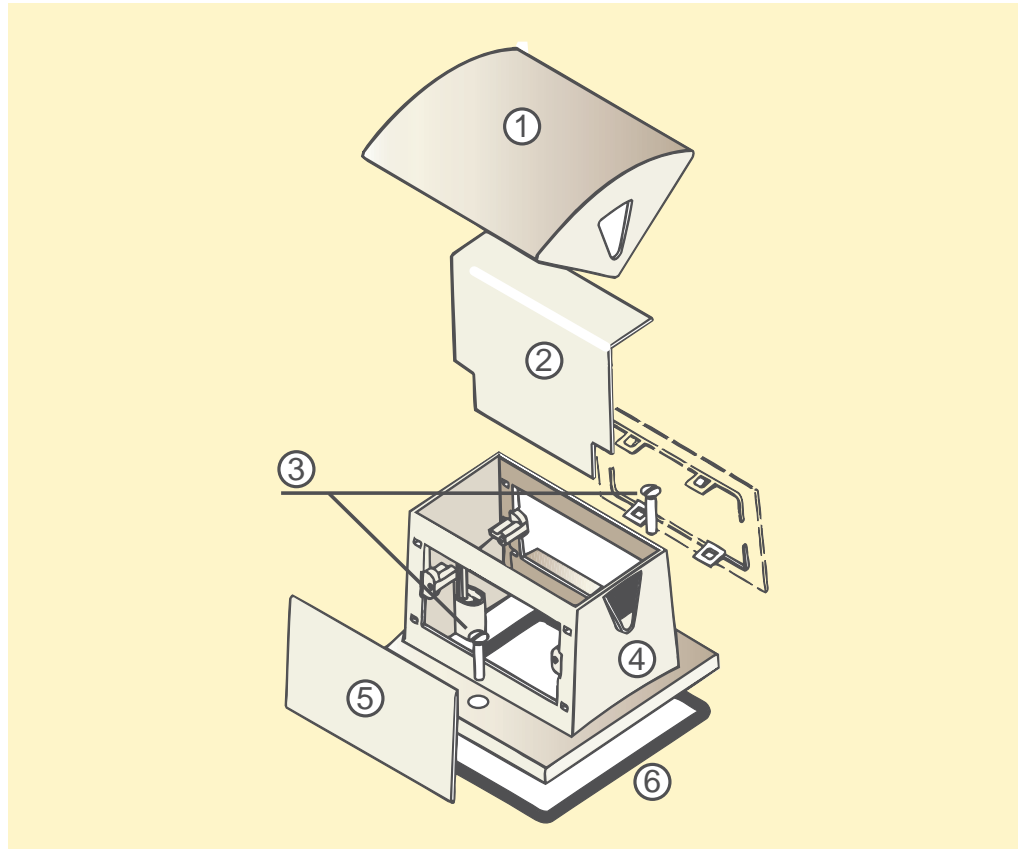
FLSP0012

7

Example of assembling 2 Concept floor boxes on Scattoplast trunkings. Concept is suitable to be combined with floor distribution systems supplied by ABB (Scattoplast trunkings, Metal series boxes) using the appropriate bases.

1) Concept floor box	art. 10 502
2) Ring nut	art. 10 530
3) Scattoplast support	art. 10 527
4) Trunking 70x30 mm	art. 10 013

100/118 mm

In the case of 3 parallel trunking the inter-axes may be 126 to 138 mm (on request article for inter-axis 118)
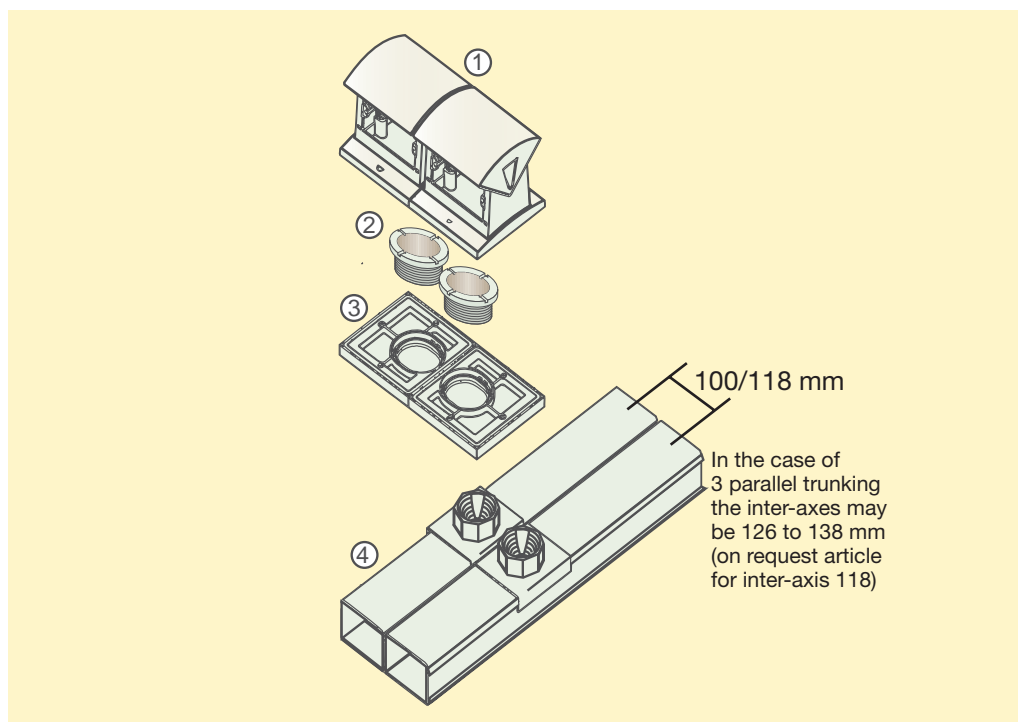
FLSP0013

Mounting examples
Concept floor boxes
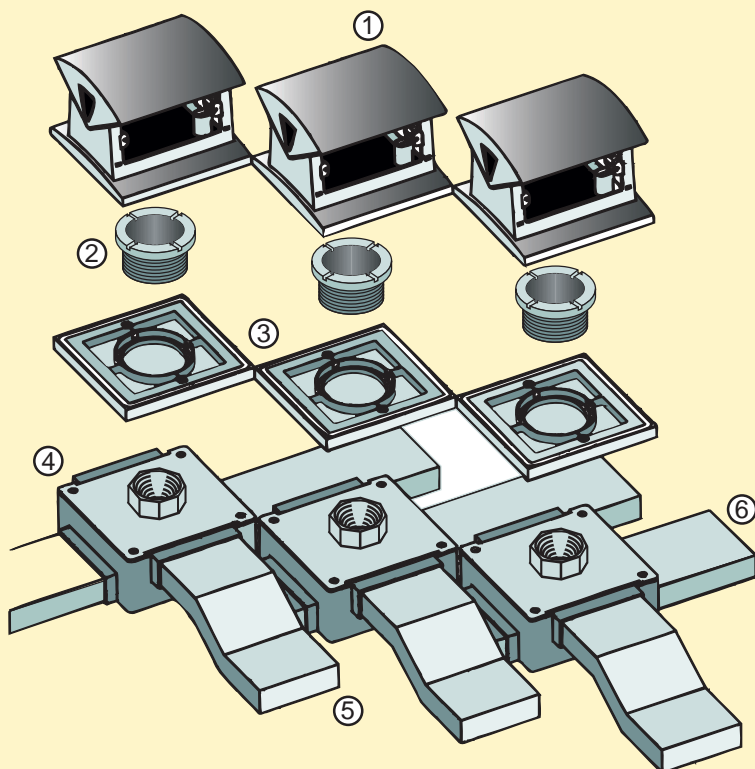
FLSP0014

Example of assembling 3
Concept floor boxes on a
Scattoplast system

1) Concept floor box	art. 10 502
2) Ring nut	art. 10 530
3) Scattoplast support	art. 10 529
4) Junction box	art. 10 164
5) Flyover	art. 10 117
6) Trunking 70x30 mm	art. 10 013

FLSP0015
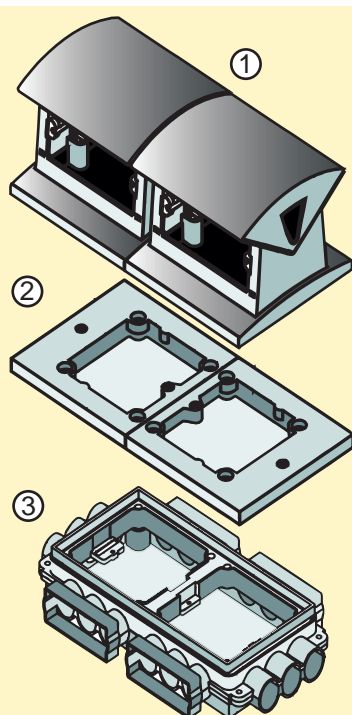
Example of assembling 2
Concept floor boxes on a
Metal series box

1) Concept floor box	art. 10 501
2) Metal series support	art. 10 524
3) Metal series box	art. 10 401

7

Mounting examples
Telec floor boxes

Example of assembling 2 Telec floor boxes on a Metal series box (traditional floor).

1) Telec floor box	art. 10 501
2) Telec floor box	art. 10 510
3) Support	art. 10 542
4) Metal series box	art. 10 401
5) Telemix 60	art. 10 558
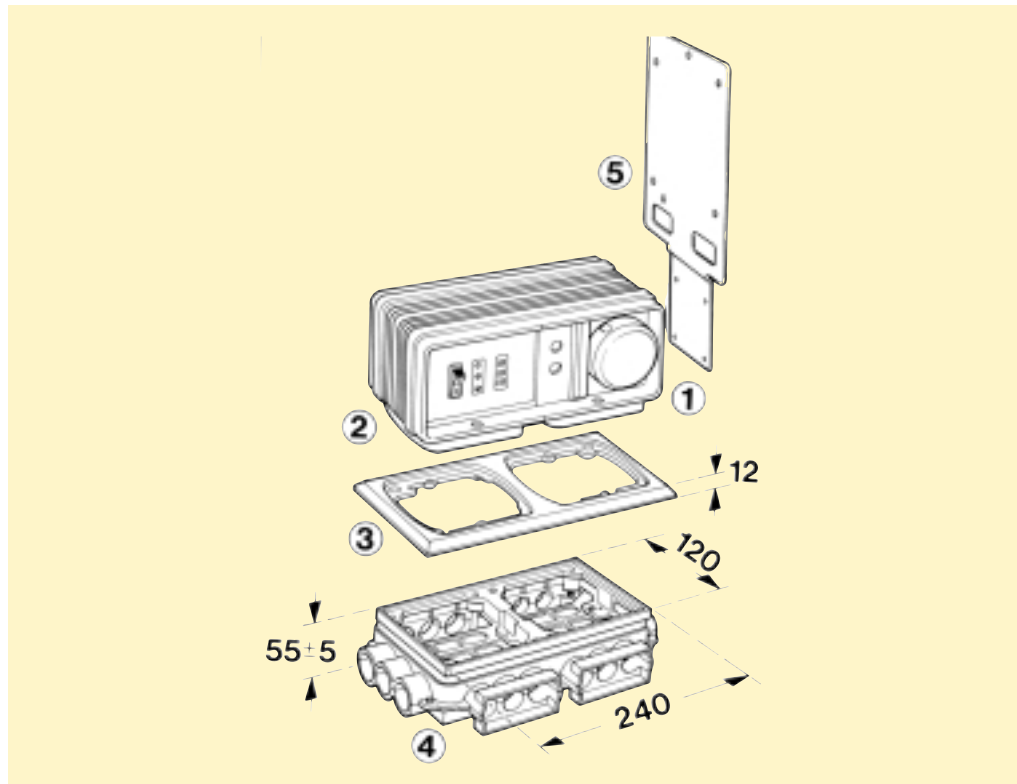
Example of 2 Telec floor boxes on Metal series box (traditional floor).

1) Telec floor box	art. 10 511
2) Telec floor box	art. 10 510
3) Support	art. 10 542
4) Metal series box	art. 10 401
5) Telemix 60-P	art. 10 560

Order codes at page: **4**/10

ABB SACE

Mounting examples
Telec floor boxes

FLSP0018

Example of assembling 2 Telec floor boxes on a floating floor.
Inter-axis 110÷118 mm (raised floor).

1) Telec floor box	art. 10 511
2) Telec floor box	art. 10 510
3) Support	art. 10 548
4) Metal series box	art. 10 401
50 Trunking 70x30 mm	art. 10 025
6) Raised floor	
7) Telemix 60-P	art. 10 560
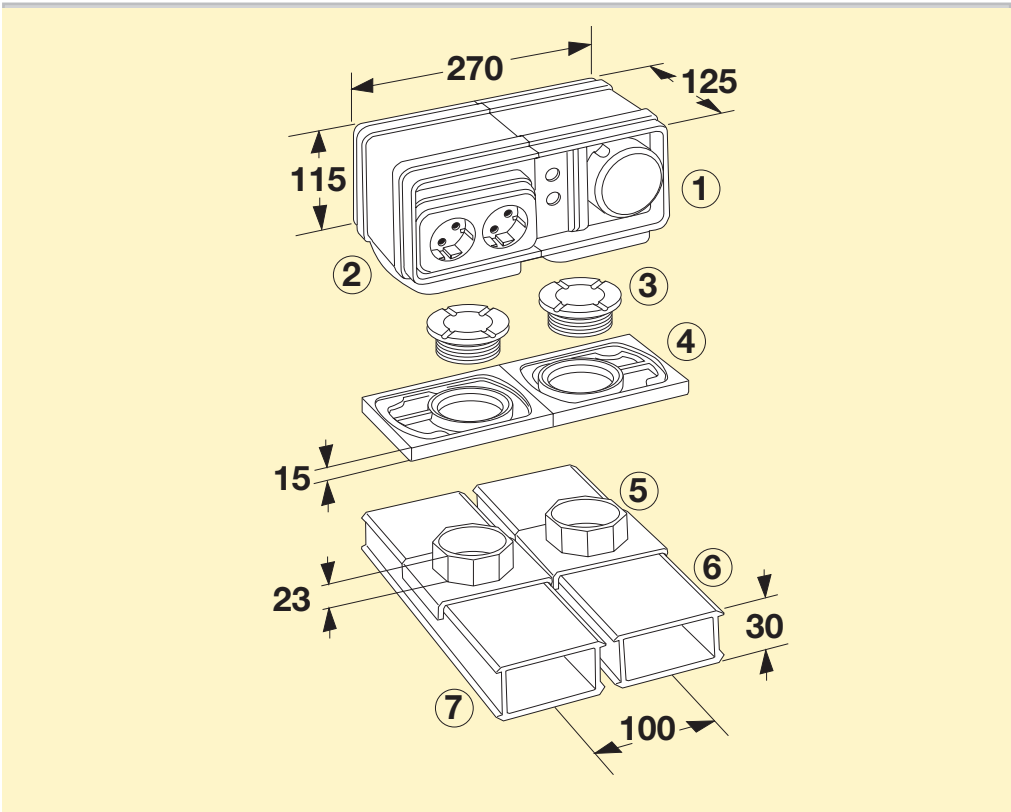
FLSP0019

Example of 2 Telec floor boxes on Scattoplast. Inter-axis 100 mm (traditional floor).

1) Telec floor box	art. 10 511
2) Telec floor box	art. 10 510
3) Ring nut	art. 10 530
4) Supports	art. 10 543
5) Cable gland	art. 10 139
6) Two compartments 70X30mm trunking	art. 10 031
7) trunking 70x30 mm	art. 10 013

Mounting of 3 Telec floor boxes on Scattoplast. Inter-axis 100 mm (traditional floor).

1) Telec floor box	art. 10 511
2) Telec floor box	art. 10 510
3) Support	art. 10 547
4) Ring nut	art. 10 530
5) Cable gland for branch connection to floor	art. 10 135 or art. 10 139
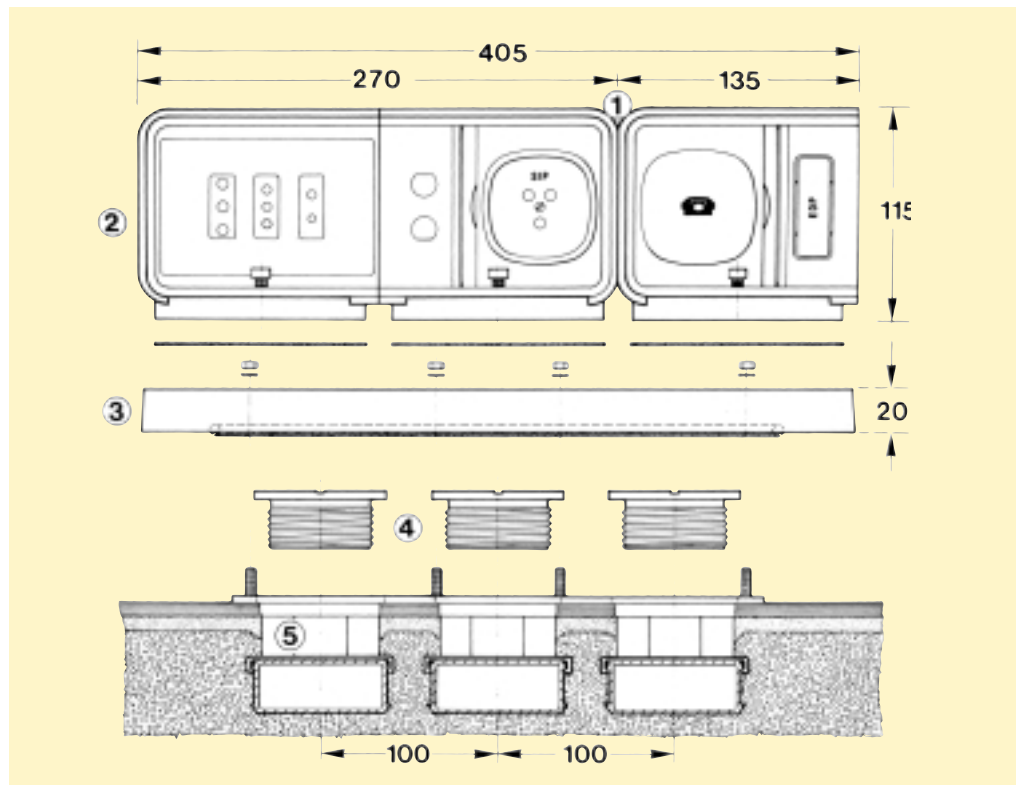
Mounting of 3 Telec floor boxes on Scattoplast. Inter-axis 118 mm (traditional floor).

1) Telec floor box	art. 10 511
2) Telec floor box	art. 10 510
3) Ring nut	art. 10 530
4) Supports	art. 10 543
5) Support	art. 10 545
6) Cable gland	art. 10 139
7) Separator	art. 10 180
8) Trunking 70x30 mm	art. 10 013
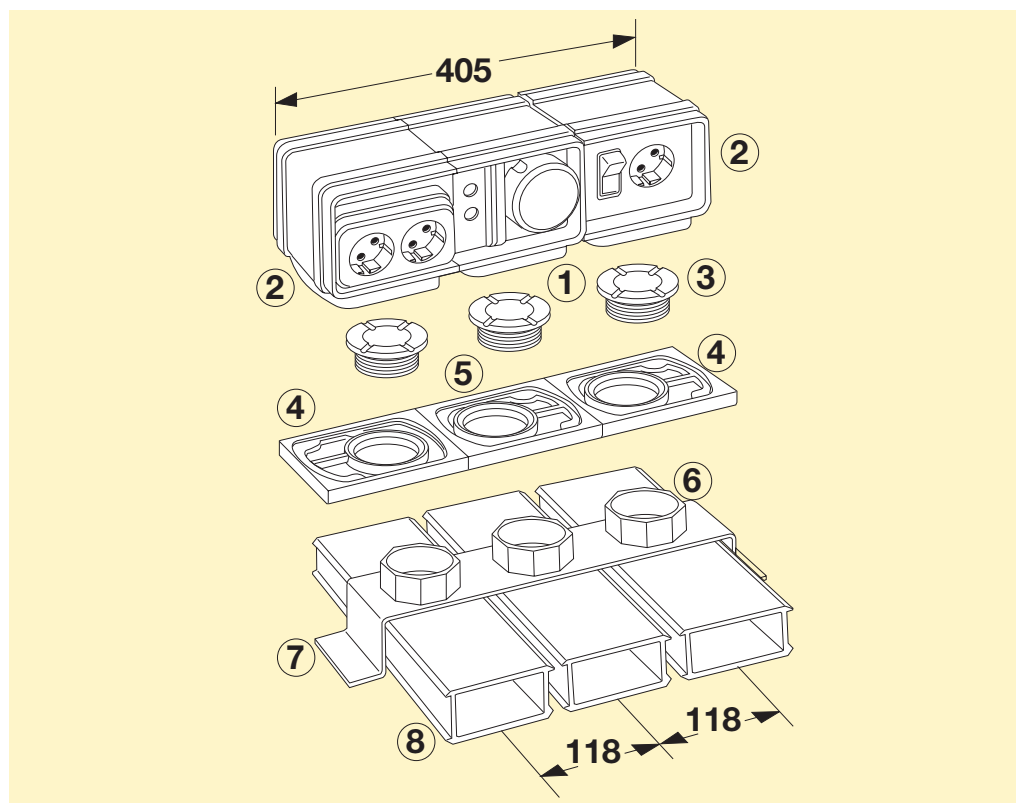
Mounting examples
Telec floor boxes
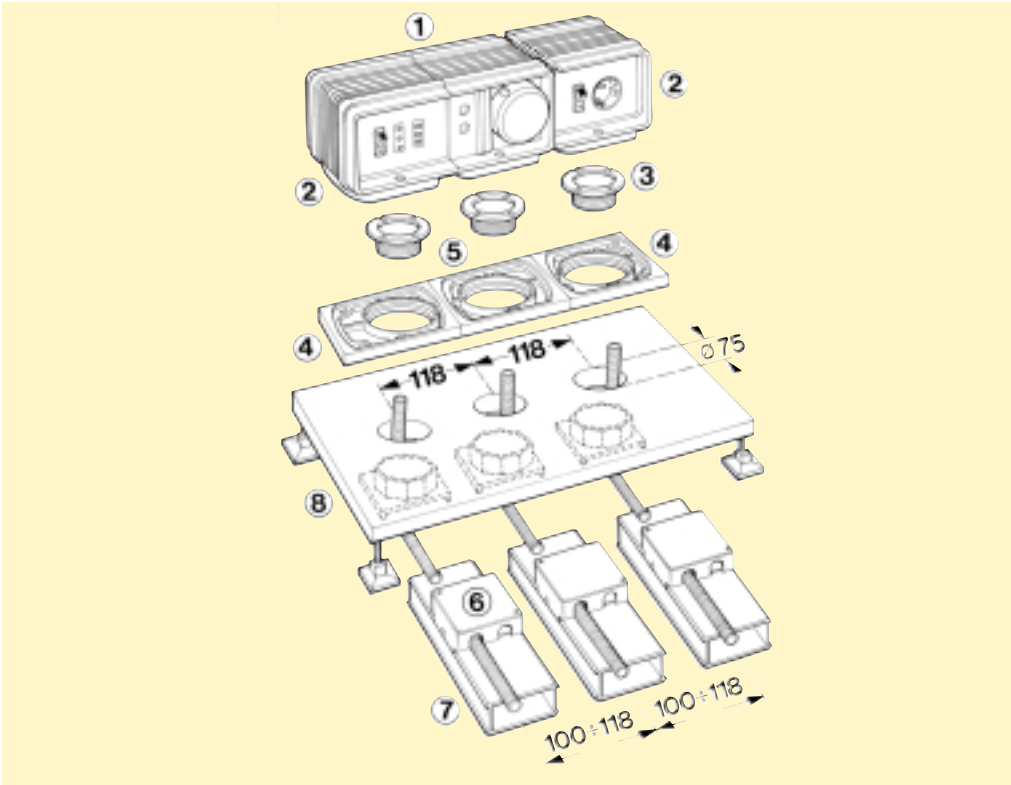
Mounting of 3 Telec floor boxes on Scattoplast. Inter-axis 100 - 118 mm (raised floor).

1) Telec floor box	art. 10 511
2) Telec floor box	art. 10 510
3) Ring nut	art. 10 530
4) Supports	art. 10 543
5) Support	art. 10 545
6) Box for econdary branch connection	art. 10 160
7) Trunking 70x30 mm	art. 10 013
8) Raised floor	

Order codes at page: **4**/10

Multivert desk service units

Mounting of Multivert desk service unit

1) Unit body
2) Unit base
3) Unit cover
4) Modular panel (3 per side)
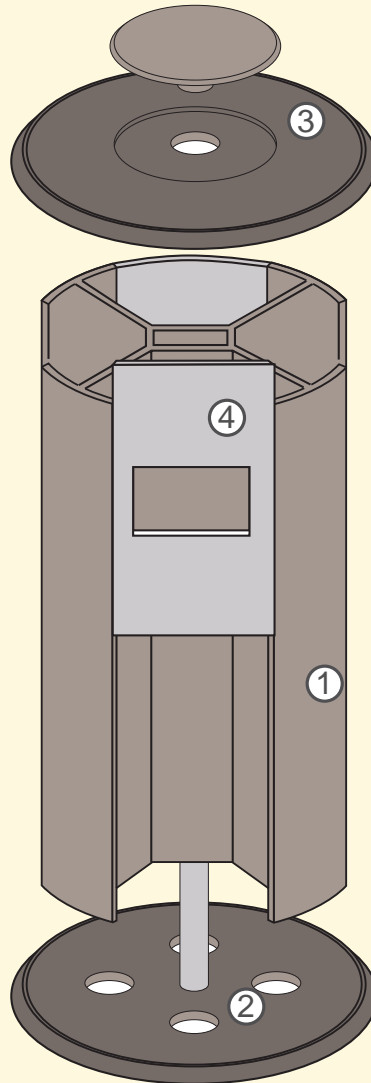
FLSP0023

Mounting examples

Incaplast boxes for floor distribution
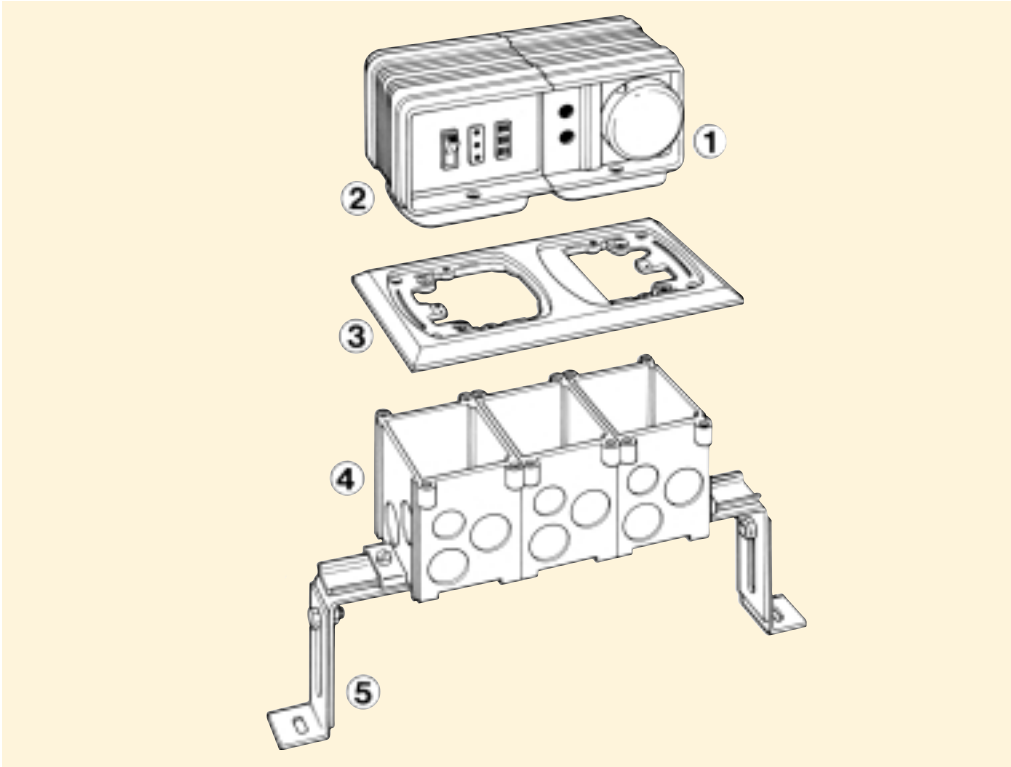
Mounting of 2 Telec floor boxes on Incaplast boxes. Prefabricated building floor.

1) Telec floor box	art. 10 511
2) Telec floor box	art. 10 510
2) Support	art. 10 548
4) Boxes	art. 10 860
5) Bracket	art. 10 863

Order
codes at page: **5**/8

FLSP0024

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Underfloor 95x60 mm

Trunking 95x60 mm

Article	Length [m]
10 201	2

Trunking separator

Article	Length [m]
10 202	2

Support for trunking (3 pieces with knockout)

Article	
10 211	

Joint for trunking

Article	
10 212	
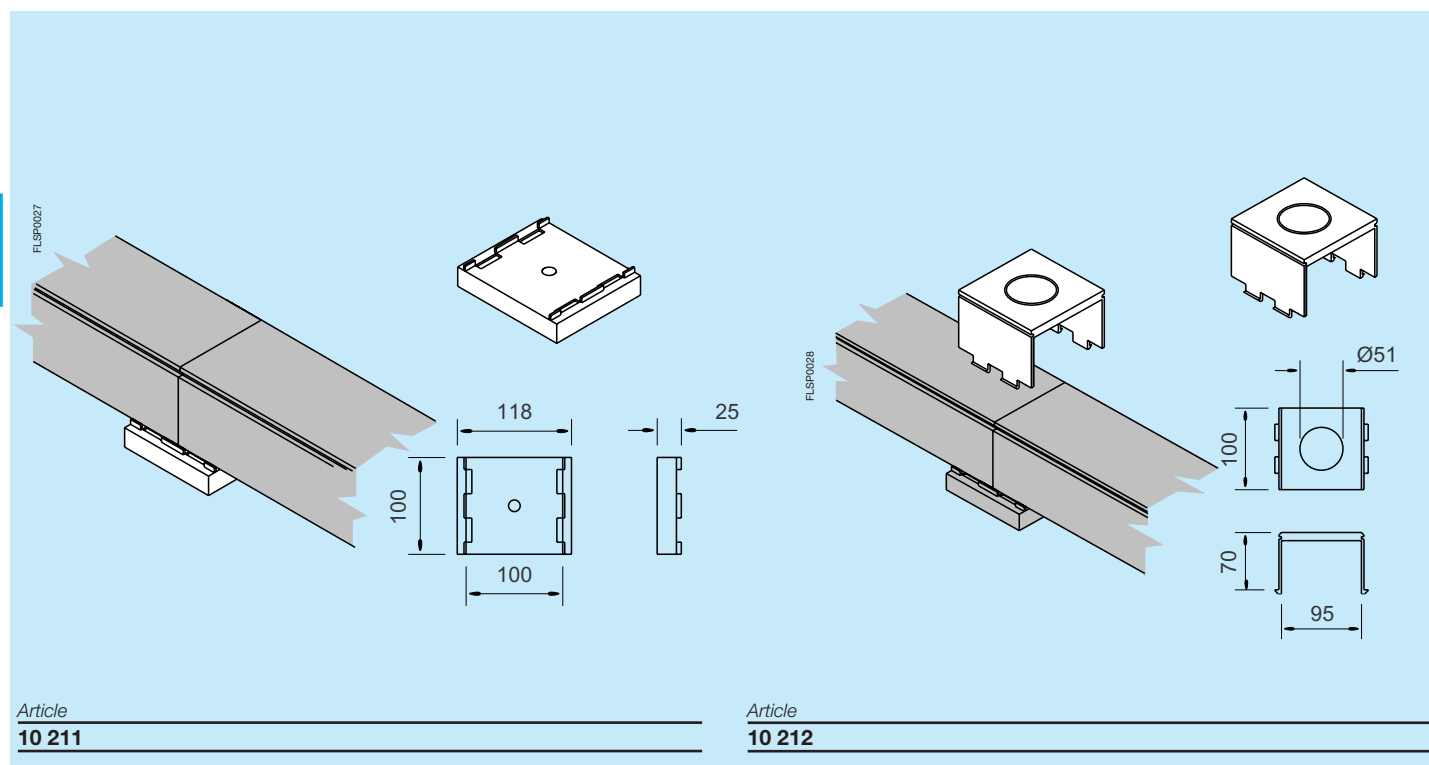
Overall dimensions

Underfloor system

Trunking flyover

FLSP0029

215
61
65
130
88 65 62
95
60

Article
10 216

Flat joint

FLSP0030

50
114
18

Article
10 213

Flat angle bend

FLSP0031

66
60
99
215
215
116
90°

Article
10 214

Adjustable riser bend for wall connection

FLSP0032

100
95
63
185
185
122
90°

Article
10 215

End cap

FLSP0033

95
25
60

Article
10 217

Boxes

Junction box

FLSP0034

150   150

96   63

155   31

77   19

Article
10 240

Junction box

FLSP0035

120   Ø20   180

90   33   61

95   96

Article
10 241

Junction box - for secondary branch connection

FLSP0036

95

95   34

Article
10 161

Switch boxes

Wiring accessories switch box (max 4 sockets)
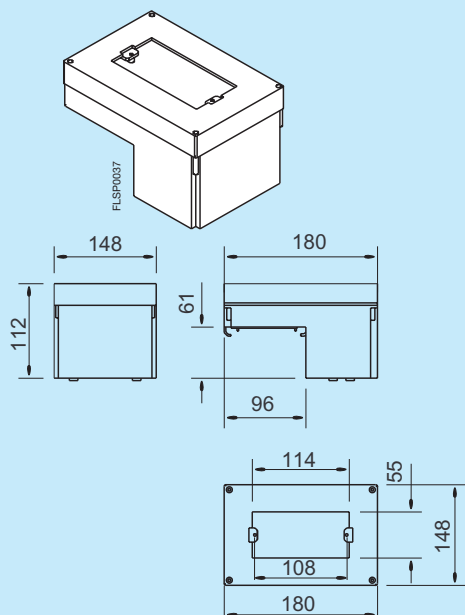
Modular DIN rail components switch box (max 4 modules)
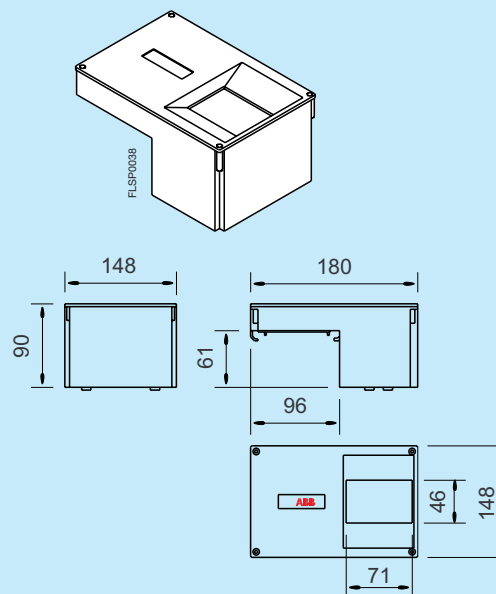
Article		Article	
10 230		**10 231**	

Scattoplast 60x30 and 70x30 mm

Distribution trunking
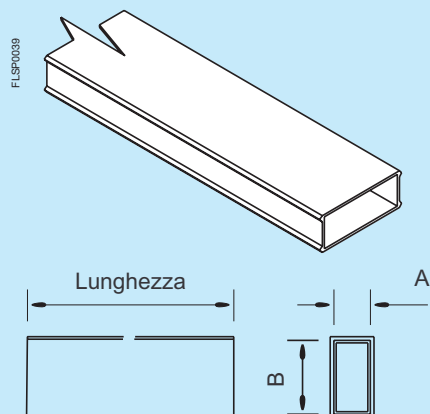
Coupler

Trunking	Article	A	B	Lg.
	10 001	30	66	3000
60 x 30	**10 003**	30	66	4500
	10 005	30	66	6000
	10 013	30	76	3000
70 x 30	**10 015**	30	76	4500
	10 017	30	76	6000
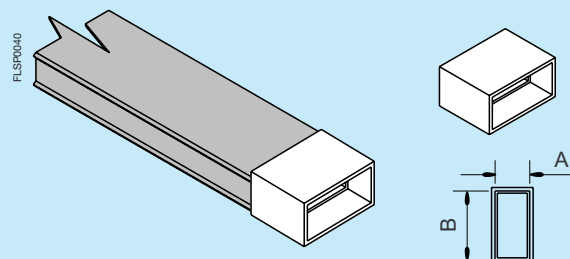
Trunking	Article	A	B
60 x 30	**10 101**	30	66
70 x 30	**10 102**	30	76

Flat tee
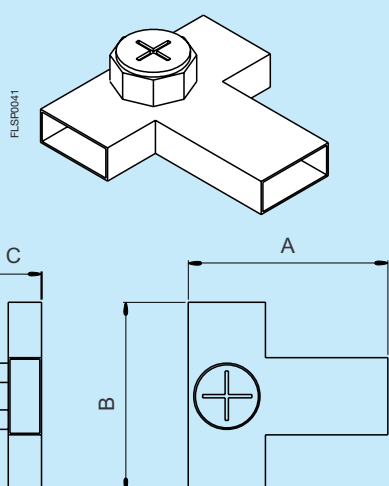
Flat crossover

Trunking	Article	A	B	C
60 x 30	**10 145**	170	170	55
70 x 30	**10 146**	180	170	55

Trunking	Article	A	B	C
60 x 30	**10 150**	280	170	55
70 x 30	**10 151**	280	170	55

Overall dimensions

Scattoplast system

45° angle bend

FLSP0043

FLSP0043
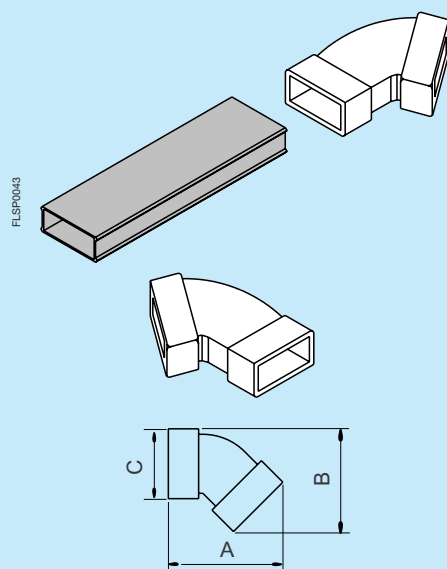
Trunking	Article	A	B	C
60 x 30	**10 105**	125	114	72
70 x 30	**10 106**	136	122	83

90° angle bend

FLSP0044
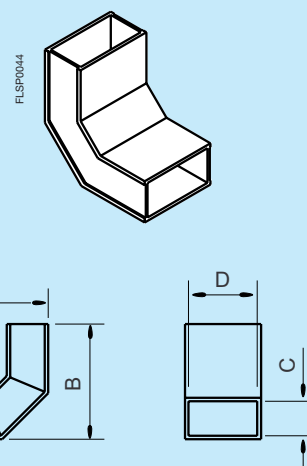
Trunking	Article	A	B	C	D
60 x 30	**10 110**	110	110	30	66
70 x 30	**10 111**	110	110	30	76

Trunking flyover

FLSP0045
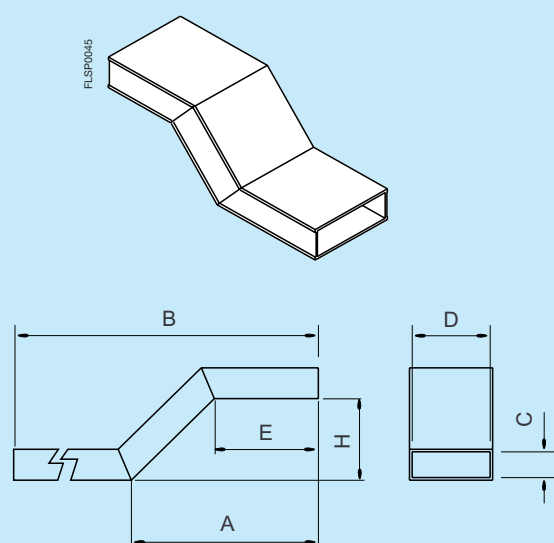
Trunking	Article	A	B	C	D	E	H
60 x 30	**10 115**	105	165	30	66	50	30
70 x 30	**10 116**	105	165	30	76	50	30

Trunking flyover

Trunking	Article	A	B	C	D	E	F	G	H
70 x 30	**10 117**	175	235	30	76	120	50	105	30
	10 118	325	385	30	76	270	50	105	30

Flexible joint
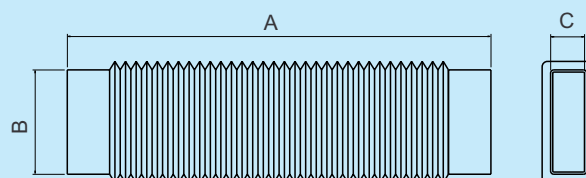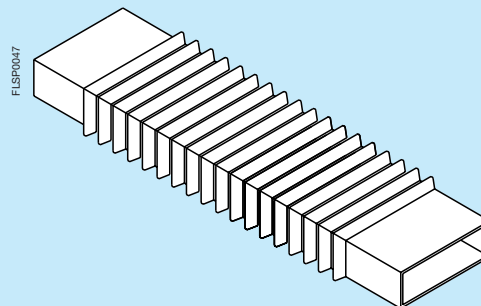
Trunking	Article	A	B	C
70 x 30	**10 157**	420	76	30

Cap for cable glands

2" GAS
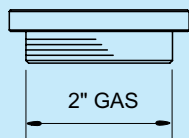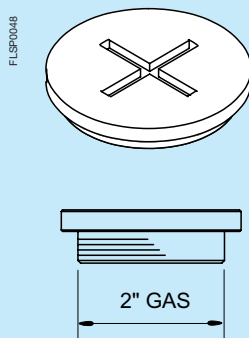
Trunking	Article
60 x 30	**10 136**
70 x 30	**10 136**

Extension coupler for cable glands
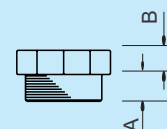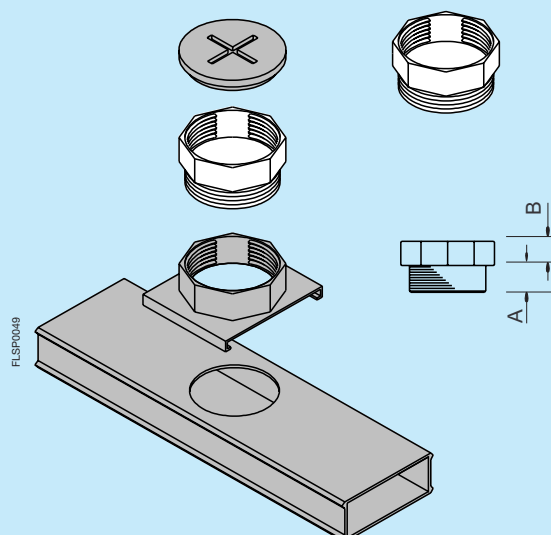
Trunking	Article	A	B
60 x 30	**10 137**	18	10
	10 138	30	10
70 x 30	**10 137**	18	10
	10 138	30	10

Overall dimensions

Scattoplast system

End cap

FLSP0050
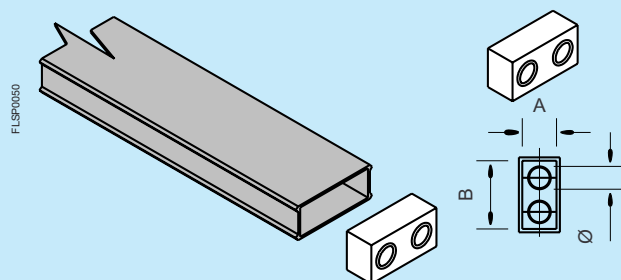
Trunking	Article	A	B	Ø
60 x 30	**10 130**	30	66	25
70 x 30	**10 131**	30	76	25

Cable gland

FLSP0051
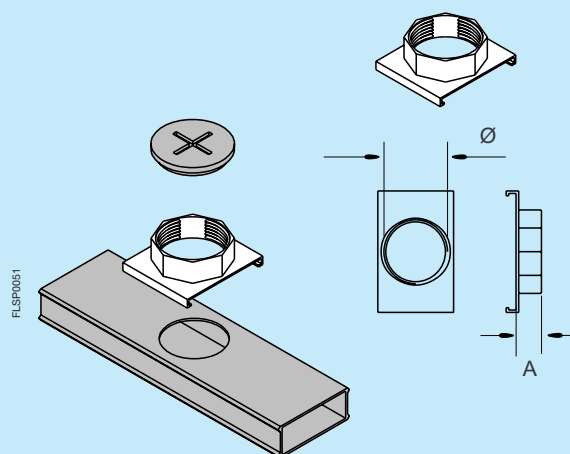
Trunking	Article	A	Ø
60 x 30	**10 135**	22	2" GAS
70 x 30	**10 139**	22	2" GAS

Junction box

FLSP0052
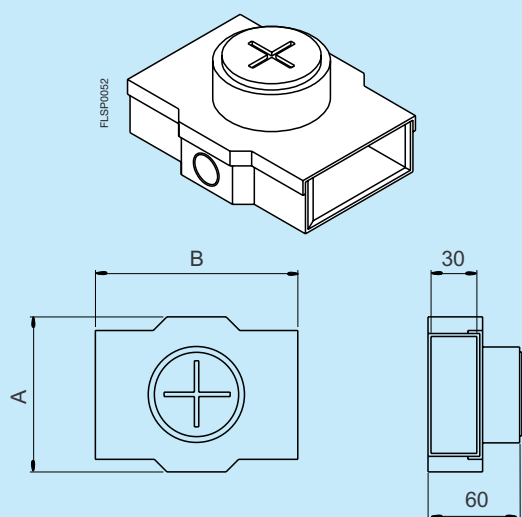
Trunking	Article	A	B
60 x 30	**10 155**	105	137
70 x 30	**10 156**	105	137

Scattoplast 70x30 and 95x30 mm with twin compartments

Distribution trunking with twin compartments
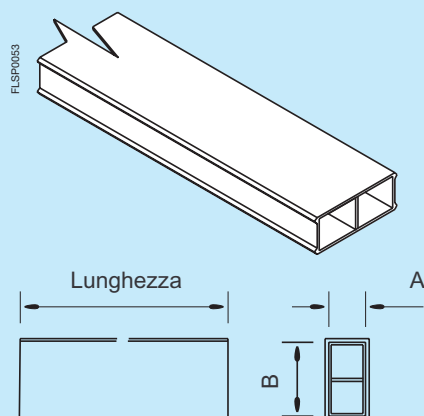
Trunking	Article	A	B	Lg.
	10 031	30	76	3000
70 x 30	**10 033**	30	76	4500
	10 035	30	76	6000
	10 043	30	95	3000
95 x 30	**10 045**	30	95	4500
	10 047	30	95	6000

Coupler
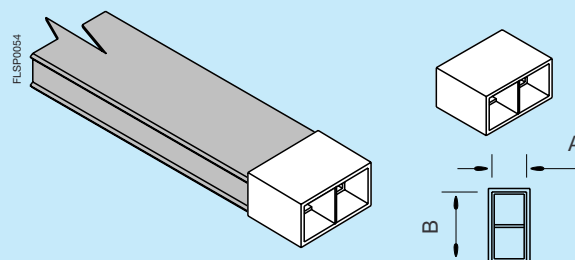
Trunking	Article	A	B
70 x 30	**10 102**	30	76
95 x 30	**10 103**	30	95

Flat tee

Trunking	Article	A	B	C
70 x 30	**10 147**	180	170	55
95 x 30	**10 148**	200	170	55

Flat crossover
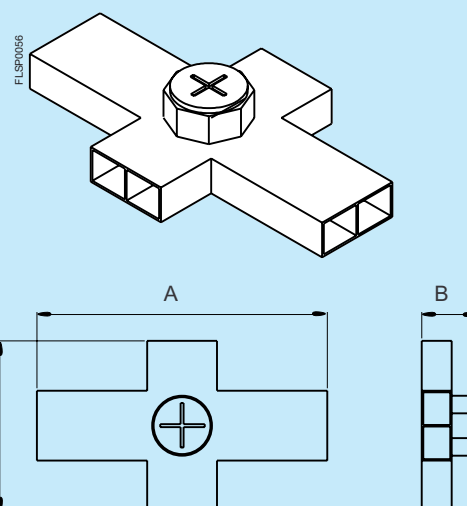
Trunking	Article	A	B	C
70 x 30	**10 152**	280	170	55
95 x 30	**10 153**	300	170	55

Overall dimensions

Scattoplast system
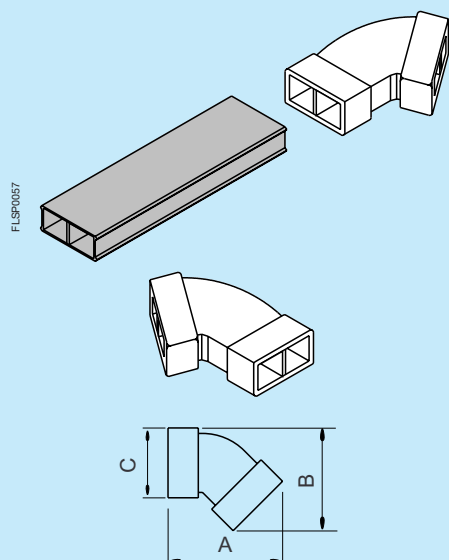
45° angle bend

Trunking	Article	A	B	C
70 x 30	**10 106**	136	122	83
95 x 30	**10 107**	169	155	99

90° angle bend
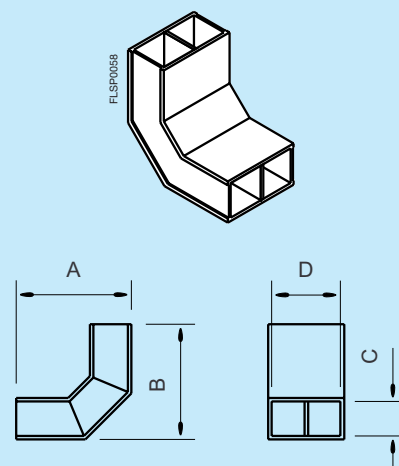
Trunking	Article	A	B	C	D
70 x 30	**10 112**	130	100	30	76
95 x 30	**10 113**	130	100	30	95

Trunking flyover
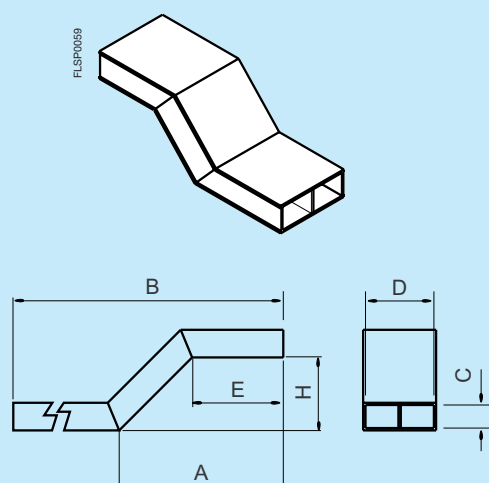
Trunking	Article	A	B	C	D	E	H
70 x 30	**10 119**	105	165	30	76	50	30
95 x 30	**10 122**	105	165	30	95	50	30

Trunking flyover
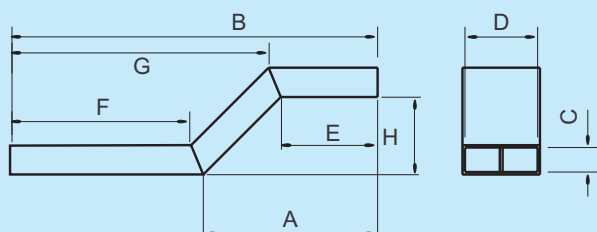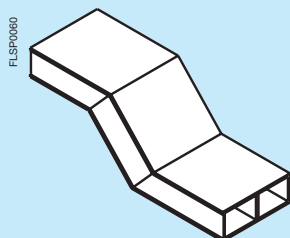
Trunking	Article	A	B	C	D	E	F	G	H
70 x 30	**10 120**	175	235	30	76	120	50	105	35
	10 121	325	385	30	76	270	50	105	35
95 x 30	**10 123**	175	235	30	95	120	50	105	35
	10 124	325	385	30	95	270	50	105	35

Flexible joint
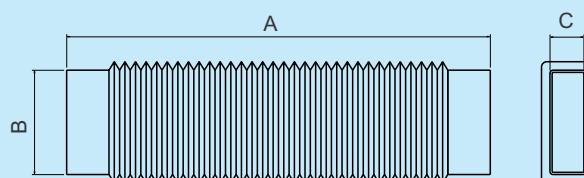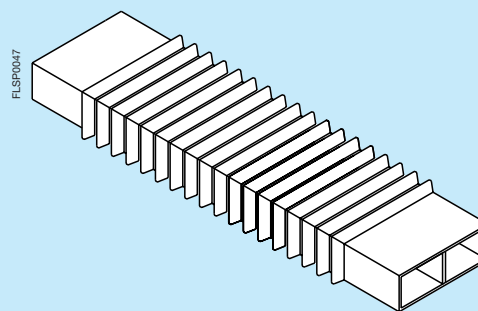
Trunking	Article	A	B	C
95 x 30	**10 158**	420	95	30

Cap for cable glands

2" GAS
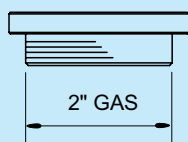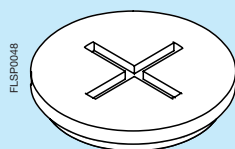
Trunking	Article
70 x 30	**10 136**
95 x 30	**10 136**

Extension coupler for cable glands
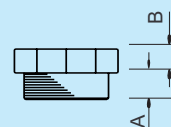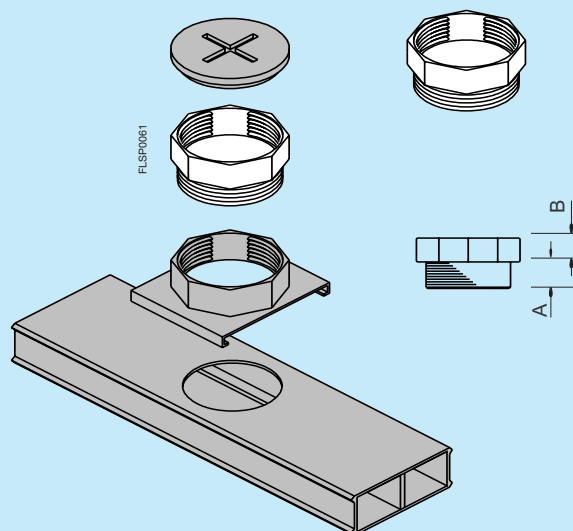
Trunking	Article	A	B
70 x 30	**10 137**	18	10
	10 138	30	10
95 x 30	**10 137**	18	10
	10 138	30	10

Overall dimensions

Scattoplast system

End cap

FLSP0062
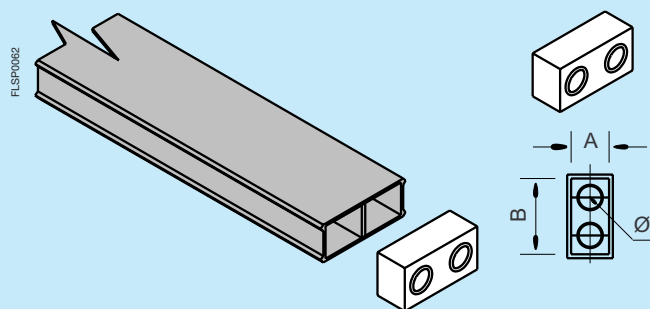
Trunking	Article	A	B	Ø
70 x 30	**10 131**	30	76	25
95 x 30	**10 132**	30	95	25

Cable gland

FLSP0063
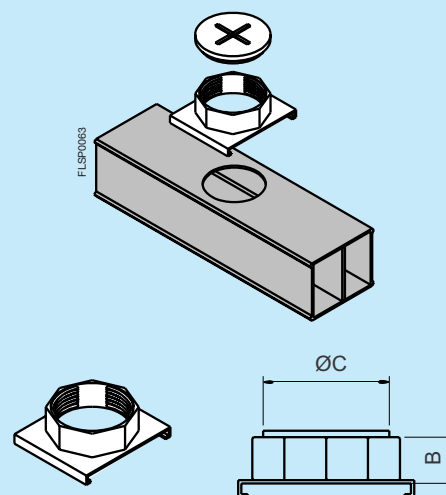
Trunking	Article	B	Ø
70 x 30	**10 139**	22	2" GAS
95 x 30	**10 140**	22	2" GAS

Cable gland

FLSP0064
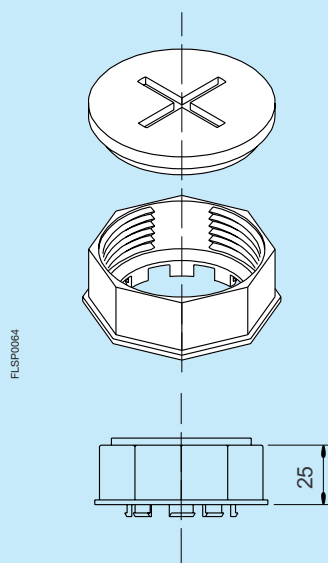
Trunking	Article
70 x 30	**10 141**
95 x 30	**10 141**

Junction boxes

Junction box for raised floors

FLSP0065

150

150

65

Article
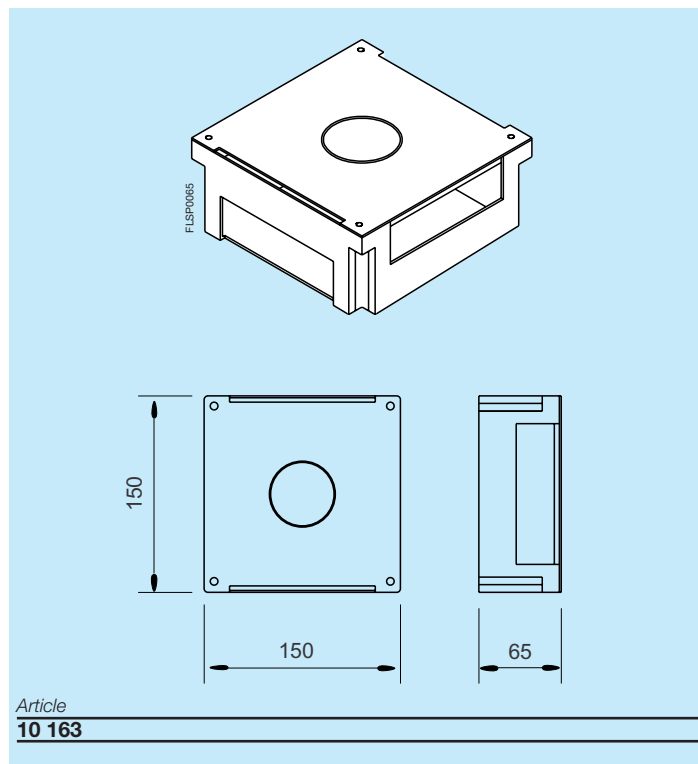
10 163

Junction box for traditional floors

FLSP0066

25

150

150

90
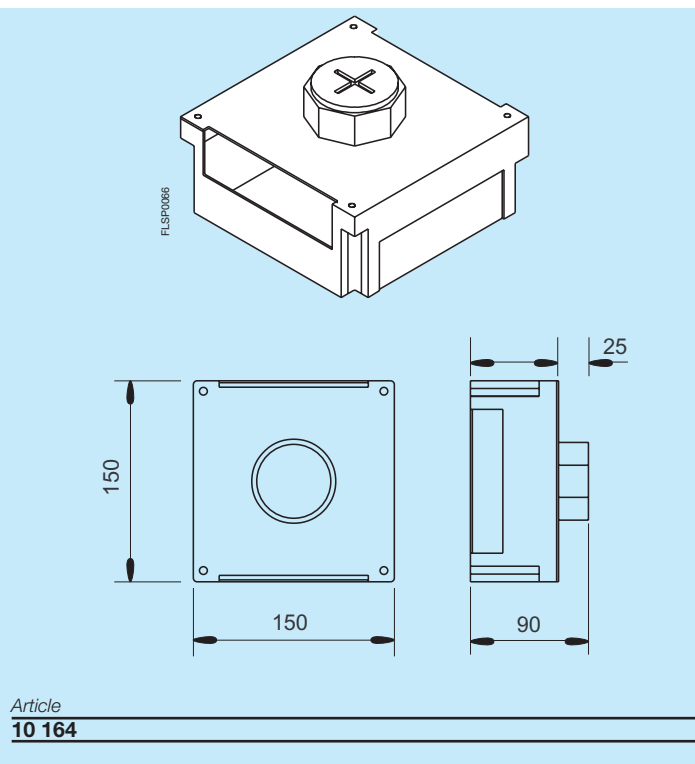
Article

10 164

Box for primary branch connection
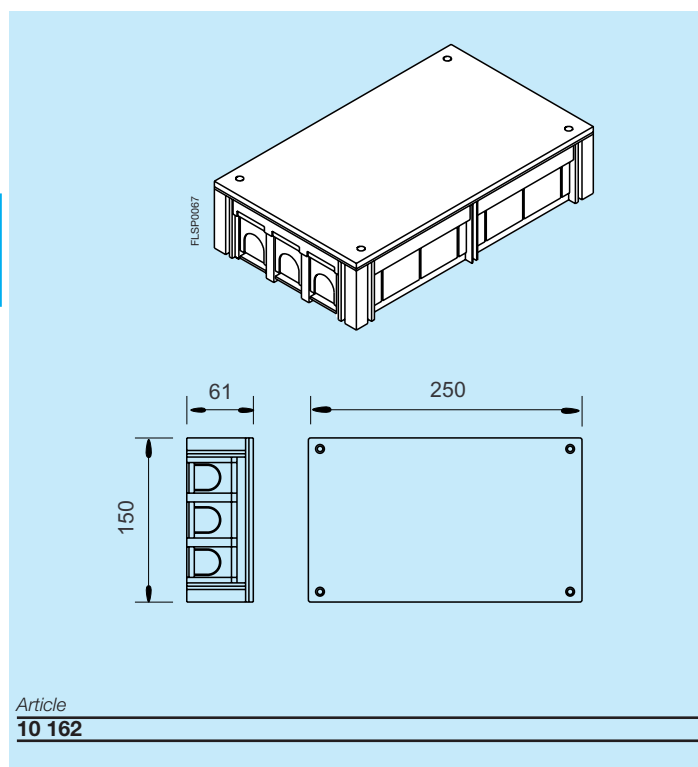
FLSP0067

61

250

150

Article

10 162

Box for secondary branch connection

FLSP0068

A

A

B

Article	A	B
10 160	75 x 75	34
10 161	95 x 95	34

8
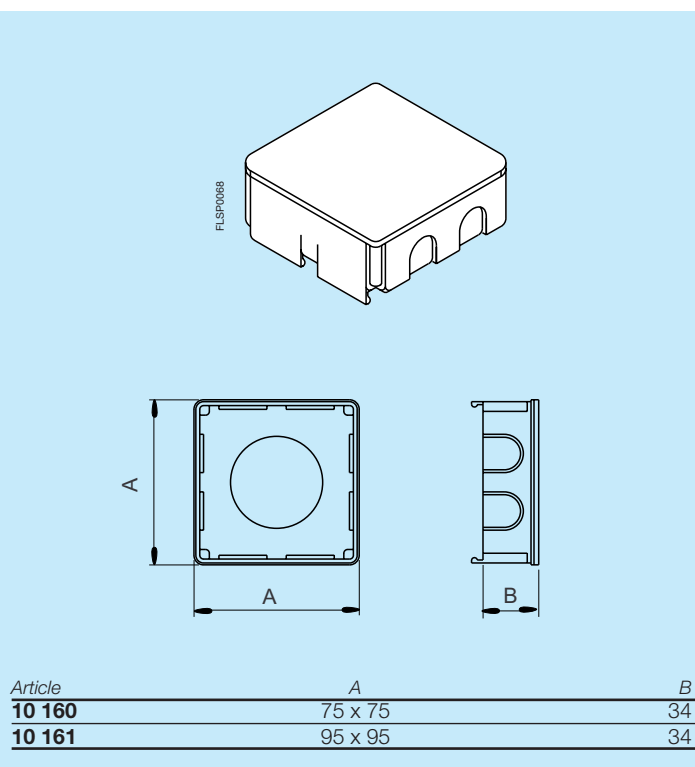
Accessories and tools

Separator

Bulkheads for inserting into boxes art. 10 163 and 10 164

FLSP0069

37

450

90

118   118

FLSP0070

B   18

A

Ø
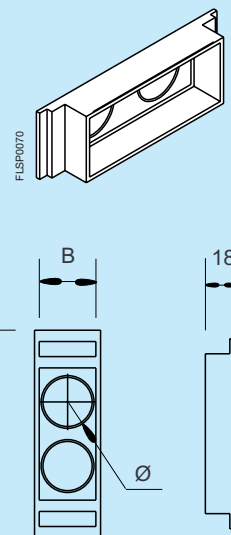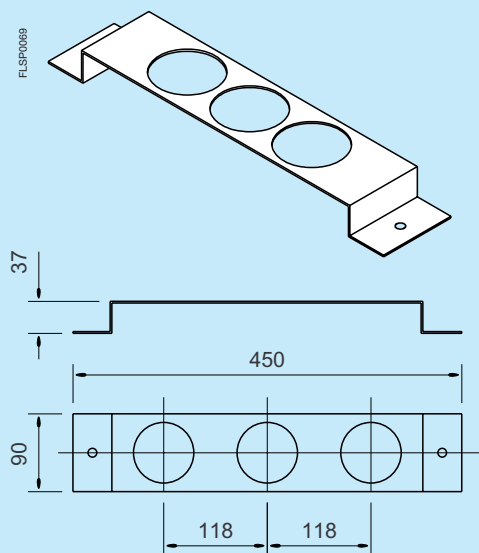
Article
10 180

Article	A x B	Ø
10 165	70 x 30	25
10 166	95 x 30	32

8

Silumin boxes

Junction boxes

FLSP0071

400

400

55-65
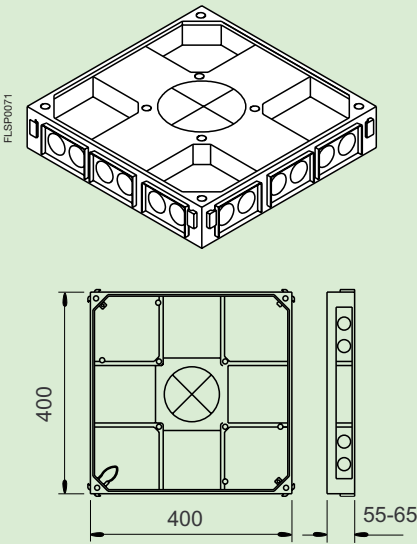
Article
10 170

Junction boxes

FLSP0072

270

270

55-70
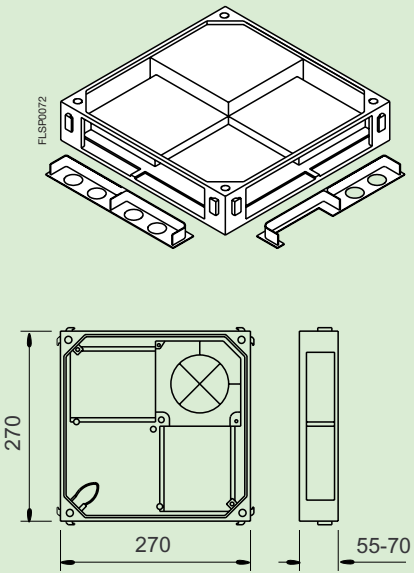
Article
10 171

Frames for Silumin boxes

FLSP0073

A

A

B

B
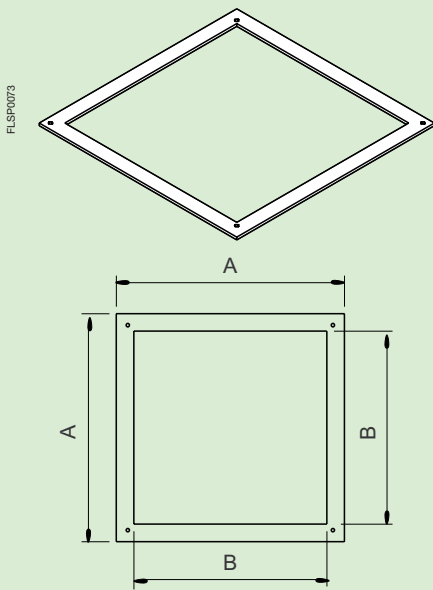
Article	*A*	*B*
10 176	282	240
10 178	282	240
10 177	410	347
10 179	410	347

Overall dimensions

Junction boxes

13 mm height lid

FLSP0074
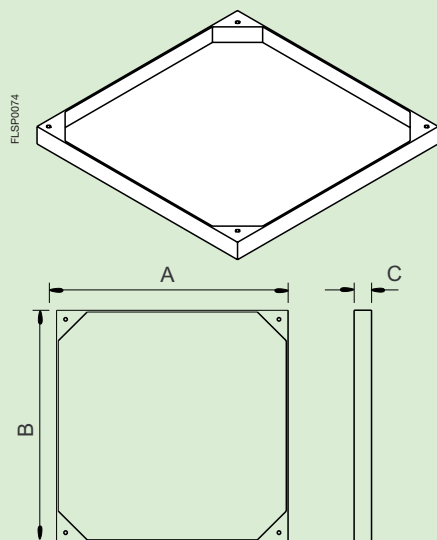
Article	A	B	C
10 172	400	400	13
10 174	270	270	13

30 mm height lid

FLSP0075
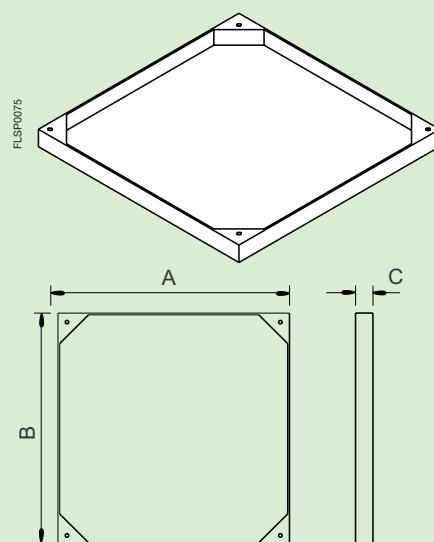
Article	A	B	C
10 173	400	400	30
10 175	270	270	30

8

Metal series boxes

Silumin junction box

FLSP0076

30   180

Ø 25

70

300

55
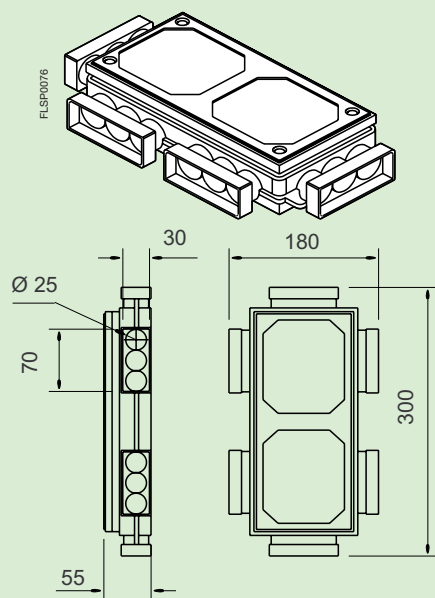
Article
10 401

Accessories

Wire-covering plate for disabled boxes

FLSP0077

257

137
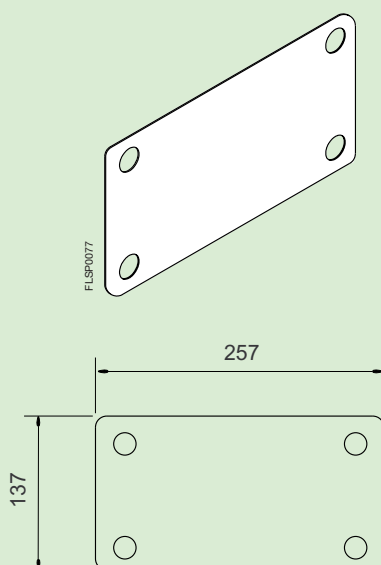
Article
10 413
10 414

Multifunctional Multiplast system

Multifunctional box

FLSP0078

160   115

210
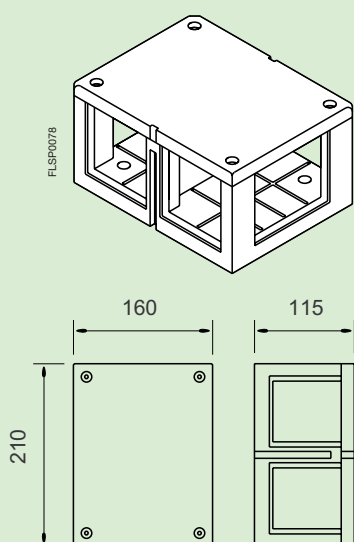
Article
10 301

Accessories
**Coupler for trunkings section 70x30 mm
Scattoplast system**
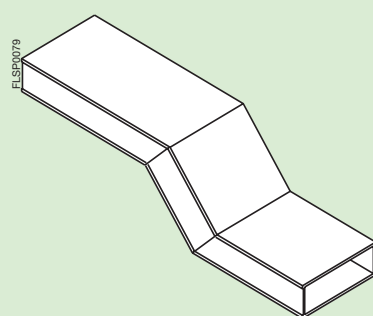
**Coupler for trunkings section 95x30 mm
Scattoplast system**

FLSP0079

400

95

65

70

30

160

Article
10 318

FLSP0080

400

95

95

65

160

30

Article
10 321

8
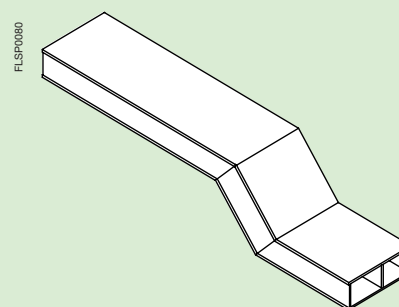
Lusy floor boxes

2-unit floor boxes

112-125

106   100

FLSP0081
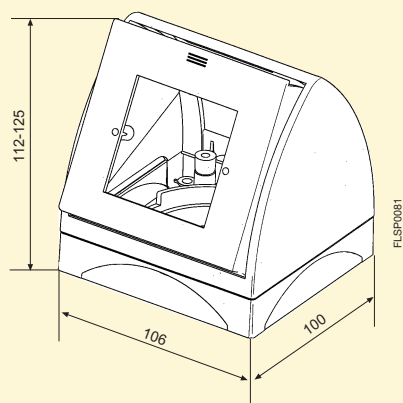
Article
10 505

4-unit floor boxes

112-125

160   100

FLSP0082
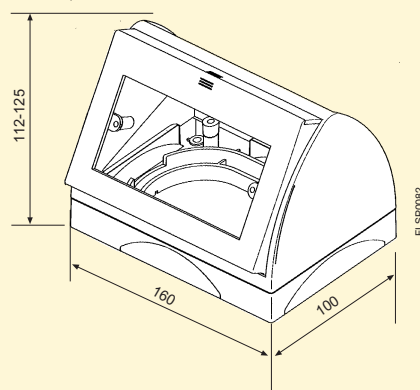
Article
10 506

Support for Metal series box

FLSP0083

160   65

155   16

Article
10 533

Ring nut Ø 2"x 30 mm

FLSP0084

35   30

60

Article
10 530

Ring nut Ø 2"x 50 mm

FLSP0085

55   50

60

Article
10 559

Concept floor boxes

Towers

FLSP0086

120

155

155

Article
10 501
10 502

Accessories

Adapter for mounting 3 units

FLSP0087

144

10

80

83.5

Article
10 522
10 523

Support for Metal series boxes

FLSP0088

155

13

155

Article
10 524
10 525

8

Accessories

Ring nut Ø 2" x 30 mm

Ring nut Ø 2" x 50 mm

FLSP0084

FLSP0085

35 30 60

55 50 60
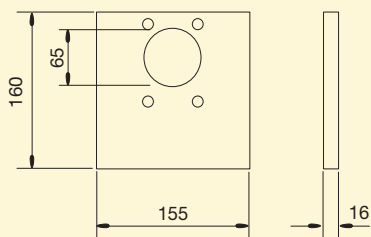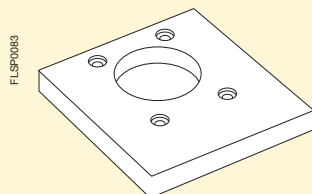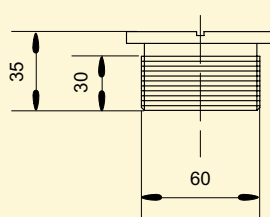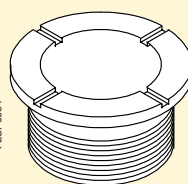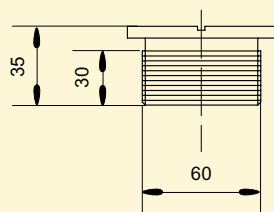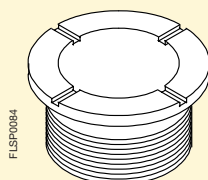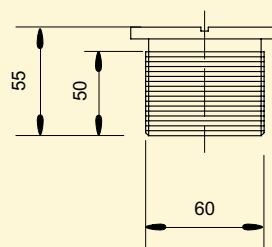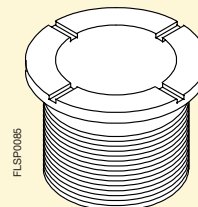
Article
10 530

Article
10 559

Support for Scattoplast
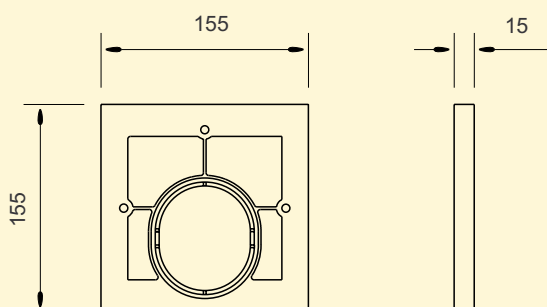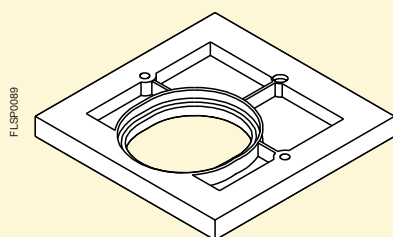
Support for boxes articles 10 163 and 10 164

FLSP0089

FLSP0090

155 15 155

155 15 155
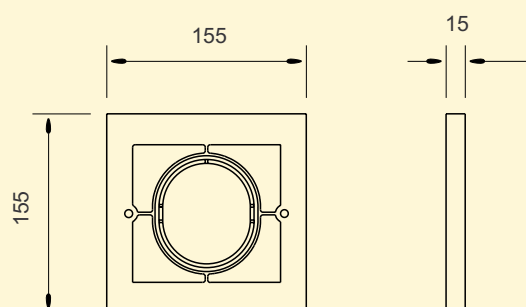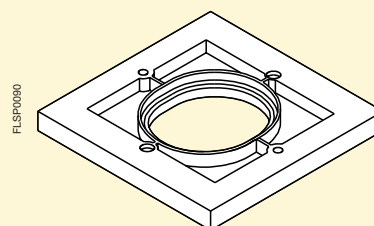
Article
10 526
10 527

Article
10 528
10 529

Telec floor boxes

Floor boxes for electric services
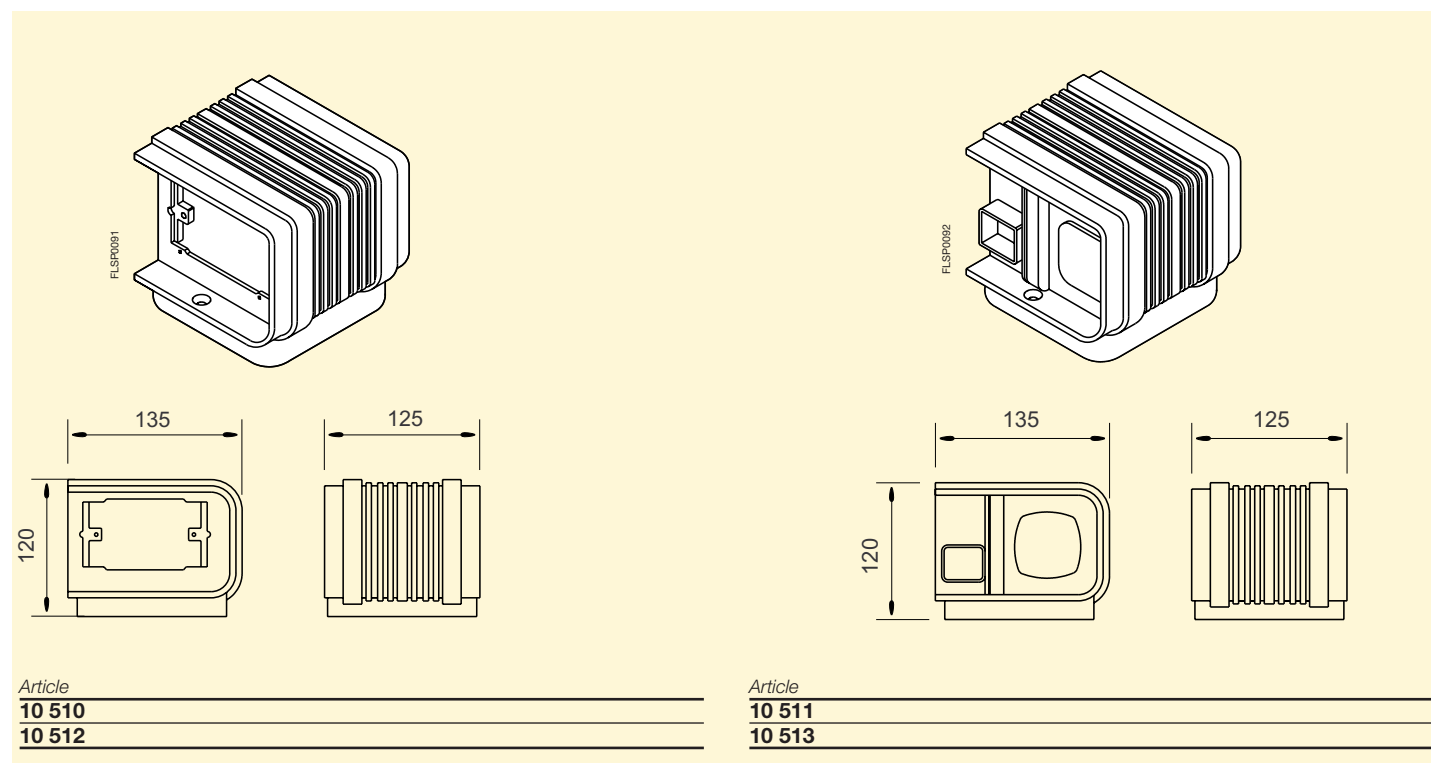
FLSP0091

135   125

120

Article
10 510
10 512

Floor boxes for telephone and auxiliary services

FLSP0092

135   125

120

Article
10 511
10 513

Accessories

Supports in painted Silumin

FLSP0093

158   15

284

Article
10 542

Support in painted Silumin for three floor boxes

FLSP0094

400   25

125

Article
10 547

Support in plastic

FLSP0095

125   15

135

Article
10 543
10 544

8

Overall dimensions

Floor boxes

Support in plastic

125
15
135

Article
10 545
10 546

Support in painted Silumin

158
11
284

Article
10 548

Support for Metal series boxes

125
20
135

Article
10 550

Ring nut Ø 2" x 30 mm

35
30
60

Article
10 530

Ring nut Ø 2" x 50 mm

55
50
60

Article
10 559

Telemix-60

125
15
315
2.5

Article
10 558

Telemix-60-P

115
240
125
2.5

Article
10 560

Multivert desk service units

Desk service unit

Ø 245   600

Article
10 601

Modular panels (3 for every side of the unit)

Panel for telephone connectors   **Panel for modular sockets (max 3)**   **Panel for modular sockets (max 4)**

105   12

192

Article
10 611

105   12

192

Article
10 612

105   12

192

Article
10 613

8
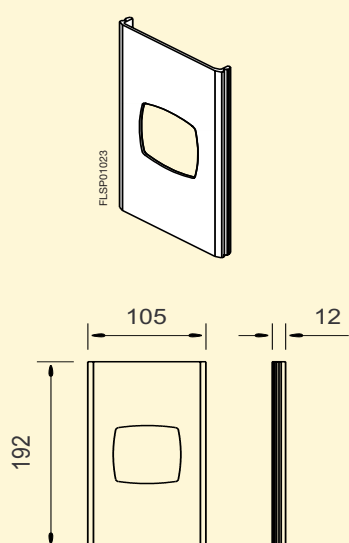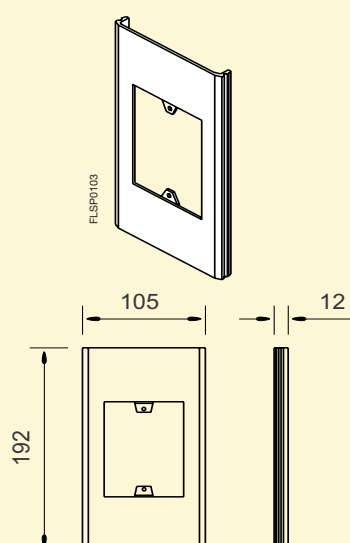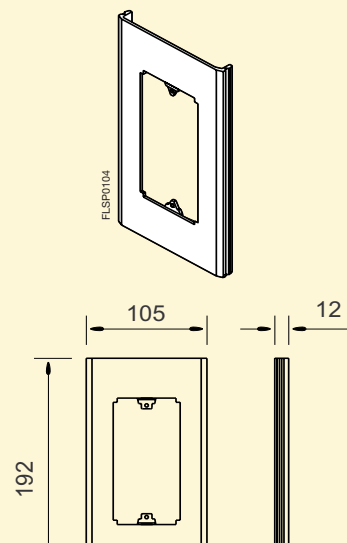
Overall dimensions

Floor boxes

Panel for 1 BUSCH-E 2000 device

FLSP0105

105   12

192
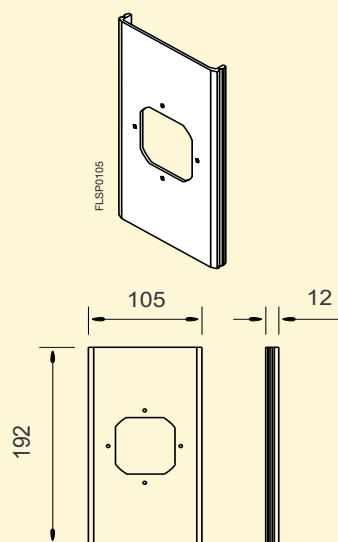
Article
10 616

Panel for 1 BUSCH-E 2000 devices (max 2)

FLSP0106

105   12

192
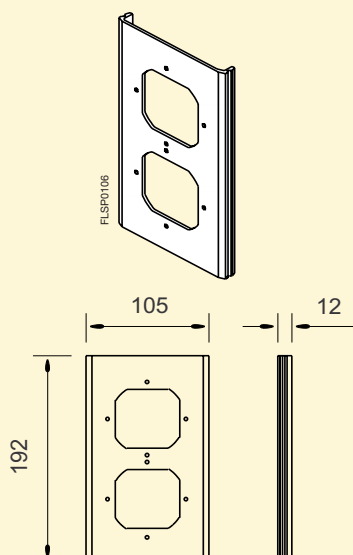
Article
10 617

Panel for modular DIN rail components (5 modules)

FLSP0107

105   12

192
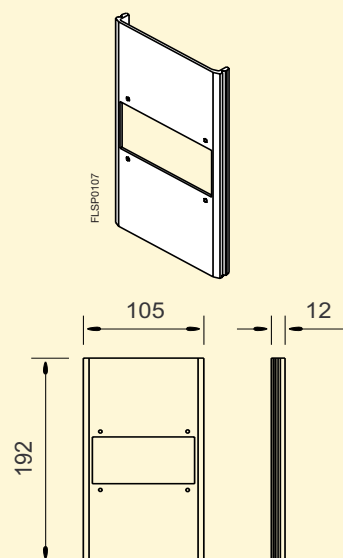
Article
10 614

Accessories

Blank panel

FLSP0108

105   12

192
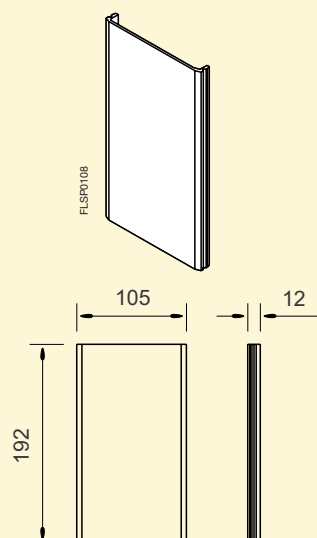
Article
10 615

Internal closing panel

FLSP0109

580

105
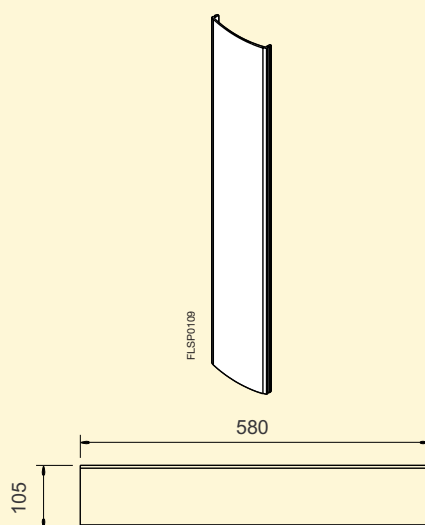
Article
10 618

Protection cover for MCBs (max 5 modules)
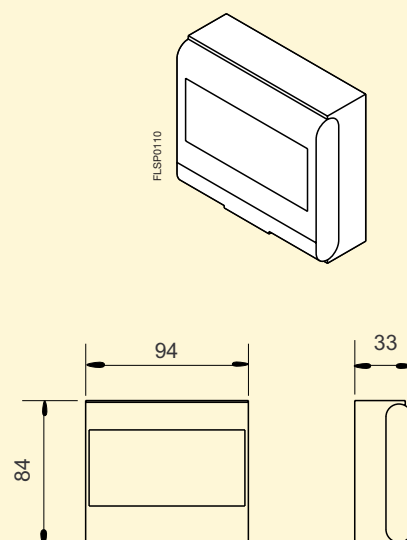
FLSP0110

94   33

84

Article
10 620

Undernet floor boxes

Boxes for 10 devices

FLSP0111

200	100
265	270
210	
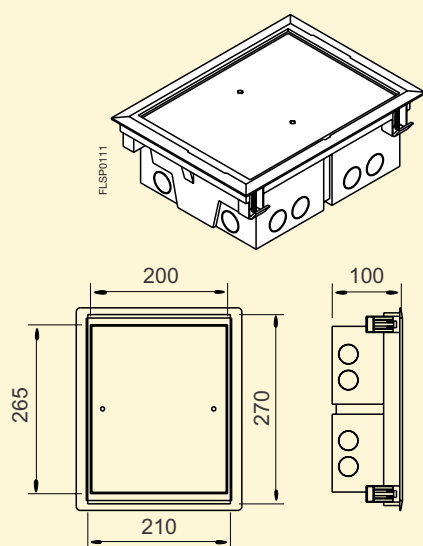
Article	Slot
10 902	280x211
10 903	280x211

Boxes for 16 devices

FLSP0112

| 100 |
| 300 |
| 310 |
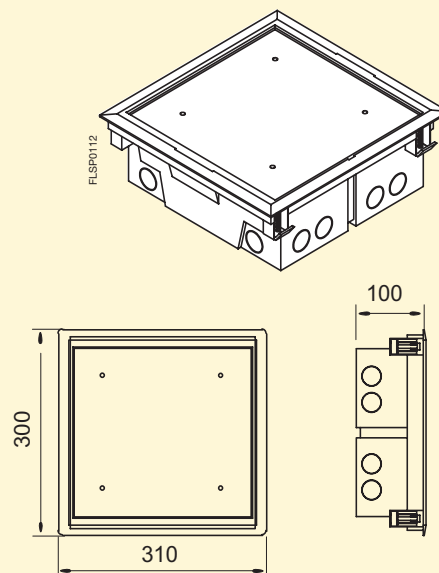
Article	Slot
10 900	280x285
10 901	280x285

Accessories for 10 devices Undernet floor boxes art. 10 902 and art. 10 903

Universal support for 3 modular devices

173

83.5

FLSP0113
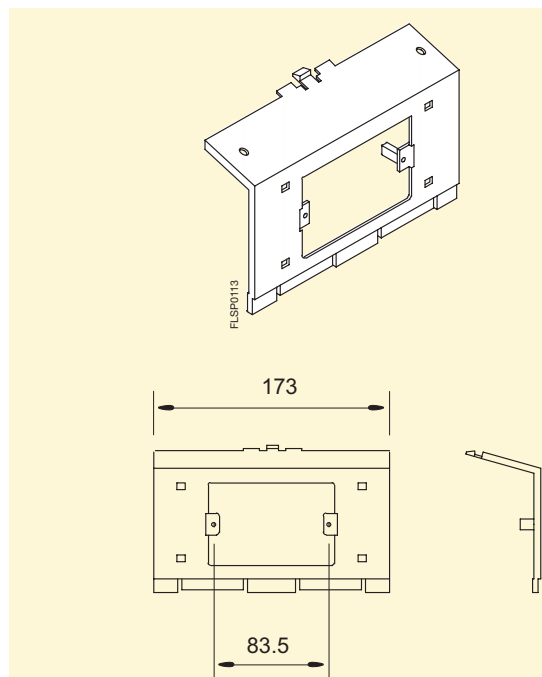
Article
10 918

Universal support for 4 modular devices

173

108

FLSP0114
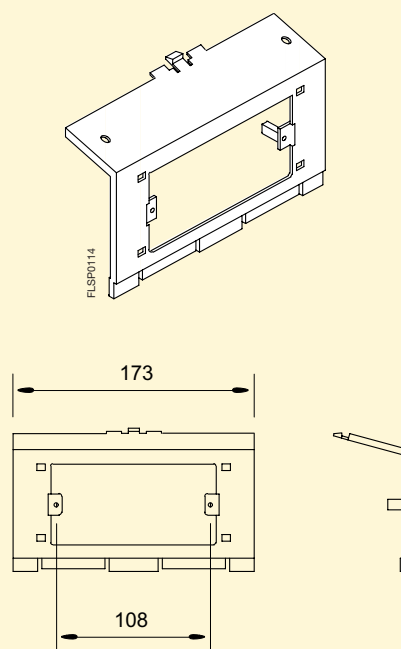
Article
10 919

Universal support for 5 modular devices

173

132

FLSP0115
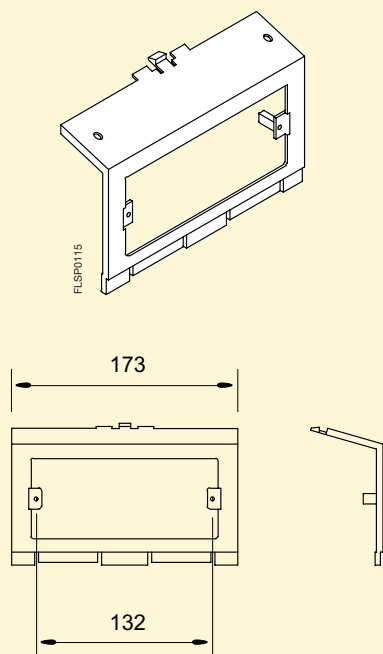
Article
10 920

Plate support for 5 Vimar 8000/BTicino Magic

173

FLSP0116

Article
10 925

8

Plate support for 3 devices + 1 Schuko BTicino Magic

FLSP0117

173

48

Article
10 926

Plate support for 1 device + 2 Schuko BTicino Magic

FLSP0118

173

48   48
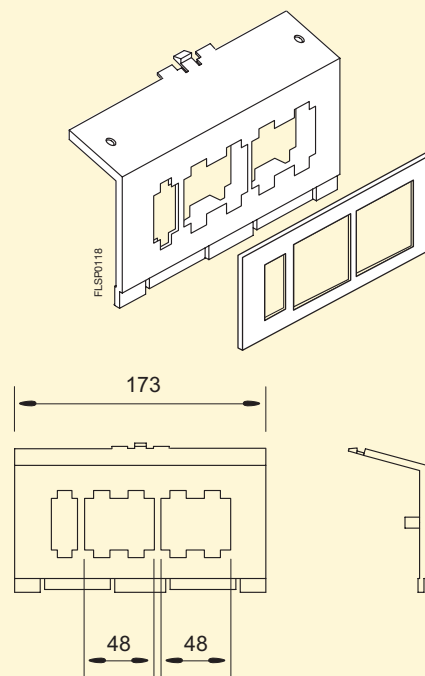
Article
10 927

Plate support for 5 Vimar Idea/8000

FLSP0119

173

125
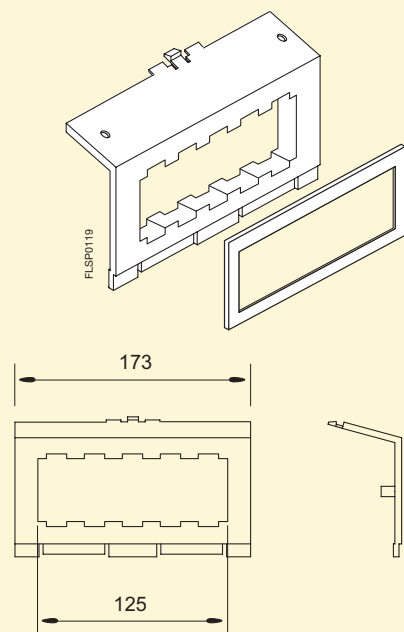
Article
10 928

Support for triple Schuko sockets art. 10 719

FLSP0120

173
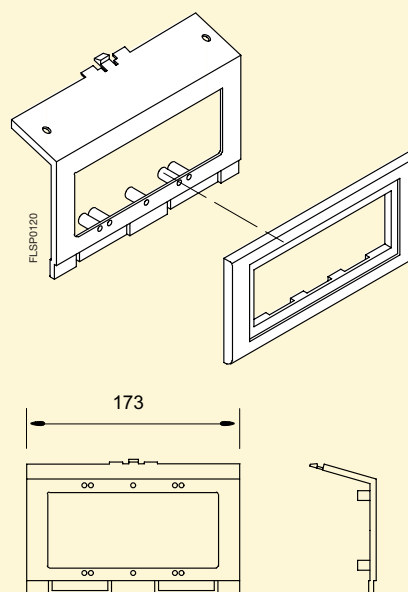
Article
10 921

Overall dimensions

Floor boxes

Triple Schuko socket

FLSP0121

140

60
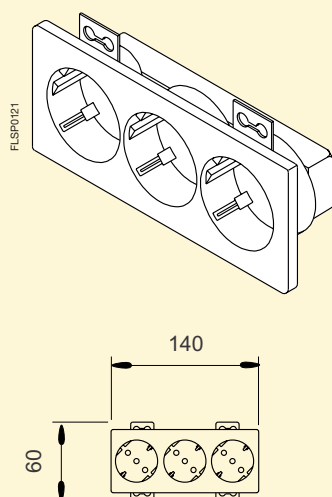
Article
10 719

Flush-mounting metal box for traditional floors, 105 mm deep
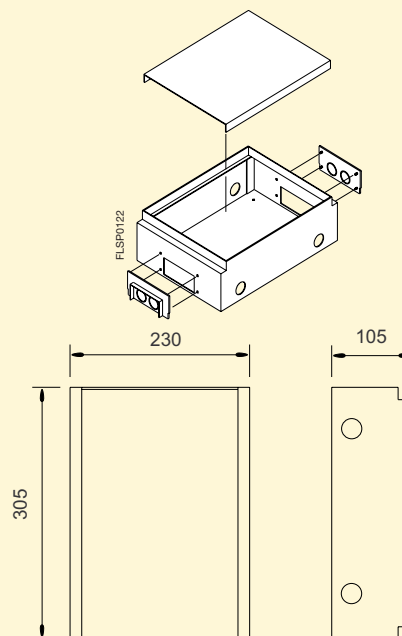
FLSP0122

230

105

305

Article
10 930

Accessories for 16 devices Undernet floor boxes art. 10 900 and art. 10 901

Universal support for 3 devices

FLSP0123

124

83,5

Article
10 910

Universal support for 4 Vimar 8000/BTicino Magic
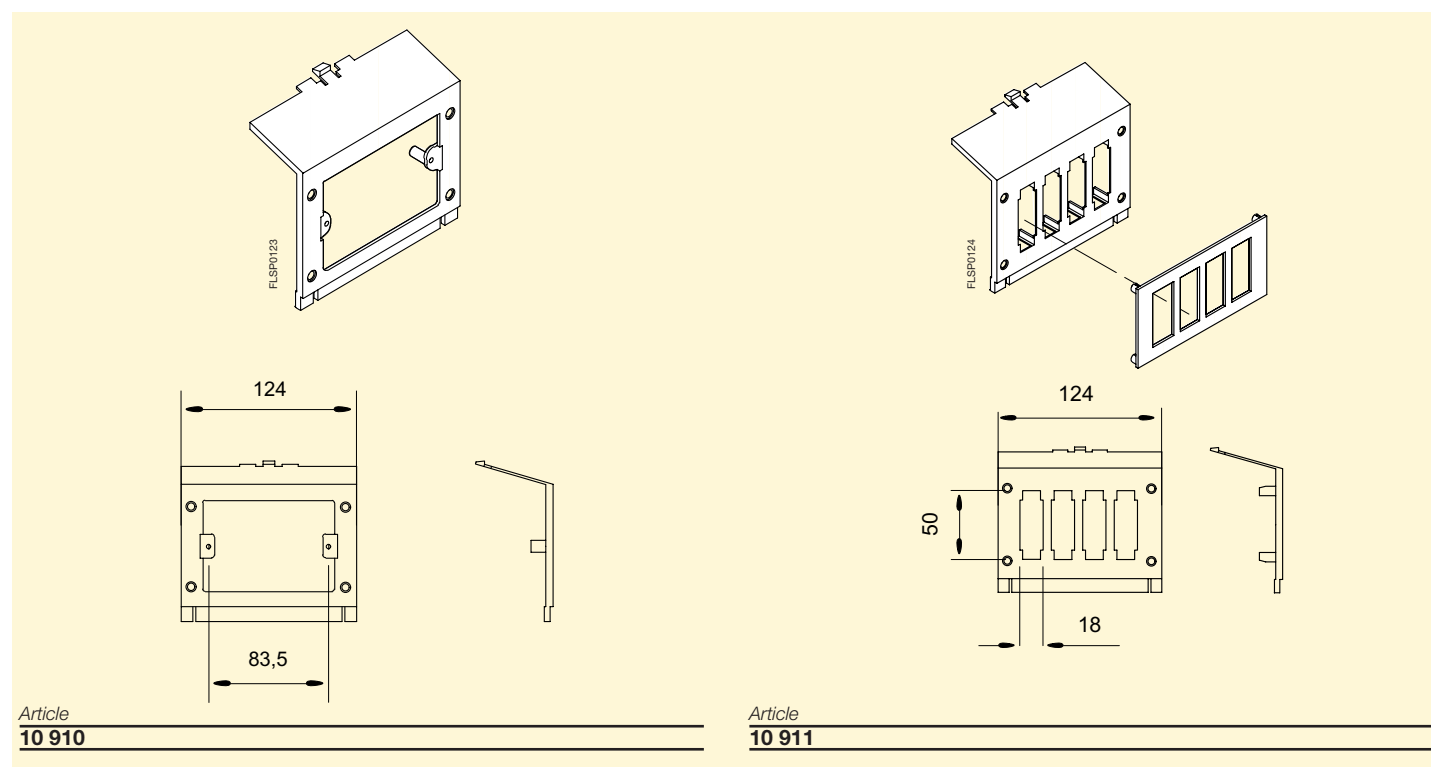
FLSP0124

124

50

18

Article
10 911

**Plate support for 2 devices
+ 1 Schuko BTicino Magic**

FLSP0125

124

50

18

48

Article
10 912

Plate support for 2 Schuko BTicino Magic

FLSP0126

124

45

100

Article
10 913

8
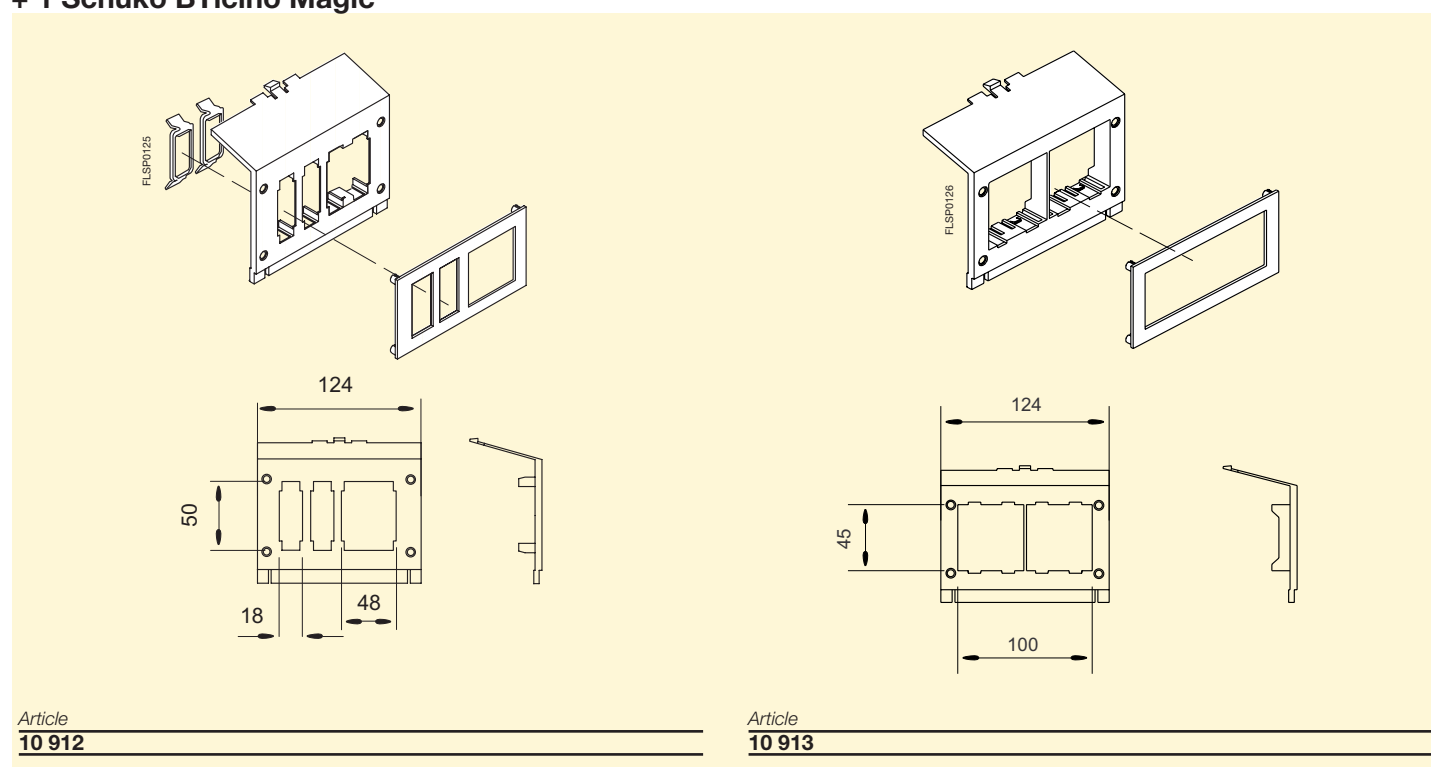
Overall dimensions

Floor boxes

Plate support for 4 Vimar Idea/8000

FLSP0127

124

45

100
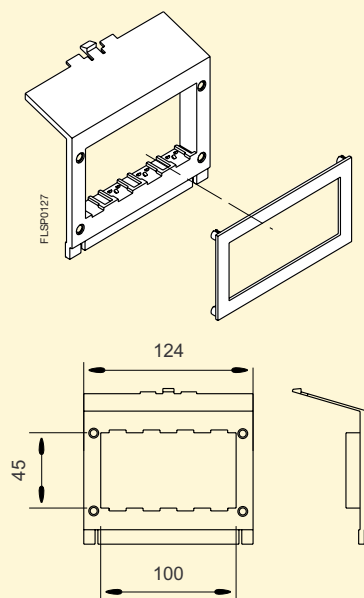
Article
10 914

Flush-mounting metal box for traditional floors, 105 mm deep

FLSP0128

310

305

105

Article
10 931

8

Systems for light prefabrication

Box for socket Ø 60 mm

FLSP0129

60   45

Article
10 801

Box for socket and branch connection Ø 60 mm

FLSP030
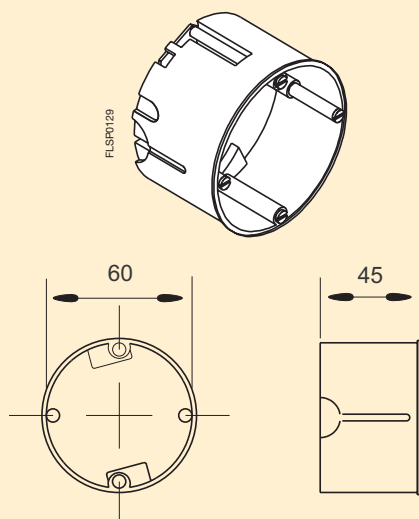
60   61
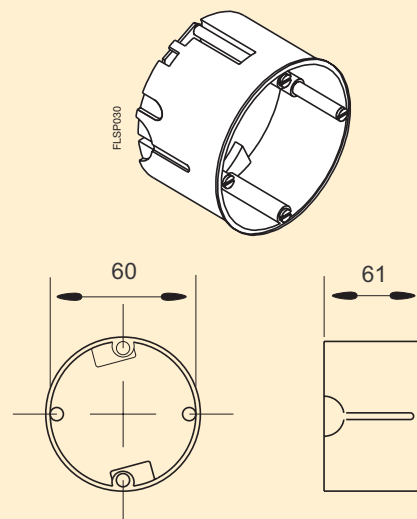
Article
10 802

Box for wall lights 65 x 35 mm

FLSP0131

65   40

35

Article
10 805

Box for socket Ø 60 mm

FLSP0132

Ø60   35

Article
10 807

8
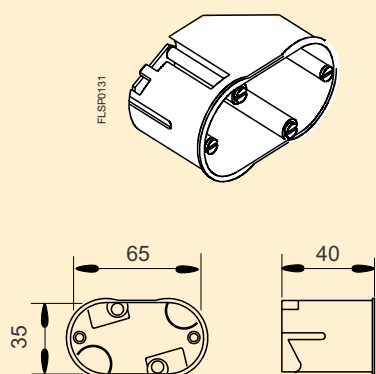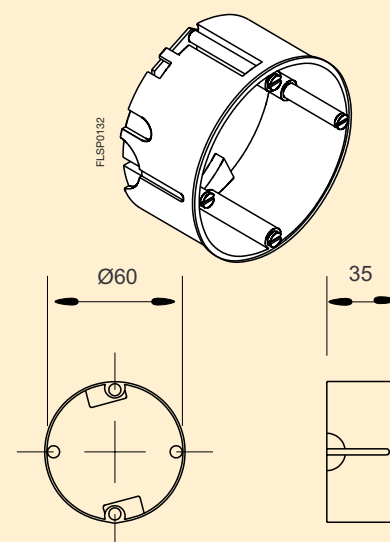
Overall dimensions

Systems for prefabricated buildings

Box for increased branch connection Ø 74 mm

FLSP0133

Ø74   51

Article
10 803

Box for modular sockets 100 x 62 mm

FLSP0134

100   40   65

Article
10 804

Box for branch connection100 x 100 mm

FLSP0135

100   45

100

Article
10 808

8

Box for 8-module consumer units

FLSP0136

165

165

65

Article
10 821

Box for 12-module consumer units

FLSP0137

235

205

65

Article
10 822

Cover for 8-module consumer units

FLSP0138

180

180

27

Article
10 833

Cover for 12-module consumer units

FLSP0139

255

225

30

Article
10 834

8

Incaplast boxes

Box

FLSP0140

90

78

95

Ø 30

Ø 25

Article

10 860

Index

Form for ordering Scattoplast
drilled trunkings

On request trunkings can be supplied with holes for housing bulkheads. In this way the branch connection of cables is even easier.
Using the following diagram, please indicate the article selected, the number of pieces to be drilled, the distance from the extremity of the trunking and the distance between the holes.
The diameter of the hole is 47 mm.

1) Please photocopy the page at the side
2) Fill it in
3) Send it via fax or deliver it to your retailer together with the order
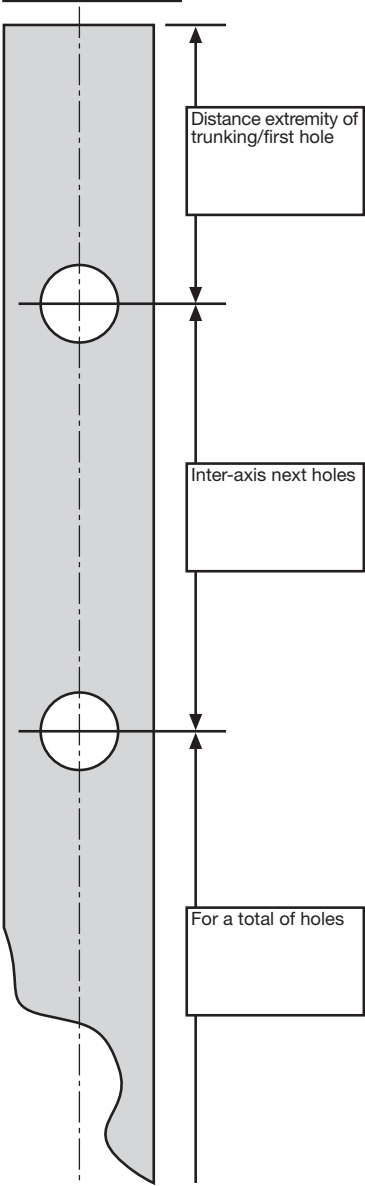
Metal series boxes (for 70 x 30 mm trunkings) and Multiplast multifunction boxes (for 70 x 30 mm and 95 x 30 mm trunkings) can be connected to the Scattoplast system.

Holes at a constant distance

Complete every column with the data in mm

Article

Quantity

Distance extremity of trunking/first hole

Inter-axis next holes
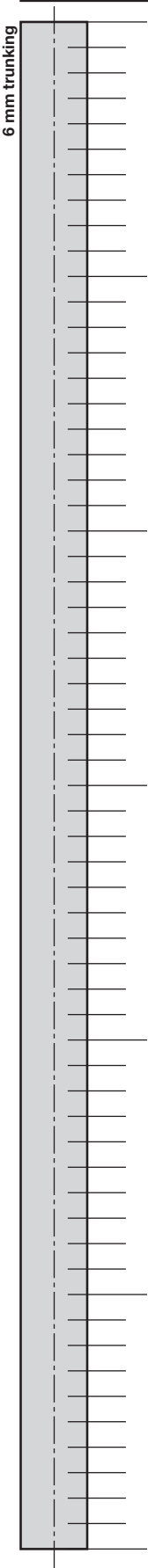
For a total of holes

Variable distance holes

The following measurements in mm are needed:
- inter-axis distance of the first hole from the extremity of the trunking
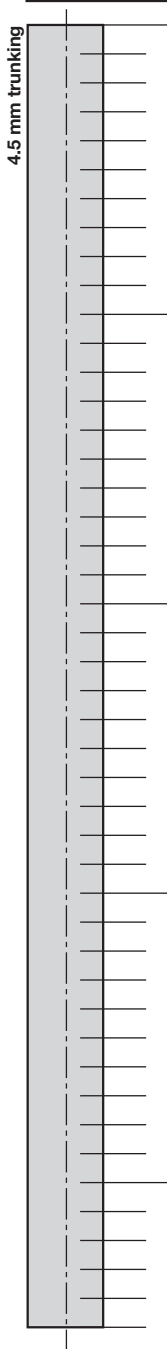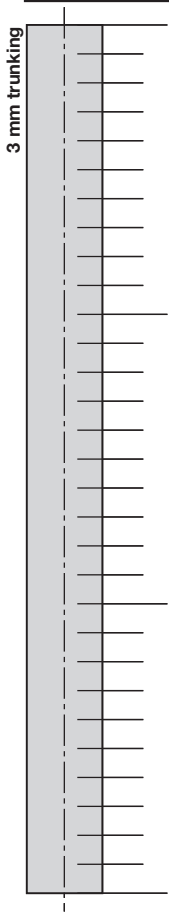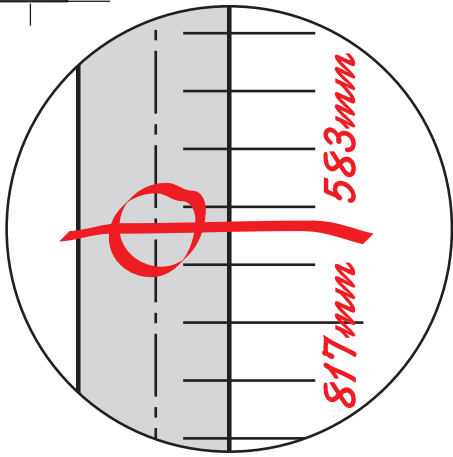- inter-axis between every individual hole and the next one

Article

Amount

6 mm trunking

Article

Amount

4.5 mm trunking

Article

Amount

3 mm trunking

Example of measurement

583mm

817mm

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