



Connection Solutions
4Workplaces

simon
connect

**general
catalogue**
2013 - 2014

general catalogue

2013 - 2014

simon
connect

Simon - International

ARGENTINA - Buenos Aires



ITALY - Turin



BENELUX - Barchon



MEXICO - Mexico DF



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Simon - Spain and Portugal

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MATERIAL ELÉCTRICO

Investee company:

Bioaccez 

urbioTica
THE CITY OPERATING SYSTEM

WELCOME TO THE ERA **LED**



SPOTLIGHT 630



SPOTLIGHT 601



LINEAR SPOTLIGHT 610



DOWNLIGHT 701



DOWNLIGHT 710



LUMINAIRE 720



HANGING
SPOTLIGHT 801

LED LIGHTING SIMON COLLECTION



SPOTLIGHT 620
SURFACE - ELECTRIFIED RAIL



SPOTLIGHT 620
FLUSH-MOUNTED



LIGHTING CONTROL
SYSTEM - SCENA



LEDflex 810



LEDSTRIP 811

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> K45 surface and
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> PVC and aluminium mini-trunking
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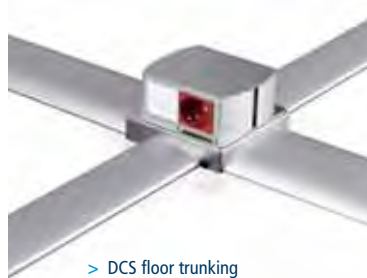
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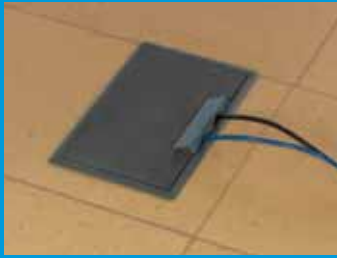
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Shallow floor boxes



Metal Enclosures. Surface boxes



Adjustable floor boxes



Metal Enclosures. Flush-mount boxes



Junction boxes



Metal Enclosures. Towers



Surface wall boxes



Electrical sockets



Flush-mount wall boxes



Voice and Data Plates



Columns



Simon K45 and Simon 27 Solutions



Mini-columns



Protection



Mini-towers

Simon 500 CIMA

Enclosures	14 >	Shallow floor boxes
	16 >	Adjustable floor boxes
	20 >	Junction boxes
	22 >	Surface wall boxes
	24 >	Flush-mount wall boxes
	26 >	Columns
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Mechanisms, sockets and plates	38 >	Electrical sockets
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Self-extinguishing, halogen-free materials:

A guarantee of safety for persons, equipment and information.



Compatibility with all the Voice, Data and Multimedia connectors on the market.

Maintenance.

The trim plates allow the connections to be maintained and inspected without having to remove the box.



Quick installation.

The mechanisms of the CIMA range are installed by direct snap-fitting without using any tools.





SHALLOW FLOOR BOXES



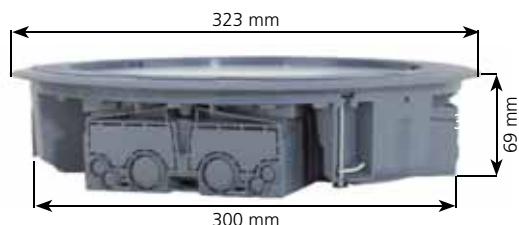
- Blends in with in any space**
The angled mechanisms make it possible to close the cover with the box connected to conceal the connections.



- Compatible with superior voice and data categories**
Thanks to the vertical position of the mechanisms and to the pre-punched entry holes, bending of patch cords for Voice and Data and Multimedia is not required.



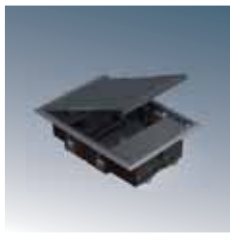
- Shallow**
The ideal solution for shallow floors, either solid or raised.



- Adaptable to changes in the office**
Thanks to the 2 separate cable outlets and the possibilities for assembling the cover, it can be adapted to different furniture positions. (Ref. 52050203-035)



SHALLOW FLOOR BOXES



Square Floor Box



+

Cover



0
Optional

52050202 -035 2 modules

52053202 -035



Circular Floor Box



+

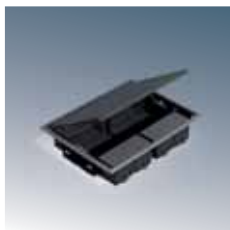
Cover



0
Optional

52050203 -035 3 modules

52053203 -035



Square Floor Box



+

Cover



0
Optional

52050204 -035 4 modules

52053204 -035

Ground trays



G201
For reference
52050202-035



G301C
For reference
52050203-035



G401
For reference
52050204-035

i Configuration example - Installation in concrete floors



	Qty.	Ref./Finish	Description
Enclosure	1	52050203-035	Shallow circular floor box for 3 modules, grey
	1	52053203-035	Cover for shallow circular floor box for 3 modules, grey
	1	G301C	Tray for shallow circular floor box for 3 modules, grey
Electrical sockets and plates	1	50010432-038	Double Schuko socket, 1 click connection system with LED, graphite
	1	50010432-037	Double Schuko socket, 1 click connection system with LED, red
	2	50001089-038	Flat V&D plate with dust protector with 2 cat. 6A RJ45, graphite

Technical details
See page 154

ADJUSTABLE FLOOR BOXES



Space for installing finish:
the cover provides 6 mm for the cover, carpet, parquet or other finishes

Safety stop:
to provide stronger cover rigidity

DIN guide support:
prepared for the installation of protection elements

Cable inlet slot cover
protects and allows the passage of connection cables

Flange opening:
allows fastening of tubes and cables using flanges

Protective foam:
protects against the entrance of dust and small objects

Maintenance:
the trim plates allow the connections to be maintained and inspected without having to remove the box

Screw-fastenings:
maximum strength of the assembly

Pre-punched holes for tube entry:
present around the entire perimeter

Metal divider plate: guarantees the electromagnetic immunity of the Voice, Data and Multimedia (VDM) installation.

✓ **Pre-punched holes for tube access:**

Two tube-inlet sizes
Ø 20 mm and
Ø 26 mm.



✓ **Adjustable mechanism-protection tray**

Available in 2 different depths:

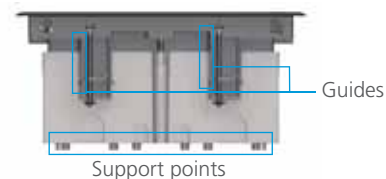


Concrete floors
70 mm adjustable
to 100 mm



Raised flooring
90 mm adjustable
to 120 mm

✓ **Greater stability**



The tray guarantees the stability of the installation thanks to the support points and levelling guides.



Connection of angled and straight plugs, as well as chargers for cell phones, PDAs, etc.

Maximum connection space



The CIMA Range is evolving to meet the future. Makes it possible to include two quick-connection connectors for installation in raised flooring. Refs. 52050104 and 52050106



Blends in fully with its surroundings.

Perfect finishes.



Maximum safety
Protected opening system. The box can only be opened by pulling both opening clips at the same time.



Fastening clips:
No junction box is required for installing floor boxes in raised flooring. The floor box attaches to the tiling by means of self-positioning metal fastening clips.

ADJUSTABLE PLASTIC GROUND TRAY

For installing floor boxes or junction boxes in concrete floors.



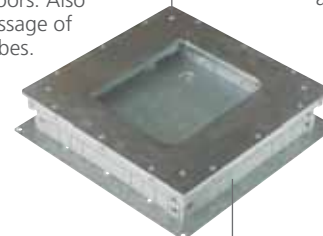
Levelling screw
allows levelling before installing

Fastening
Housing for screws for fastening to the floor

Pre-punched holes for tube entry

ADJUSTABLE METAL GROUND TRAY

For installation of floor boxes or junction boxes in concrete floors. Also allows the passage of cables and tubes.



Levelling screw
allows levelling before installation

Fastening
Housing for screws for fastening to the floor

Pre-punched holes for tube entry

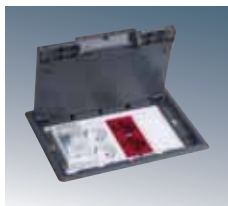
With all necessary materials

The complete floor box is supplied with a metal divider plate, mechanism-holder frame, connection cable to the earth connection and all necessary hardware.



INSTALLATION IN RAISED FLOORING - DEPTH ADJUSTABLE FROM 90 MM TO 120 MM

KITS



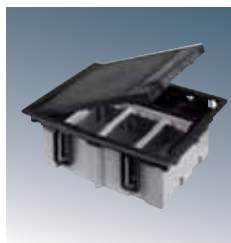
52006402 -030

UPS 4-Module Kit with 1 plate for automatic breaker or differential, 1 double Schuko socket, 1 red double Schuko socket and 2 V&D plates for 4 RJ45

Trim cover and plastic tray not included.



Floor boxes



Floor box



52050101 -035 -038 1 module

52050102 -035 -038 2 modules

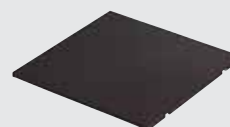
52050103 -035 -038 3 modules

52050104 -035 -038 4 modules

52050106 -035 -038 6 modules

Trim cover for flush-mounting

0
Optional



52053101 -035 -038 1 module

52053102 -035 -038 2 modules

52053103 -035 -038 3 modules

52053104 -035 -038 4 modules

52053106 -035 -038 6 modules

Accessories

Built-in mechanism-holder frame



Simon floor boxes include the mechanism-holder frame in **-030**
Frame also available in **-038**



0
Optional

Mechanism-holder frame

52051801 -038 1 module

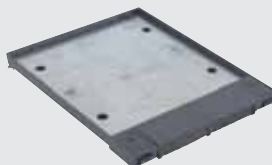
52051802 -038 2 modules

52051803 -038 3 modules

52051804 -038 4 modules

Replacement parts

Hinged cover



RSF001 /1 /14 1 module

RSF002 /1 /14 2 modules

RSF003 /1 /14 3 modules

RSF004 /1 /14 4 modules

RSF006 /1 /14 6 modules

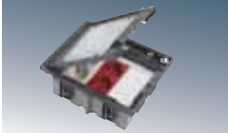
INSTALLATION IN CONCRETE FLOORS - DEPTH ADJUSTABLE FROM 70 MM TO 100 MM

KITS



52006301 -030 3-Module Kit with 2 cabled double Schuko sockets and 2 V&D plates for 2 RJ45

*Can be installed in a Raised floor
Trim cover and plastic tray not included*



52006302 -030 UPS 3-Module Kit with 1 double Schuko socket, 1 red double Schuko socket and 2 V&D plates for 2 RJ45

*Can be installed in a Raised floor
Trim cover and plastic tray not included*



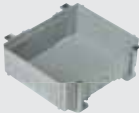

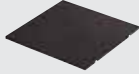
52006401 -030 Kit 4-Module Kit with 2 cabled double Schuko sockets, 1 red double Schuko socket and 2 V&D plates for 4 RJ45

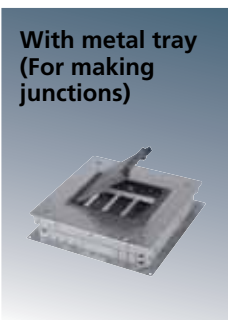
*Can be installed in a Raised floor
Trim cover and plastic tray not included*



Floor boxes



Plastic tray	Floor box	Trim cover for flush-mounting	0 Optional
			
52052101 -035 1 module	52050001 -035 -038 1 module	52053101 -035 -038 1 module	
52052102 -035 2 modules	52050002 -035 -038 2 modules	52053102 -035 -038 2 modules	
52052103 -035 3 modules	52050003 -035 -038 3 modules	52053103 -035 -038 3 modules	
52052104 -035 4 modules	52050004 -035 -038 4 modules	52053104 -035 -038 4 modules	
52052106 -035 6 modules	52050006 -035 -038 6 modules	52053106 -035 -038 6 modules	



Metal tray	Floor box	Trim cover for flush-mounting	0 Optional
			
52052203 -033 3 modules	52050003 -035 -038 3 modules	52053103 -035 -038 3 modules	
52052204 -033 4 modules	52050004 -035 -038 4 modules	52053104 -035 -038 4 modules	
52052206 -033 6 modules	52050006 -035 -038 6 modules	52053106 -035 -038 6 modules	

A plastic or metal tray must be used for installation in concrete floors

Use of the plastic tray:
All the space in the tray is filled with the floor box. The cables enter through a corrugated tube.

Use of the metal tray:
A space must be left between the floor box and the tray to allow the passage of cables or tubes.
Cable entry is through floor trunking.



Cut the trunking entries



Insert the trunking and screw to floor



Level with the screws



Cement



Place the module



Remove the protective cover



JUNCTION BOXES

✓ Accessible space

Junction boxes provide an accessible space through which the cables or connections of the installation can be accessed.



INSTALLATIONS IN RAISED FLOORING

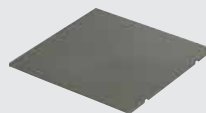
Junction box cover



Space equivalent to

52054101 -035 -038	1 module
52054102 -035 -038	2 modules
52054103 -035 -038	3 modules
52054104 -035 -038	4 modules
52054106 -035 -038	6 modules

Trim cover for flush-mounting



Space equivalent to

52053101 -035 -038	1 module
52053102 -035 -038	2 modules
52053103 -035 -038	3 modules
52053104 -035 -038	4 modules
52053106 -035 -038	6 modules

Junction box cover in raised flooring

Installing the junction box covers in raised flooring creates an access point to the inside of the installation.



Cable outlet for raised flooring (Ø 102 mm)



52055000 -030 -033 -038

Allows cables to pass from the raised floor to the surface. When closed, it prevents dust and other elements from entering.



i Confirmation example - raised flooring

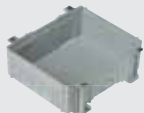




	Qty.	Ref./Finish	Description
Enclosure	1	52054103-038	Junction box cover equivalent to 3 modules, graphite.

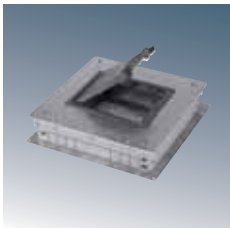
INSTALLATIONS IN CONCRETE FLOORS

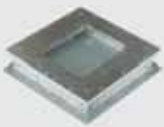


Plastic junction boxes - depth adjustable from 80 to 110 mm



Plastic tray	Junction box cover	Trim cover for flush-mounting	0 Optional		
	+		+		
Space equivalent to	Space equivalent to	Space equivalent to			
52052101 -035 1 module	52054101 -035 -038 1 module	52053101 -035 -038 1 module			
52052102 -035 2 modules	52054102 -035 -038 2 modules	52053102 -035 -038 2 modules			
52052103 -035 3 modules	52054103 -035 -038 3 modules	52053103 -035 -038 3 modules			
52052104 -035 4 modules	52054104 -035 -038 4 modules	52053104 -035 -038 4 modules			
52052106 -035 6 modules	52054106 -035 -038 6 modules	52053106 -035 -038 6 modules			

METAL JUNCTION BOXES - DEPTH ADJUSTABLE FROM 75 TO 90 MM



Metal tray	Junction box cover	Trim cover for flush-mounting	0 Optional		
	+		+		
Space equivalent to	Space equivalent to	Space equivalent to			
52052203 -033 3 modules	52054103 -035 -038 3 modules	52053103 -035 -038 3 modules			
52052204 -033 4 modules	52054104 -035 -038 4 modules	52053104 -035 -038 4 modules			
52052206 -033 6 modules	52054106 -035 -038 6 modules	52053106 -035 -038 6 modules			

Configuration example - Installation in concrete floors



	Qty.	Ref./Finish	Description
Enclosure	1	52052203 -033	Metal Tray 3 modules
	1	52054103 -038	Junction box cover 3 modules, graphite
	1	52053103 -038	Trim cover for flush-mounting for floor box 3 modules, graphite

 Technical details
 See page 158



SURFACE WALL BOXES

50% faster Installation

Surface Installation



New entries for trunking:
2 lateral, 1 centre top and 2 bottom

Rear opening:
For installation on universal box

Rear power supply:
20 and 25 Ø pre-punched holes and new larger pre-punched holes for Voice and Data cabling

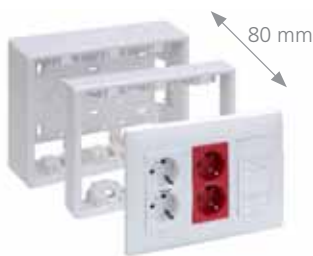
Cabling space: Optimised, dedicated spaces for the passage of electrical and Voice, Data and Multimedia (VDM) cabling

System of interlinked centre frames:
Allow independent installation of electrical and Voice and Data circuits

Metal divider plate:
Guarantees the electromagnetic immunity of the Voice, Data and Multimedia (VDM) installation.

Quick installation:
Installation by clipping, no need for tools. If the centre frames require extra fastening, they can optionally be screw-fastened

✓ **Depth Extender**



New accessory for achieving the deepest box on the market: 80 mm to maintain an optimum curvature radius.

✓ **Protective cover with key**



Frames complete with cover for concealing, protecting and restricting access to connections. Optional cylinder lock and key.

✓ **Expandable**



The boxes can be interlinked to increase the number of modules. Box linker ref. **51040905-030**.

Unfinished

White

Aluminium

Graphite

-39

-030

-033

-038

Kits

2 modules

51000201 -030 -033 -038 Electrical Kit with 2 double Schuko sockets with electrical linker

51000202 -030 -033 -038 Retail Kit with 1 double Schuko socket and 2 V&D plates for 2 RJ45

51000203 -030 -033 -038 UPS Multifunction Kit with 1 red double Schuko socket and 2 V&D plates for 2 RJ45

3 modules

51000301 -030 -033 -038 Workstation Kit with 2 double Schuko sockets with electrical linker and 2 V&D plates for 2 RJ45

51000302 -030 -033 -038 UPS Workstation Kit with 1 double Schuko socket, 1 red double Schuko socket and 2 V&D plates for 2 RJ45

51000303 -030 -033 -038 Workstation Kit WITH COVER with 2 double Schuko sockets with electrical linker and 2 V&D plates for 2 RJ45

51000304 -030 UPS Workstation Kit WITH COVER with 1 double Schuko socket, 1 red double Schuko socket and 2 V&D plates for 2 RJ45

4 modules

51000401 -030 Complete UPS Workstation Kit with 2 double Schuko sockets with electrical linker, 1 red double Schuko socket and 2 V&D plates for 4 RJ45

51000403 -030 Complete UPS Workstation Kit with 1 double Schuko socket, 2 red double Schuko sockets with electrical linker and 2 V&D plates for 4 RJ45

kits assembled and cabled

Surface wall box socket



51050002 -030 -033 -038 2 modules

51050003 -030 -033 -038 3 modules

51050004 -030 4 modules

Surface wall boxes

51000001 -030 -033 -038 1 module

51000002 -030 -033 -038 2 modules

51000003 -030 -033 -038 3 modules

51000004 -030 -033 -038 4 modules

51000006 -030 -033 -038 6 modules

Surface wall boxes with cover

51040003 -030 -033 -038 3 modules

51040004 -030 -033 -038 4 modules

Accessories

Depth Extender

51030903 -030 -033 -038 3 modules

51030904 -030 -033 -038 4 modules



51040905 -030

Box linker

51040900 -033

Cylinder lock and key for surface and flush-mount box cover



Adapters for trunking and tube entry

51010900 -030

Adapter for 20x30mm Mini-trunking

51020900 -030

Adapter for 20x50 mini-trunking

51030900 -030

Cover for Ø 22 mm tube or cable seal



Replacement parts



Centre frame

50000801-039

Technical details
See page 151

FLUSH-MOUNT WALL BOXES

Flush-mount Installation



50% faster
Installation

Translucent box: Makes it possible to view the passage of tubes and cables

Metal fastening clips:
For tighter fastening and greater strength

For any type of wall:
The same box in a wall or partition

Rear power supply:
20 and 25 Ø pre-punched holes and new larger pre-punched holes for Voice and Data cabling

Electrical linker:
Makes it possible to link 2 sockets without the need for cabling

Optional fastening:
Inlets for extra fastening using silicone

Metal divider plate:
Guarantees the electromagnetic immunity of the Voice, Data and Multimedia (VDM) installation

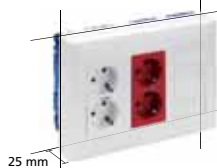
System of interlinked centre frames:
Allow independent installation of electrical and Voice and Data circuits

Quick installation:
Installation by clipping, no need for tools. If the centre frames require extra fastening, they can optionally be screw-fastened

More possibilities
The flush-mount box can be used as a template during installation.



Depth Extender
New accessory for achieving the deepest box on the market: 80 mm. The box is semi-flush.



Protective cover with key
Frames with cover for concealing, protecting and restricting access to connections. Optional cylinder lock and key.



Accessories



Depth Extender
51030903 -030 -033 -038 3 modules
51030904 -030 -033 -038 4 modules



51040900 -033
Cylinder lock and key for surface and flush-mount box cover

Replacement parts

Centre frame



50000801-039

Unfinished

White

Aluminium

Graphite

-39

-030

-033

-038

KITS

2 modules

51000201 -030 -033 -038 Electrical Kit with 2 double Schuko sockets with electrical linker

51000202 -030 -033 -038 Retail Kit with 1 double Schuko socket and 2 V&D plates for 2 RJ45

51000203 -030 -033 -038 UPS Multifunction Kit with 1 red double Schuko socket and 2 V&D plates for 2 RJ45

3 modules

51000301 -030 -033 -038 Workstation Kit with 2 double Schuko sockets with electrical linker and 2 V&D plates for 2 RJ45

51000302 -030 -033 -038 UPS Workstation Kit with 1 double Schuko socket, 1 red double Schuko socket and 2 V&D plates for 2 RJ45

51000303 -030 -033 -038 Workstation Kit WITH COVER with 2 double Schuko sockets with electrical linker and 2 V&D plates for 2 RJ45

51000304 -030 UPS Workstation Kit WITH COVER with 1 double Schuko socket, 1 red double Schuko socket and 2 V&D plates for 2 RJ45

4 modules

51000401 -030 Complete UPS Workstation Kit with 2 double Schuko sockets with electrical linker, 1 red double Schuko socket and 2 V&D plates for 4 RJ45

51000403 -030 Complete UPS Workstation Kit with 1 double Schuko socket, 2 red double Schuko sockets with electrical linker and 2 V&D plates for 4 RJ45

kits assembled and cabled

Flush-mount box



51020102-039 2 modules

51020103-039 3 modules

51020104-039 4 modules

FLUSH-MOUNT WALL BOXES

Flush-mount box



51020101-039 1 module

51020102-039 2 modules

51020103-039 3 modules

51020104-039 4 modules

51020106-039 6 modules

Frame and centre frames



51010101 -030 -033 -038 1 module

51010102 -030 -033 -038 2 modules

51010103 -030 -033 -038 3 modules

51010104 -030 -033 -038 4 modules

51010106 -030 -033 -038 6 modules

FLUSH-MOUNT WALL BOXES WITH COVER

Flush-mount box



51020103-039 3 modules

51020104-039 4 modules

Frame with cover and centre frames



51040103 -030 -033 -038 3 modules

51040104 -030 -033 -038 4 modules

Technical details
See page 153

COLUMNS



Fastening support:
fastened by pressure to the floor slab

Telescopic guide for attachment to the floor slab:
guarantees the rigidity of the assembly (1.5 metres long)

Very thick aluminium section: 3-metre long section, maximum strenght

DIN guide support:
prepared for the installation of protection elements

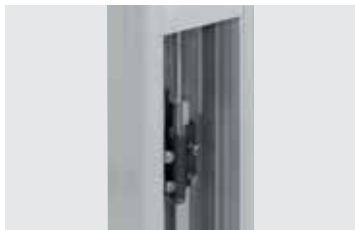
Trims:
guarantee a perfect finish on floors and ceilings

Anti-slip adhesive foam:
perfect adhesion to the floor

Pressure screw: through the adjustment nut, the screw guarantees pressure

Metal separator guide:
allows separation of electrical circuits from Voice, Data and Multimedia (VDM) circuits

✓ **Fastening**
Easy fastening system by pressure.



✓ **With all necessary materials**
The Column is supplied with a base, trim, telescoping guide, support for fastening to the ceiling, set screw, fixing plugs, connection cable to the earth connection, non-slip adhesive foam and all necessary hardware.



White	Aluminium	Graphite
-030	-033	-038

Columns (including base and trims for floors and ceilings)



1 Face

53550101 -030 -033 Column, 1 face, 3 m

Column extender, 1 face (Includes connector pins)

53555101 -030 -033 0.5-m extender
53555102 -030 -033 1.0-m extender
53555103 -030 -033 1.5-m extender



2 Faces

53550201 -030 -033 Column, 2 faces, 3 m

Column extender, 2 faces (Includes connector pins)

53555201 -030 -033 0.5-m extender
53555202 -030 -033 1.0-m extender
53555203 -030 -033 1.5-m extender

r Replacement parts

Base

52551803 -038 1 face
52551804 -038 2 faces

Trim

52551801 -030 -038 1 face
52551802 -030 -038 2 faces

3-m Front Cover
52551807 -030 -033

i Mechanism housing



In two-colour columns, we recommend installing frames and mechanisms in finish **-038** or **-033**



In white columns, we recommend installing frames and mechanisms in finish **-030**

Mechanism adaptation



52550900 -030 -038 -033 Centre Frame and Frame, 1 Module

Simon Universal Mechanisms



Universal box
AL50

i Configuration example



	Qty.	Ref./Finish	Description
Enclosure	1	53550101-033	Column, 1 face, aluminium-graphite
	3	52550900-038	Centre frame and frame, graphite
Electrical sockets and plates	1	50010432-037	Double Schuko socket, 1 click connection system with LED, red
	1	50010432-038	Double Schuko socket, 1 click connection system with LED, graphite
	2	50001086-038	Flat V&D plate with dust protector with 2 cat. 6A RJ45, white

Technical details
 See page 160



MINI-COLUMNS



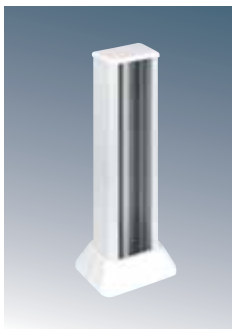
With all necessary materials

The Mini-column is supplied with a base, trim, end cover, fixing plugs, connection cable to the earth connection, non-slip adhesive foam and all necessary hardware.



White	Aluminium	Graphite
-030	-033	-038

Mini-columns (include trim, base and top cover)



1 Face

52550112 -030 -033	2 modules
52550113 -030 -033	3 modules
52550114 -030 -033	4 modules
52550115 -030 -033	5 modules



2 Faces

52550222 -030 -033	2 modules per face
52550223 -030 -033	3 modules per face
52550224 -030 -033	4 modules per face
52550225 -030 -033	5 modules per face

Replacement parts



52551803 -038 (1 face)
52551804 -038 (2 faces)
 Input base for 85x18-mm floor trunking



52551801 -030 -038 (1 face)
52551802 -030 -038 (2 faces)
 Trim for columns and mini-columns



52551805 -030 -038 (1 face)
52551806 -030 -038 (2 faces)
 Mini-column top cover:

Mini-columns in **-033** are supplied with cover and trim in graphite.

Mechanism adaptation



52550900 -030 -033 -038 Centre Frame and Frame, 1 module

i Mechanism housing



In white mini-columns, we recommend installing frames and mechanisms in finish **-030**



In two-colour mini-columns, we recommend installing frames and mechanisms in finish **-033** or **-038**

i Configuration example

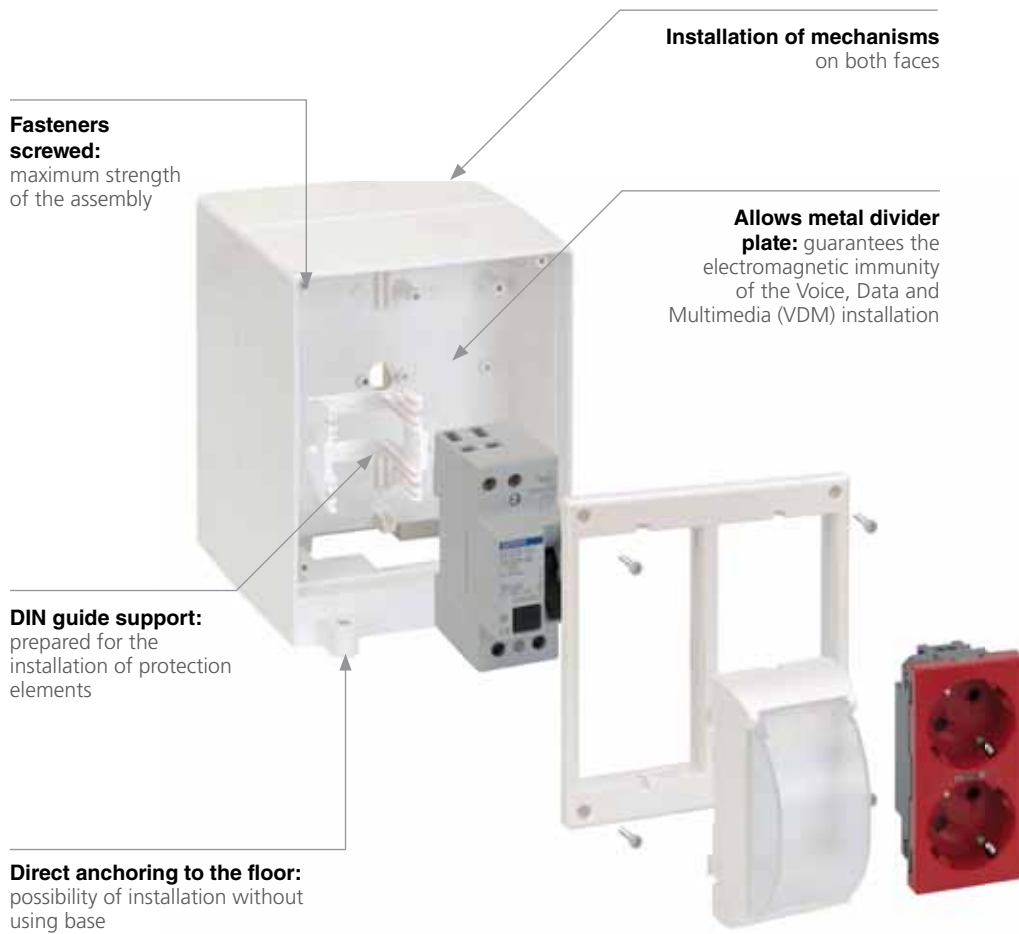


	Qty.	Ref.-Finish	Description
Enclosure	1	52550113-033	Mini-column, 1 face and 3 modules, aluminium-graphite
	3	52550900-038	Centre frame and frame, graphite
Electrical sockets and plates	1	50010432-037	Double Schuko socket, 1 click connection system with LED, red
	2	50001089-038	Flat V&D plate with dust protector with 2 cat. 6A RJ45, graphite
	1	50002075-038	Plate with 30mA differential, graphite

Technical details
 See page 160



MINI-TOWERS



✓ Compact

Compact, robust design for connectivity in minimum space.



✓ With all necessary materials

The mini-tower is supplied with a metal divider plate, fixing plugs, connection cable to the earth connection, non-slip adhesive foam and all necessary hardware.



TOWERS

52550204 -030 Mini-tower, 2 modules per face

52554204 -030 Inlet bases for 85x18-mm floor trunking
1 face

UNDER-FLOOR POWER SUPPLY
CABLES FLUSH-MOUNTED OR UNDER RAISED FLOORING

In this type of installation, the mini-tower does not require a base.

i Configuration example


Front face



Rear face

	Qty.	Ref./Finish	Description
Enclosure	1	52550204-030	Mini-tower, 2 modules per face
Electrical sockets and plates	3	50010432-030	Double Schuko socket, 1 click connection system with LED, white
	2	50001089-030	Flat V&D plate with dust protector with 2 cat. 6A RJ45, white

POWER SUPPLY THROUGH FLOOR TRUNKING

THE BASE MAKES IT POSSIBLE TO SUPPLY THE MINI-TOWER BY MEANS OF THE 85x18 DCS FLOOR TRUNKING

i Configuration example


Front face



Rear face

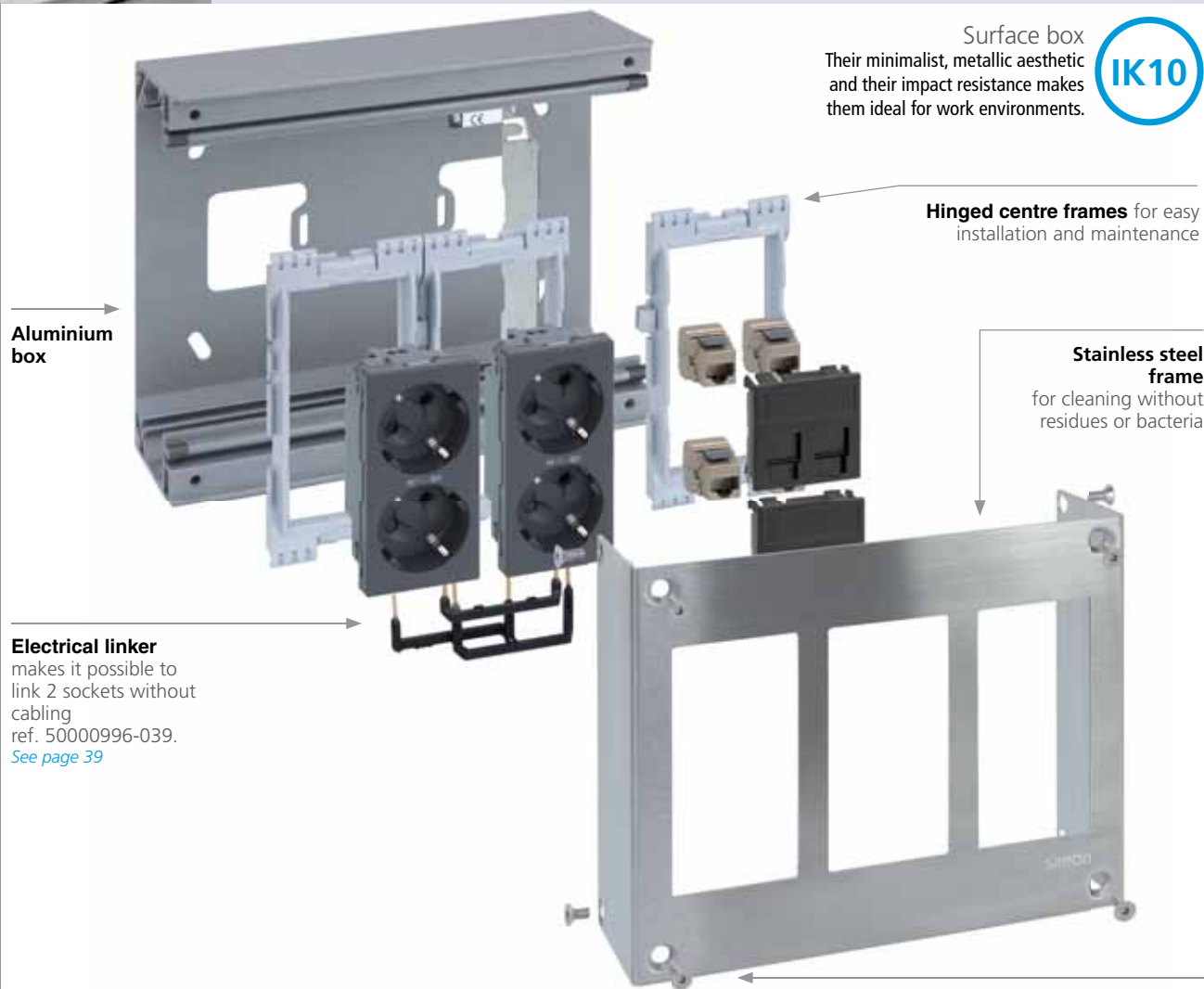
See DCS trunking in page 114

	Qty.	Ref./Finish	Description
Enclosure	1	52550204-030	Mini-tower, 2 modules per face
	1	52554204-030	Input base for floor trunking, 1 85x18-mm face
Electrical sockets and plates	2	50010432-037	Double Schuko socket, 1 click connection system with LED, red
	4	50001085-030	Flat V&D plate with dust protector with 1 cat. 6A RJ45, white
Access trunking	2	TF11172/8	85x18 DCS floor trunking (length according to the installation), aluminium



 Technical details
See page 159

METAL ENCLOSURES. SURFACE BOXES



Surface box
Their minimalist, metallic aesthetic
and their impact resistance makes
them ideal for work environments.



Aluminium
box

Hinged centre frames for easy
installation and maintenance

Stainless steel
frame
for cleaning without
residues or bacteria

Electrical linker
makes it possible to
link 2 sockets without
cabling
ref. 50000996-039.
[See page 39](#)

Frame fastening
using 8 stainless steel Allen screws

Assembly

V&D.
Respects the curvature radius of V&D cables.
With a box depth of 57 mm.

Hinged centre frames.
Allow simpler installation and more comfortable
maintenance.

57 mm



Optional protective cover with key.

Its flat
aesthetics
make it
possible to
restrict access
to connections.



KITS



51001301 -036 3-Module Kit with 2 double Schuko sockets with electrical linker and 2 V&D plates for 2 RJ45



51001302 -036 UPS 3-Module Kit with 1 double Schuko socket, 1 red double Schuko socket and 2 V&D plates for 2 RJ45



51001401 -036 UPS 4 Heights Kit 1 Face with 1 double Schuko socket, 2 red double Schuko sockets with electrical linker and 2 V&D plates for 4 RJ45

SURFACE BOXES



- 51000011 -036** 1 modules
- 51000012 -036** 2 modules
- 51000013 -036** 3 modules
- 51000014 -036** 4 modules
- 51000016 -036** 6 modules

Accessories

Protective covers

Protective cover with cylinder lock for surface boxes with 3 and 4 modules.

- 51040013 -036**
- 51040014 -036**



Independent electrical and V&D circuits.

The centre frames snap to the section and form blocks using interlinked parts, thereby separating the electrical part from the V&D part.

Electrical block **V&D block**



Fastening to the frame.

Using 8 stainless steel Allen screws that add safety. An Allen wrench is necessary for disassembly.

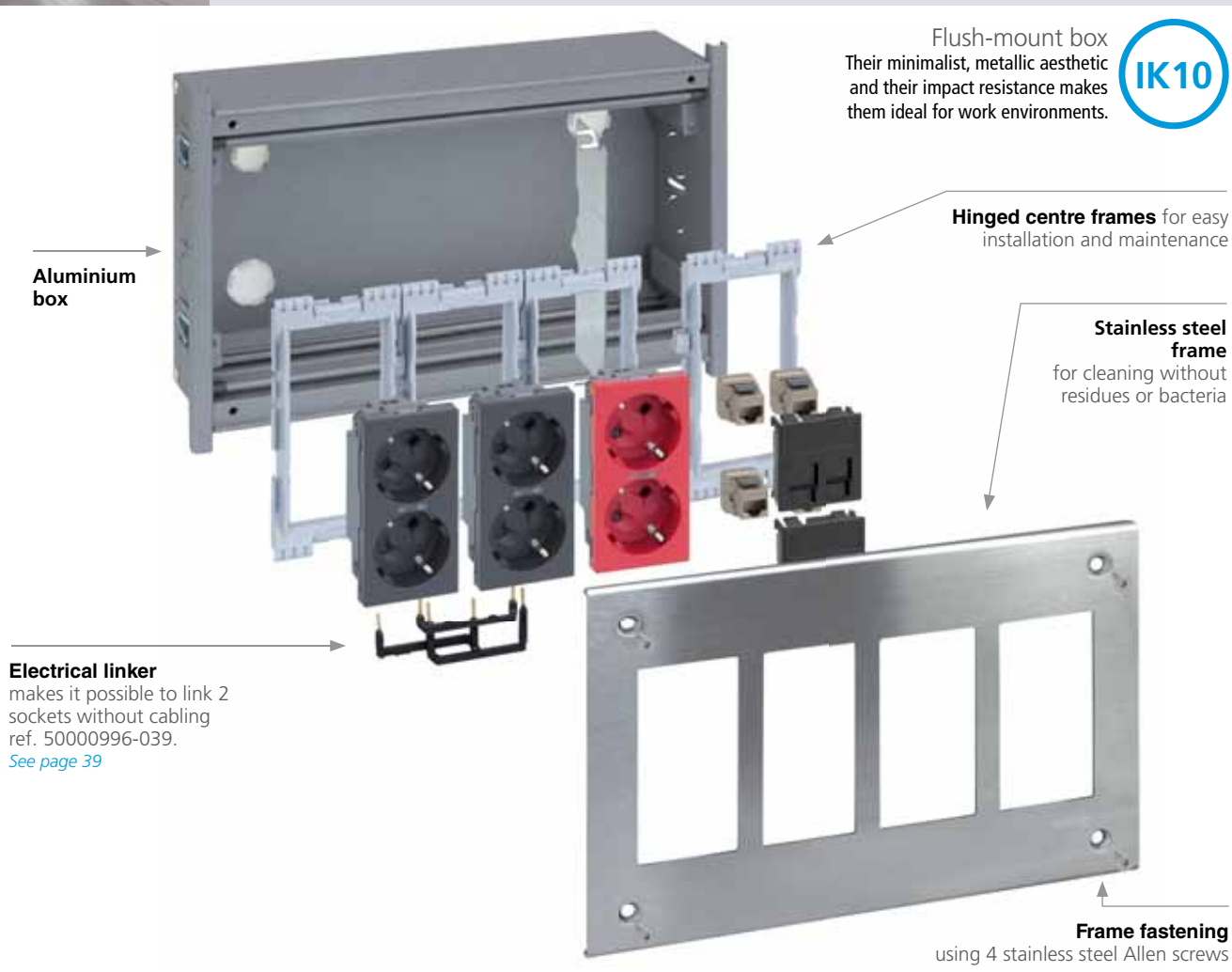
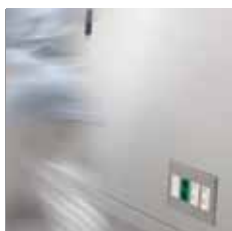


i Configuration example



	Qty.	Ref./Finish	Description
Enclosure	1	51000013-036	Metal surface wall box for 3 modules.
Electrical sockets and plates	1	50010432-038	Double Schuko socket, 1 click connection system with LED, graphite
	1	50010432-037	Double Schuko socket, 1 click connection system with LED, red
	2	50001089-038	Flat V&D plate with dust protector with 2 cat. 6A RJ45, graphite

METAL ENCLOSURES. FLUSH-MOUNT BOXES



Flush-mount box
Their minimalist, metallic aesthetic
and their impact resistance makes
them ideal for work environments.



Aluminium
box

Hinged centre frames for easy
installation and maintenance

Stainless steel
frame
for cleaning without
residues or bacteria

Electrical linker
makes it possible to link 2
sockets without cabling
ref. 50000996-039.
[See page 39](#)

Frame fastening
using 4 stainless steel Allen screws

Assembly
V&D.

Respects the curvature radius of V&D cables.
With a box depth of 57 mm.

Hinged centre frames.

Allow simpler installation and more comfortable
maintenance.



Optional protective cover with key.

Its flat aesthetics make it possible to restrict
access to connections.



KITS


51002301 -036	3-Module Kit with 2 double Schuko sockets with electrical linker and 2 V&D plates for 2 RJ45
51002302 -036	UPS 3-Module Kit with 1 double Schuko socket, 1 red double Schuko socket and 2 V&D plates for 2 RJ45
51002401 -036	UPS 4 Heights Kit 1 Face with 1 double Schuko socket, 2 red double Schuko sockets with electrical linker and 2 V&D plates for 4 RJ45

FLUSH-MOUNT BOXES

51000111 -036	1 modules
51000112 -036	2 modules
51000113 -036	3 modules
51000114 -036	4 modules
51000116 -036	6 modules

Accessories
Protective covers

Protective cover with cylinder lock for surface boxes with 3 and 4 modules.

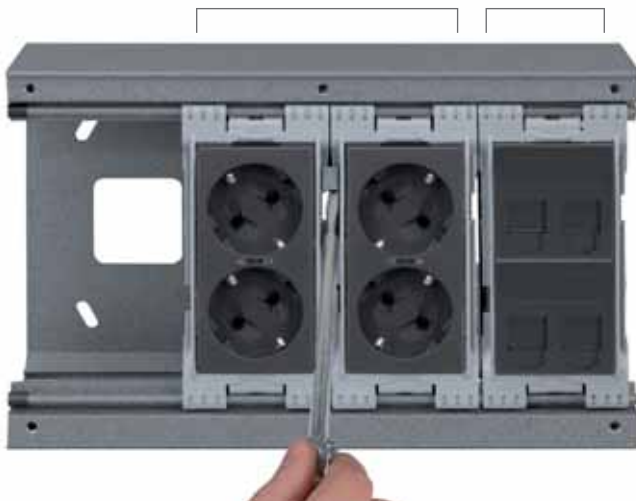
51040013 -036
51040014 -036



Independent electrical and V&D circuits.

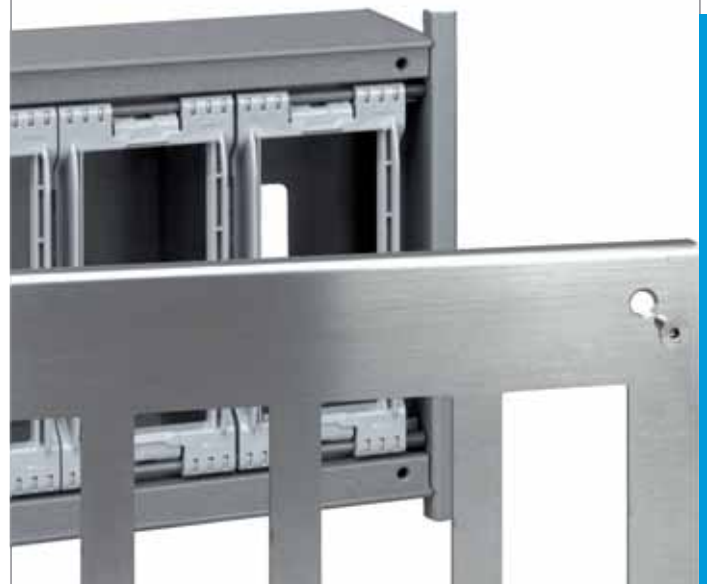
The centre frames snap to the section and form blocks using interlinked parts, thereby separating the electrical part from the V&D part.

Electrical block **V&D block**



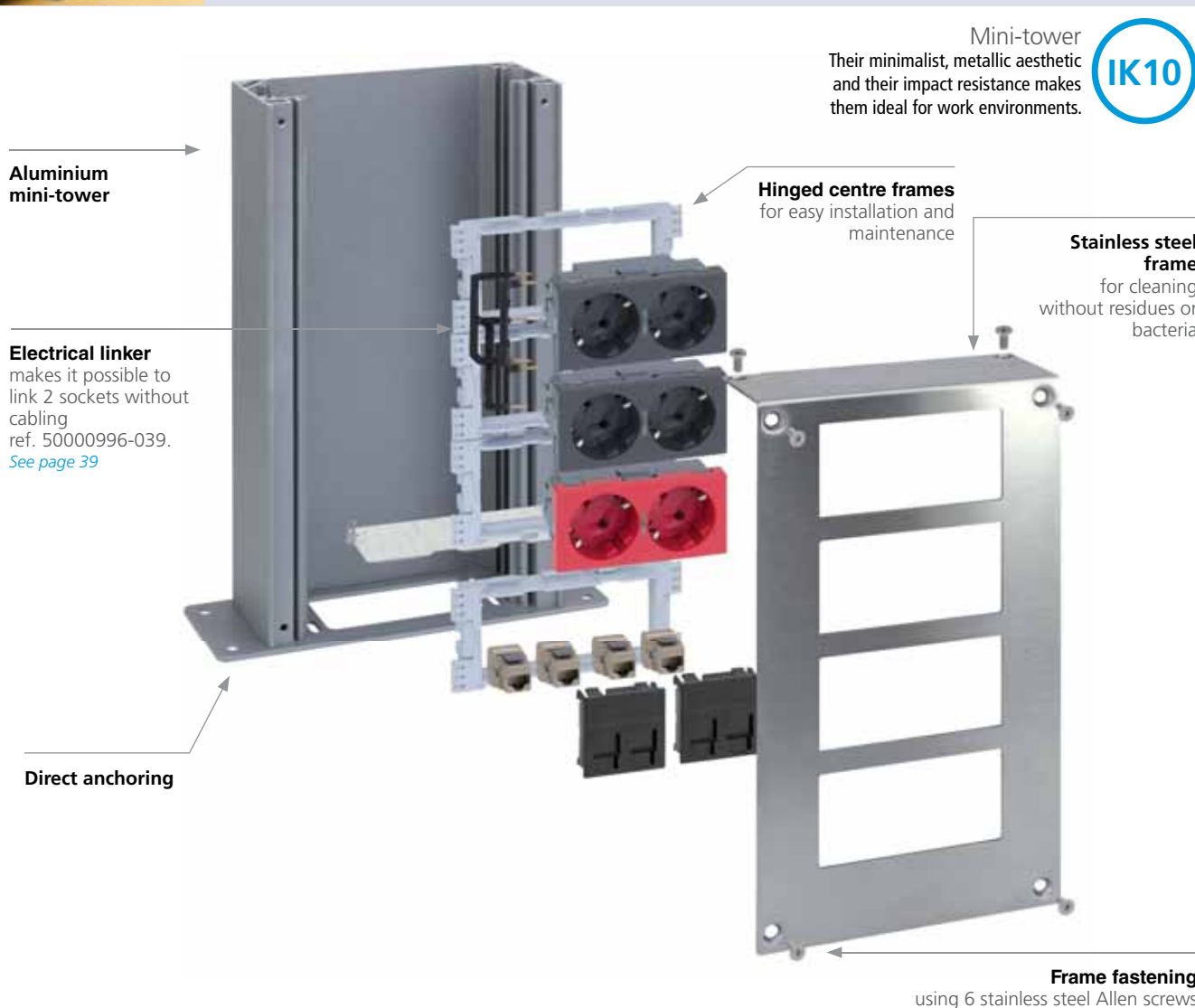
Metal box.

Metal flush-mount box to protect the signal from electromagnetic waves.


i Configuration example


	Qty.	Ref./Finish	Description
Enclosure	1	51000113-036	Metal flush-mount wall box for 3 modules.
Electrical sockets and plates	1	50010432-038	Double Schuko socket, 1 click connection system with LED, graphite
	1	50010432-037	Double Schuko socket, 1 click connection system with LED, red
	2	50001089-038	Flat V&D plate with dust protector with 2 cat. 6A RJ45, graphite

METAL ENCLOSURES. TOWERS



☑ **Mini-tower**
Ideal for installation in public areas and offices, they can include a metal protective cover with a cylinder lock to avoid tampering.



☑ **Tube or trunking entry.**
Possibility of creating custom tube and trunking inlets according to the needs of the installation.



KITS


52516301 -036	3-Heights Kit 1 Face with 2 double Schuko sockets with electrical linker and 2 V&D plates for 2 RJ45
52516302 -036	UPS 3-Heights Kit 1 Face with 1 double Schuko socket, 1 red double Schuko socket and 2 V&D plates for 2 RJ45
52516401 -036	UPS 4 Heights Kit 1 Face with 1 double Schuko socket, 2 red double Schuko sockets with electrical linker and 2 V&D plates for 4 RJ45

TOWERS
1 Face

52510212 -036	2 modules
52510213 -036	3 modules
52510214 -036	4 modules
52510215 -036	5 modules

2 Faces

52510222 -036	2 modules per face
52510223 -036	3 modules per face
52510224 -036	4 modules per face

Accessories
Protective cover

Protective cover with cylinder lock for 4-module mini-tower.
52513214 -036



1 face.
 Its design allows installation joined to furniture, occupying the minimum space.



Direct anchoring.
 Allows direct anchoring to floor without the need for plinths.
 Installation base included.

i Configuration example

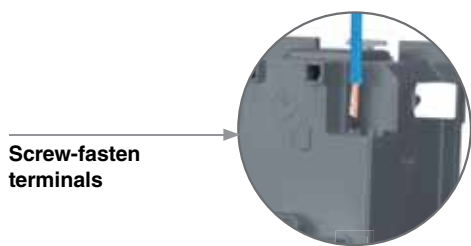

	Qty.	Ref./Finish	Description
Enclosure	1	52510213-036	Mini-tower, 3 modules, 1 face
Electrical sockets and plates	1	50010432-038	Double Schuko socket, 1 click connection system with LED, graphite
	2	50010432-037	Double Schuko socket, 1 click connection system with LED, red
	2	50001089-038	Flat V&D plate with dust protector with 2 cat. 6A RJ45, graphite

ELECTRICAL SOCKETS

1-click
connection
system for socket
installation



✓ Screw-fasten terminals



Screw-fasten terminals



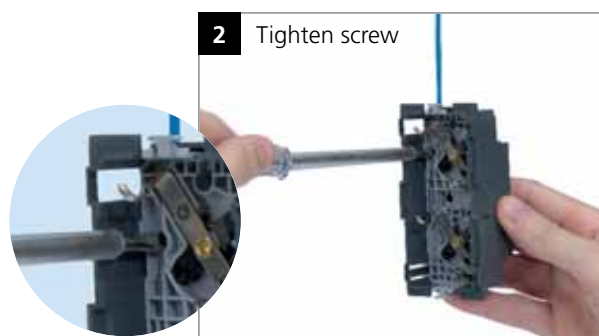
Quick-connection terminal connection



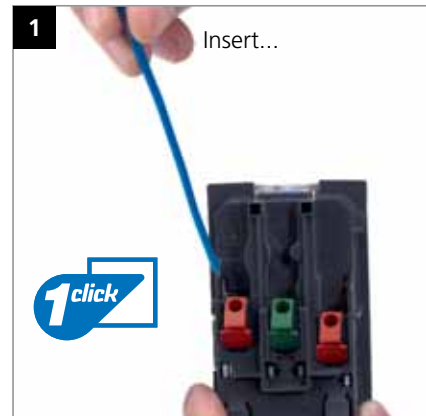
✓ Pilot lights with LED technology and screw socket with no visible screws



✓ Clefs that make it possible to position the pin more easily



1 click connection system

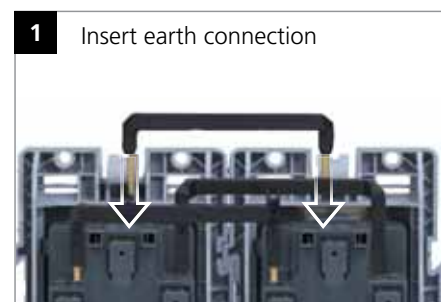
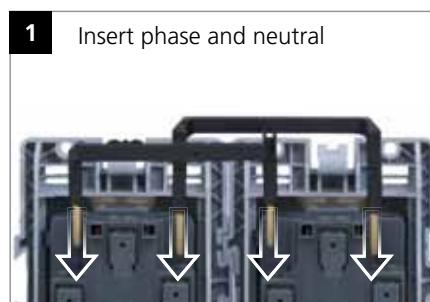
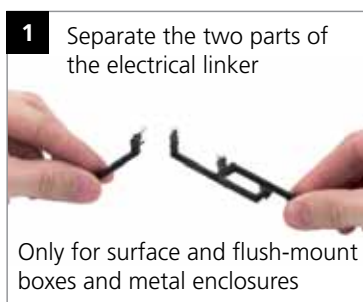


Safe

The new 1 click connection system makes the active part of the cable inaccessible



Installation sequence for electrical linker



Technical details
See page 148

SCHUKO SOCKET-OUTLETS



50010432 -030 -037 -038 Double Schuko socket, 1 click connection system with LED

50010472 -030 -037 -038 Double Schuko socket, screw-fasten terminals with LED



Coverless mechanism



50002432 -039 Double Schuko socket mechanism, 1 click connection system

50002472 -039 Double Schuko socket mechanism, screw-fasten terminals

Cover with LED



50011041 -033 -072 -065 Double Schuko cover with LED



50000432 -030 -037 Double Schuko socket, 1 click connection system without LED

50000472 -030 -037 Double Schuko socket, screw-fasten terminals without LED



Coverless mechanism



50002432 -039 Double Schuko socket mechanism, 1 click connection system

50002472 -039 Double Schuko socket mechanism, screw-fasten terminals

Cover with LED



50001041 -038 Double Schuko cover without LED

Replacement parts



50011841 -030 -037 -038 Double Schuko cover with viewer (without LED)



50001841 -030 -037 Double Schuko cover without viewer (without LED)



50000802-039 LED indicator for double Schuko socket

White	Aluminium	Red	Graphite	Green	Orange
-030	-033	-037	-038	-065	-072

FRENCH SOCKET-OUTLETS



50000468 -030 -038	Double French socket, 1 click connection system without LED		
50000469 -037	Double French socket, 1 click connection system without LED . Requires unblocking pin		
50000458 -030 -038	Double French socket, screw-fasten terminals without LED		
50000459 -037	Double French socket, screw-fasten terminals without LED . Requires unblocking pin		
50000803 -039	Safety shutter release pin		

Accessories



50000996 -039	Electrical linker for 2 socket-outlets recommended only for 500 CIMA wall boxes and metal enclosures
----------------------	--

connection system

no need to strip the wires

1 Insert...

2 ... Press and Go!

Safe

The new 1 click connection system makes the active part of the cable inaccessible

Technical details
See page 148

VOICE AND DATA PLATES

 **high speed**
in voice and data

✓ **New 50x50 format**

Easier cable conduction, making assembly more comfortable.



✓ **New plates with Category 6A connectors**

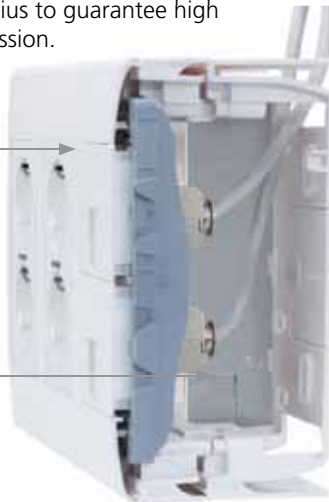


✓ **Optimum curvature radius**

Optimum curvature radius to guarantee high speeds on data transmission.

Flat plates

They provide integration of the assembly in a compact space.



80 mm

Shorter angled plates

Aesthetic and functional improvement. Allows adaptation of high categories in less space.



55 mm

Depth accessory

Possibility of installing the depth accessory to gain space.
ref. 51030903-030

See page 24

✓ **Same plate for all types of enclosures**



Horizontal snap-fit



Vertical snap-fit

✓ **New window format to indicate the correct connection position**



White

Aluminium

Graphite

-030**-033****-038**

VOICE AND DATA PLATES WITH SIMON RJ45 CONNECTORS

Angled plates with dust protector

	Category 6A 50001081 -030 -033 -038 1 FTP connector		Category 6A 50001086 -030 -033 -038 2 FTP connectors
	Category 6 50003081 -030 -033 -038 1 FTP connector 50002081 -030 -033 -038 1 UTP connector		Category 6 50003086 -030 -033 -038 2 FTP connectors 50002086 -030 -033 -038 2 UTP connectors
	Category 5e 50004081 -030 -033 -038 1 UTP connector		Category 5e 50004086 -030 -033 -038 2 UTP connectors

Flat plates with dust protectors


	Category 6A 50001085 -030 -033 -038 1 FTP connector		Category 6A 50001089 -030 -033 -038 2 FTP connectors
	Category 6 50003085 -030 -033 -038 1 FTP connector 50002085 -030 -033 -038 1 UTP connector		Category 6 50003089 -030 -033 -038 2 FTP connectors 50002089 -030 -033 -038 2 UTP connectors
	Category 5e 50004085 -030 -033 -038 1 UTP connector		Category 5e 50004089 -030 -033 -038 2 UTP connectors

Flat plates without dust protectors

	Category 6A 50001185 -030 1 FTP connector		Category 6A 50001189 -030 2 FTP connectors
	Category 6 50003185 -030 1 FTP connector 50002185 -030 1 UTP connector		Category 6 50003189 -030 2 FTP connectors 50002189 -030 2 UTP connectors
	Category 5e 50004185 -030 1 UTP connector		Category 5e 50004189 -030 2 UTP connectors

SIMON VOICE AND DATA COMPATIBILITY PLATES

Angled plates for other brands of connectors

	With dust protector		Without dust protector	
	1 connector	2 connectors	1 connector	2 connectors
MANUFACTURERS				
Available finishings	-030 -033 -038		-030 -033 -038	
SIMON	50000081.. + 1 MD67	50000086.. + 2 MD67	50000181.. + 1 MD67	50000186.. + 2 MD67
3M® (Volition OCK®: RJ25, K5e, K6)	50000081.. + 1 MD45	50000086.. + 2 MD45	50000181.. + 1 MD45	50000186.. + 2 MD45
AMP netconnect® (TYCO®)				
Standard 110 SL110 and toolless SL	50000081.. + 1 MD67	50000086.. + 2 MD67	50000181.. + 1 MD67	50000186.. + 2 MD67
216000 and 216005	50000081.. + 1 MD64	50000086.. + 2 MD64	50000181.. + 1 MD64	50000186.. + 2 MD64
BeldenCDT® (NORDX®)				
Giga Flex MDVO	50000081.. + 1 MD68	50000086.. + 2 MD68	50000181.. + 1 MD68	50000186.. + 2 MD68
Giga Flex Keystone	50000081.. + 1 MD64	50000086.. + 2 MD64	50000181.. + 1 MD64	50000186.. + 2 MD64
BRAND-REX® (BICC®)	50000081.. + 1 MD67	50000086.. + 2 MD67	50000181.. + 1 MD67	50000186.. + 2 MD67
CORNING® (SIEMENS®)	50000081.. + 1 MD79	50000086.. + 2 MD79	50000181.. + 1 MD79	50000186.. + 2 MD79
ERSYS®	50000081.. + 1 MD64	50000086.. + 2 MD64	50000181.. + 1 MD64	50000186.. + 2 MD64
ADC KRONE®				
Series KM8 keystone	50000081.. + 1 MD64	50000086.. + 2 MD64	50000181.. + 1 MD64	50000186.. + 2 MD64
Series HK keystone	50000081.. + 1 MD64	50000086.. + 2 MD64	50000181.. + 1 MD64	50000186.. + 2 MD64
MOLEX®	50000081.. + 1 MD64	50000086.. + 2 MD64	50000181.. + 1 MD64	50000186.. + 2 MD64
NEXANS® (LAN mark®-5 eVo, LAN mark®-6 eVo)	50000081.. + 1 MD85	50000086.. + 2 MD85	50000181.. + 1 MD85	50000186.. + 2 MD85
ORTRONICS®				
Clarity TechChoice Keystone	50000081.. + 1 MD64	50000086.. + 2 MD64	50000181.. + 1 MD64	50000186.. + 2 MD64
PANDUIT®	50000081.. + 1 MD69	50000086.. + 2 MD69	50000181.. + 1 MD69	50000186.. + 2 MD69
R&M® (REICHL & DE MASSARI®)				
CLASSIC Cat5e (R302326, R302325)	50000081.. + 1 MD54	50000086.. + 2 MD54	50000181.. + 1 MD54	50000186.. + 2 MD54
STAR Cat6 (R302328)	50000081.. + 1 MD54	50000086.. + 2 MD54	50000181.. + 1 MD54	50000186.. + 2 MD54
REAL 10 (R302327, R313083)	50000081.. + 1 MD54	50000086.. + 2 MD54	50000181.. + 1 MD54	50000186.. + 2 MD54
RIT®	50000081.. + 1 MD67	50000086.. + 2 MD67	50000181.. + 1 MD67	50000186.. + 2 MD67
SIEMON®				
Series MAX Keystone	50000081.. + 1 MD64	50000086.. + 2 MD64	50000181.. + 1 MD64	50000186.. + 2 MD64
SYSTIMAX® (AVAYA®) (ATT®)	50000081.. + 1 MD63	50000086.. + 2 MD63	50000181.. + 1 MD63	50000186.. + 2 MD63

Simon declines all liability for any modifications or changes made by the manufacturers of the connectors.

White	Aluminium	Graphite
-030	-033	-038

SIMON VOICE AND DATA COMPATIBILITY PLATES

Flat plates for other brands of connectors

	With dust protector		Without dust protector	
	1 connector	2 connectors	1 connector	2 connectors
MANUFACTURERS				

Available finishings

-030 -038

	50000085..*	50000089..*	50000185..*	50000189..*
SIMON				
3M® (Volition OCK®: RJ45, K5e, K6)	-	-	50011185..	50011189..
AMP netconnect® (TYCO®)				
Standard 110 SL110 and toolless SL	50000085..	50000089..	50000185..	50000189..
216000 and 216005		50000089..	50000185..	50000189..
BeldenCDT® (NORDX®)				
Giga Flex MDVO	50013085..*	50013089..*	-	-
Giga Flex Keystone	50000085..	50000089..	50000185..	50000189..
BRAND-REX® (BICC®)	50000085..	50000089..	50000185..	50000189..
ERSYS®	50000085..	50000089..	50000185..	50000189..
GENERAL CABLE®	50000085..	50000089..	50000185..	50000189..
INFRA +®	50015085..	50015089..	50015185..	50015189..
ITT CANNON®	50016085..	50016089..	-	-
ADC KRONE®				
Series KM8 keystone	50000085..	50000089..	50000185..	50000189..
Series HK keystone	50017085..*	50017089..*	-	-
MOLEX®	50000085..	50000089..	50000185..	50000189..
NEXANS® (LAN mark®-5 eVo, LAN mark®-6 eVo)	50018085..*	50018089..*	50018185..*	50018189..*
ORTRONICS®				
Clarity TechChoice Keystone	50000085..	50000089..	50000185..	50000189..
PANDUIT®	50019085..	50019089..	50019185..	50019189
R&M® (REICHLÉ & DE MASSARI®)				
CLASSIC Cat5e (R304326, R304325)	-	-	50020185..*	-
STAR Cat6 (R304328)	-	-	50020185..*	-
REAL 10 (R304327, R313083)	-	-	50020185..*	-
RIT®	50000085..	50000089..	50000185..	50000189..
SIEMON®				
Series MAX Keystone	-	-	50000185..	50000189..
Series CT	-	-	50021186-030	50021186-030
SYSTIMAX® (AVAYA®) (ATT®)	50000085..	50000089..	50000185..	50000189..

... Finish * Also available in -033



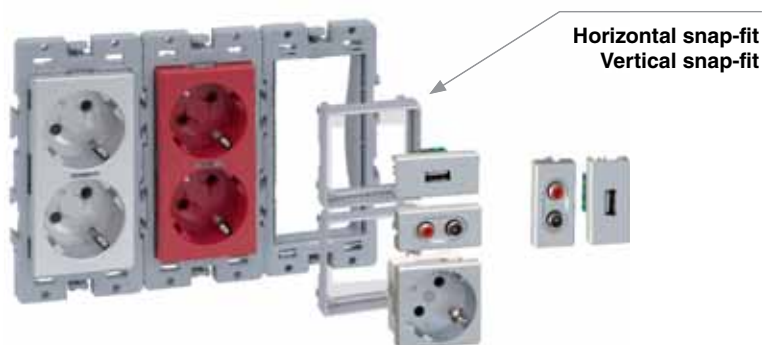
- 50000800 -030 -033 -038 Double Blind Plate
- 50010800 -030 -033 -038 Individual Blind Plate



SIMON K45 AND SIMON 27 SOLUTIONS

✓ Adapter plates for Simon K45 mechanisms

Ref. 50012088...

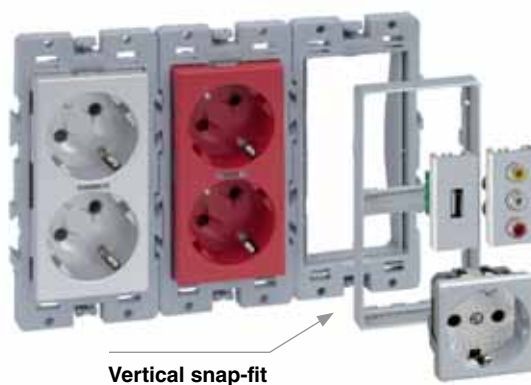


✓ Adapter plates for Simon 27 mechanisms

Individual ref.: 50010088...



Double ref.: 50000088...



Adapter plates for Simon 27 electronic mechanisms

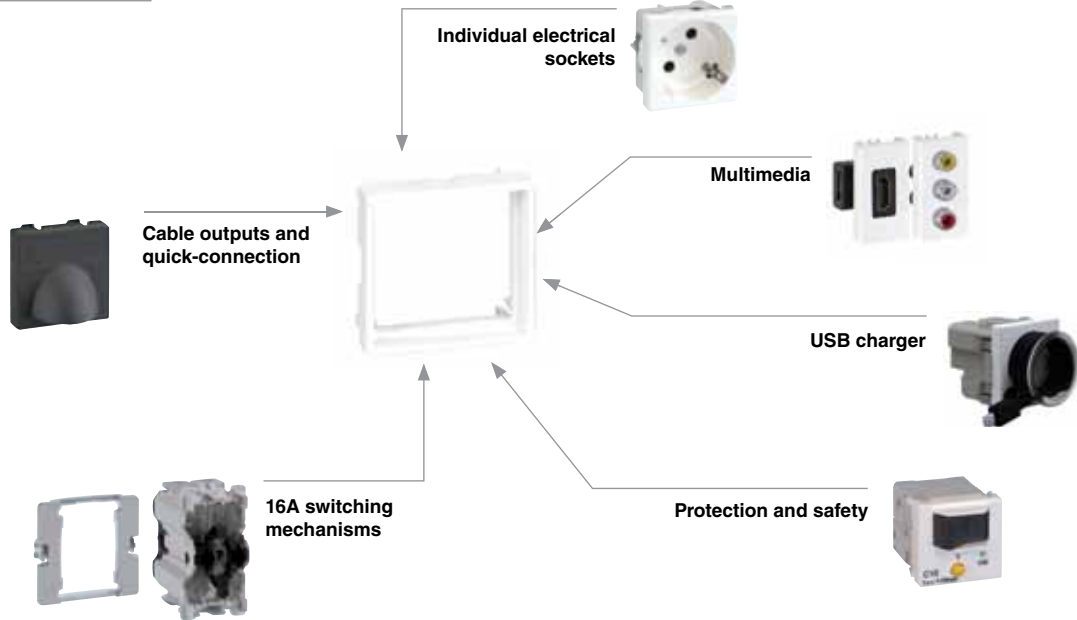
Ref. 50011088...



White	Aluminium	Graphite
-030	-033	-038

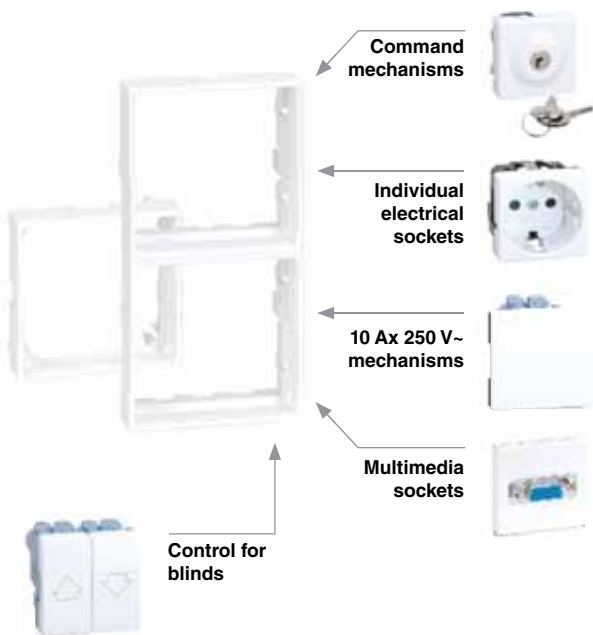
Adapter plates for Simon K45 mechanisms

Ref. 50012088...



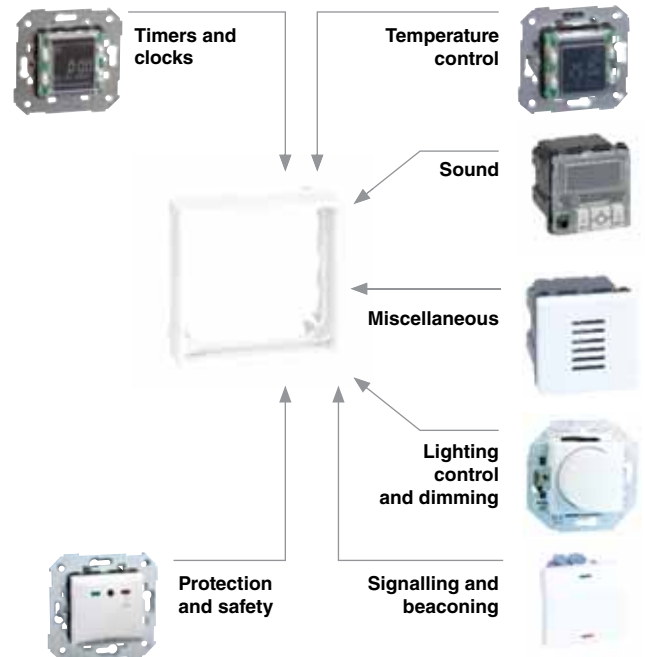
Adapter plates for Simon 27 mechanisms

Individual ref.: 50010088...
Double ref.: 50000088...



Adapter plates for Simon 27 electronic mechanisms


Ref. 50011088...





PROTECTION



Self-extinguishing, halogen-free materials: a guaranty of safety for people, equipment and information 

DIN guide adapter

Design: design and integration of protection elements in all 500 CIMA solutions.

Maintenance: the trim plates allow the connections to be maintained and inspected without having to remove the box.

Installation of circuit breakers in Simon 500 CIMA



Installation of circuit breakers in floor boxes



Unfinished

White

Graphite

-39

-30

-038

PROTECTION ELEMENTS*

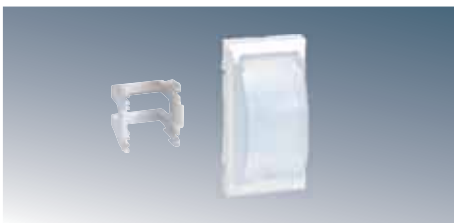


50000075 -030 -038 Plate with 16A bipolar circuit-breaker

50001075 -030 -038 Plate with 10A bipolar circuit-breaker



50002075 -030 -038 Plate with $I_{\Delta N}$ 30mA sensitivity differential breaker



50000074 -030 -038 Plate for circuit breaker or differential breaker

* For floor boxes, towers, mini-towers, columns and metal enclosures.

PROTECTION ELEMENTS FOR FLOOR BOXES



50010075 -030 -038 Plate with 16A bipolar circuit-breaker

50011075 -030 -038 Plate with 10A bipolar circuit-breaker



50012075 -030 -038 Plate with $I_{\Delta N}$ 30mA sensitivity differential breaker



50010074 -030 -038 Plate for circuit breaker or differential breaker

Replacement parts



50000076-039
DIN guide adapter



50010076-039
DIN Guide Adapter
for floor boxes

Technical details
See page 150



K45 TELEBLOCK



K45 switching mechanisms



K45 OFIBLOCK PLUS



K45 electrical sockets



K45 OFIBLOCK COMPACT



K45 protection elements



K45 OFIBLOCK LINE



K45 voice and data plates



K45 surface and flush-mount boxes



K45 multimedia plates



K45 IP66 watertight floor boxes



K45 plates for fiber optic



K45 anti-vandalism mini-towers



K45 plates for quick-connection system



K45 mini-columns



K45 columns

Simon K45

Enclosures	52 >	K45 TELEBLOCK
	54 >	K45 OFIBLOCK PLUS
	56 >	K45 OFIBLOCK COMPACT
	58 >	K45 OFIBLOCK LINE
	60 >	K45 surface and flush-mount boxes
	62 >	K45 IP66 watertight floor boxes
	66 >	K45 anti-vandalism mini-towers
	68 >	K45 mini-columns
	70 >	K45 columns
	Mechanisms, sockets and plates	72 >
74 >		K45 electrical sockets
76 >		K45 protection elements
78 >		K45 voice and data plates
82 >		K45 multimedia plates
84 >		K45 plates for fiber optic
86 >		K45 plates for quick-connection system



Self-extinguishing, halogen-free materials:
A guarantee of safety for persons, equipment and information.



Compatibility with all the Voice, Data and Multimedia connectors on the market.

The most compact designs
for improved mechanism installation..



Quick installation.
The mechanisms of the K45 range are installed by direct snap-fitting without using any tools.





K45 TELEBLOCK

The Simon K45 TELEBLOCK provides a solution for any connection, adapting to any type of furnishing



With all necessary materials

The K45 Teleblock section is supplied with one blind cover, two half-mechanism blind plates, metal divider plate, insertion ring (with push-pull or gas cylinder), screw thread for fitting and all necessary hardware for installation. (The cover and the trim frame are supplied separately.)



Mechanisms, electrical sockets and plates from page 72

Automatic elevation



Maximum integration



When connected and folded it integrates perfectly into the furniture, hiding the connections. It acts as trunking when closed.



Entry plates for lower access



< Plates with connector

Quick connection.
Connectors and Patch cords on page 140

K19/14
< Tube inlet

K19/14
< Gland

TC250/0
Cable > organiser

K121A/14
K121B/14
< Quick Connection

K18/14
< Quick Connection

K305A/14
< Quick Connection

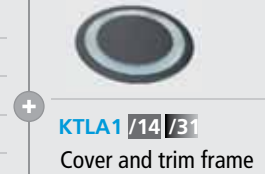
K20/14
< Cable inlet

Matt chrome-plated	Aluminium	Pure white	Graphite grey
/31	/8	/9	/14

K45 TELEBLOCK FOR CONFIGURATION



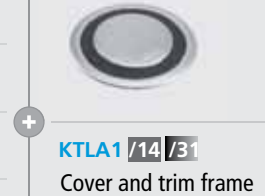
KTL202	For 2 K45 usable mechanisms with manual elevation
KTL203	For 3 K45 usable mechanisms with manual elevation
KTL204	For 4 K45 usable mechanisms with manual elevation
KTLE205	For 5 K45 usable mechanisms with automatic elevation
KTL205	For 5 K45 usable mechanisms with manual elevation
KTL206	For 6 K45 usable mechanisms with manual elevation



K45 TELEBLOCK WIRED AND ASSEMBLED



KTLE216U	Includes 2 graphite-grey Schukos, 2 red Schukos and 2 RJ45 Cat. 6 UTP. Automatic elevation.*
KTLE215U	Includes 2 graphite-grey Schukos, 2 red Schukos and 2 RJ45 Cat. 5e UTP. Automatic elevation.*
KTL215U	Includes 2 graphite-grey Schukos, 2 red Schukos and 2 RJ45 Cat. 5e UTP. Manual elevation.*
KTL216U	Includes 2 graphite-grey Schukos, 2 red Schukos and 2 RJ45 Cat. 6 UTP. Manual elevation.*
KTL212-PACK CUISINE	Includes 2 graphite-grey Schukos and 1 electric patch cord 3x2.5 mm with Schuko plug. Manual elevation.



* With 2 electrical patch cords of 3x2.5 mm², 2 m, Schuko plug and 2 voice and data 2 m.

Installation accessories

Electric connection patch cords. See page 161
Patch cords V&D. See page 134



K66
90° positioner for K45 plates on columns or vertical sections.
See page 80



TS10 /8 /14
Cable outlet with Ø 102 mm for desk or raised floor

Spare parts for K45 TELEBLOCK Automatic elevation



KTLA2
Gas cylinder for automatic elevation

Installation tools



H114
Cutting crown with 114 mm diameter



H114U
Spindle for H114 hole saw

Spare parts for K45 TELEBLOCK



KTLA3
Push-Pull module for manual elevation



KTLA4
Table attachment mount for manual elevation



KTLA5
Upper lock



KTLA6
Lower lock

Configuration example



	Quantity	Ref./Finish	Description
Enclosure	1	KTLE205	K45 Teleblock for 5 usable K45 mechanisms, automatic elevation
	1	KTLA1/14	Cover and trim frame, graphite
Electrical sockets and plates	2	K11/8	K45 electrical socket, Schuko, quick terminal connection, aluminium
	1	K100B/8	K45 plate 1 mechanism with 1 VGA female connector, aluminium. Screw connection
	1	K66	90° positioner for K45 VDM plates
	1	KB8096U/8	Angled K45 plate with dust protector and 2 RJ45 Cat. 6 UTP, aluminium
	1	K20/8	K45 cable input plate with retainer included, aluminium
	1	TC250/0	Cable organiser Ø 25 mm and 2 m length

Technical details
See page 164



K45 OFIBLOCK PLUS



5 Installation options

- Desktop
- Under desk
- Raised floor
- Wall mounted
- Mounted on screens or furniture
- Metal surface with magnet



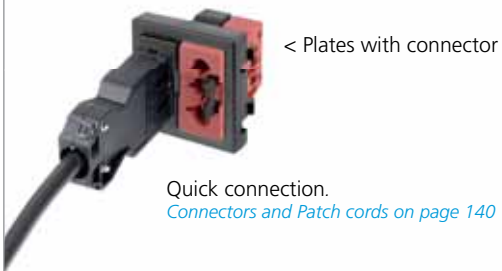
With all necessary materials

Each K45 OFIBLOCK PLUS is supplied with its section, inner frames, screws and nuts, cut-out metal divider, 2 earth connections and 2 blind plates.

Mechanisms, electrical sockets and plates from page 72



Side entries with K45 plates



K19/14
< Tube inlet >



K121A/14
K121B/14
< Quick Connection

K21/14
< 20x30 mini-trunking input
Mini-trunking on page 92

K18/14
< Quick Connection



K305A/14
< Quick Connection



K20/14
< Cable inlet



K10/14
< Quick Connection



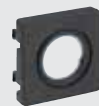
Transparent	Graphite grey	Pure white
/0	/14	/9

K45 OFIBLOCK PLUS (MODULAR ENTRY NOT INCLUDED)



- KFP103 /14** 3 usable K45 mechanisms
- KFP104 /14** 4 usable K45 mechanisms
- KFP105 /14** 5 usable K45 mechanisms
- KFP106 /14** 6 usable K45 mechanisms
- KFP107 /14** 7 usable K45 mechanisms
- KFP108 /14** 8 usable K45 mechanisms

Modular K45 entry plates



K19 /14
Tube or gland
Ø 22 mm
[+ information page 87](#)



K305A /14
Quick connection
CEI320 connector
[+ information page 86](#)



K20 /14
Cable input
2 cables of Ø 13 mm
and 4 of Ø 6 mm
[+ information page 87](#)



K21 /14
Mini-trunking
20x30 mm
[+ information page 87](#)



K10 /14
Cable input
Trunking
[+ information page 87](#)

K45 OFIBLOCK fastening mounts



KSF1
Individual or under
table



KSF2
Tandem under raised
floor



KSF3
Desktop



KSF5
Anchor on DIN guide



KSF6
Support with magnet
Requires 2 per OFIBLOCK
(Check availability)

Installation accessories



K105B/..
Multimedia Plates
3 RCA audio and
video connectors
[+ information page 83](#)



KTL8 /14
Electrical patch cord
[+ information page 142](#)



S600/1
Access to raised floor
Accessible cover
[+ information page 20](#)



K106A/..
Protection
K45 circuit-breaker
[+ information page 76](#)



TC250 /0
Organiser
[+ information page 116](#)



TS10 /14
Access to raised floor
Trunking
[+ information page 20](#)

Configuration example



	Quantity	Ref./Finish	Description
Enclosure	1	KFP103/14	K45 OFIBLOCK PLUS with 3 usable mechanisms, graphite
Electrical sockets and plates	1	K20/14	K45 cable input plate with retainer included, graphite
	1	KB96U/14	K45 flat V&D plate with 2 Cat. 6 UTP connectors, graphite
	2	K11/14	K45 electrical socket, Schuko, quick terminal connection, graphite
	1	AC11	Connection block for multi-sockets
	1	KSF3	OFIBLOCK mount for securing to desk
	1	TC250/0	Ø 25 mm, 2 m long cable organiser

Technical details
[See page 165](#)



K45 OFIBLOCK COMPACT



Multiple side entries

- Quick connection
- Direct cable

Shares accessories with K45 OFIBLOCK PLUS

- Desktop
- Under desk
- Raised floor
- Mounted on wall or screen
- Metal surface with magnet

With all necessary materials

Each K45 OFIBLOCK COMPACT is supplied with its section, blind side cover, direct cable input side cover, screws and nuts and blind front plate, providing space for cables.

Mechanisms, electrical sockets and plates from page 72



Can be installed in a raised floor

It installs sockets with pilot light under the floor to make locating the connection points easier.

Ideal for low-height raised floors



Allows quick connection

Optional side cover for quick-connection input.



Easy installation by direct snap-fitting of the K45 mechanisms.



Transparent	Graphite grey	Pure white	Pale grey
/0	/14	/9	/24

K45 OFIBLOCK COMPACT WITH DIRECT CABLE INPUT



KFC102	/9	/14	2 usable K45 mechanisms
KFC103	/9	/14	3 usable K45 mechanisms
KFC104	/9	/14	4 usable K45 mechanisms
KFC105	/9	/14	5 usable K45 mechanisms
KFC106	/9	/14	6 usable K45 mechanisms
KFC107	/9	/14	7 usable K45 mechanisms
KFC108	/9	/14	8 usable K45 mechanisms
KFC109	/9	/14	9 usable K45 mechanisms
KFC110	/9	/14	10 usable K45 mechanisms

Modular side input covers

	ACFC01 /24 Blind side cover		ACFC02 /24 Side input cover direct cable		ACFC03 /24 Side entry cover single quick connection <i>Connectors on page 138</i>
	ACFC04 /24 Side input cover double quick connection <i>Connectors on page 140</i>				

K45 OFIBLOCK fastening mounts

	KSF1 Individual or under table		KSF2 Tandem under raised floor		KSF3 Desktop
	KSF4 Wall mounted Requires 2 per OFIBLOCK		KSF5 Anchor on DIN guide		KSF6 Support with magnet Requires 2 per OFIBLOCK (Check availability)

Installation accessories

	K302 + K112/.. K45 switch <i>+ information page 72</i>		K106A/.. Protection K45 circuit-breaker <i>+ information page 76</i>		S600/1 Access to raised floor Accessible cover <i>+ information page 20</i>
	TC250/0 Organiser <i>+ information page 116</i>		K129B/.. Multimedia Plates 1 HDMI connector <i>+ information page 83</i>		TS10 /14 Access to raised floor Trunking <i>+ information page 20</i>

Configuration example



	Quantity	Ref./Finish	Description
Enclosure	1	KFC103/9	K45 OFIBLOCK COMPACT with 3 usable K45 mechanisms, white
Electrical sockets and plates	1	KB96U/9	K45 flat V&D plate with 2 Cat. 6 UTP connectors, white
	2	K11/9	K45 electrical socket, Schuko, quick terminal connection, white
	1	AC11	Connection block for multi-sockets
	1	KSF3	Desktop OFIBLOCK COMPACT mount
	1	TC250/0	Cable organiser Ø 25 mm and 2 m length

Technical details
[See page 166](#)



K45 OFIBLOCK LINE

Functional design



- With the new K45 OFIBLOCK LINE, connections are perfectly integrated within the furnishings and are accessible for use.
- Easy integration**

Rear cable inputs to facilitate installation in any furnishing space from 10 mm thick.

Valid for all table thicknesses



- Easy and safe installation**

OFIBLOCK fits into the frame at the rear and is safely secured by 4 fastening clips.



- Option of mechanisms in different finishes**

/8 /9 /14



- Integral design**

The frame incorporates straight lines and minimalist aesthetics that blend in with all furnishing styles.



Polished chrome-plated steel	Graphite grey
/8	/14

K45 OFIBLOCK LINE



KSF134 /8	4 usable K45 mechanisms
KSF136 /8	6 usable K45 mechanisms

i Frame finishes



Polished chrome-plated steel
(**KSF13X** /8)



Shiny chrome-plated steel
On request



Matt steel
On request



Colour painted option ■ ■ ■ ...
On request

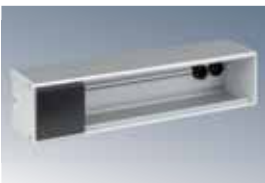
K45 OFIBLOCK LINE FASTENING SUPPORT

0
Optional



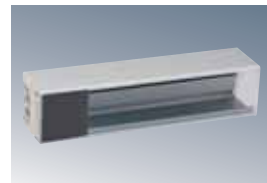
KSF7	Set of 2 clips to secure the Ofiblock Line K45 with ease. (For tables of 10 to 50 mm thick)
-------------	--

K45 OFIBLOCK REAR ENTRIES (FOR FURNISHINGS FROM 10 mm THICK)



KFC134 /14	4 K45 usable mechanisms and 4 cable outlets
KFC136 /14	6 K45 usable mechanisms and 4 cable outlets

Supplied with the section, 2 side blind covers, front blind plate, 4 clamps and 3 blocks.



K45 OFIBLOCK COMPACT SIDE ENTRIES (FOR FURNISHINGS FROM 10 mm TO 24 mm THICK)

KFC104 /14	4 usable K45 mechanisms
KFC106 /14	6 usable K45 mechanisms

It is supplied with the sections, side blind cover, side cable input cover and front blind plate

KITS



K45 Kit OFIBLOCK 4 mechanisms rear inputs

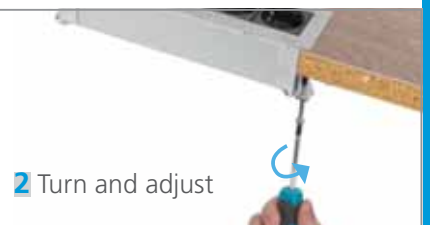
KFC1446U /14

With 3 K45 electrical sockets, 2 RJ45 connectors Cat. 6UTP, 2 electrical patch cords 3x2.5 mm², 2 m, Schuko socket and 2 UPD, 2 m.

i Assembly sequence KSF7 fastening support



1 Insert



2 Turn and adjust

i Configuration example



	Quantity	Ref./Finish	Description
Enclosure	1	KFC134/8	K45 Ofiblock Line, polished chrome-plated
	1	KFC134/14	K45 Ofiblock with 4 usable K45 mechanisms, rear inputs, graphite
Electrical sockets and plates	3	K11/14	K45 electrical socket, Schuko, quick terminal connection, graphite
	2	AC11	Connection block for multi-sockets
	1	KB96U/14	K45 V&D plate with 2 connectors Cat. 6 UTP, graphite

Technical details
See page 167



K45 SURFACE AND FLUSH-MOUNT BOXES



Double surface box



Single flush-mount box



With all necessary materials

The K45 Surface and Flush-mount Box is supplied with a **separating plate**, fastening plugs and all the necessary screws and nuts.

Mechanisms, electrical sockets and plates from page 72



Ideal for deep connectors

Especially designed to be able to install FTP and category 7 connectors, where the depth and the radius of curvature are very critical.



The necessary depth is reached by installing a flush-mount box and the surface box.

Combines with Simon Mini-trunking



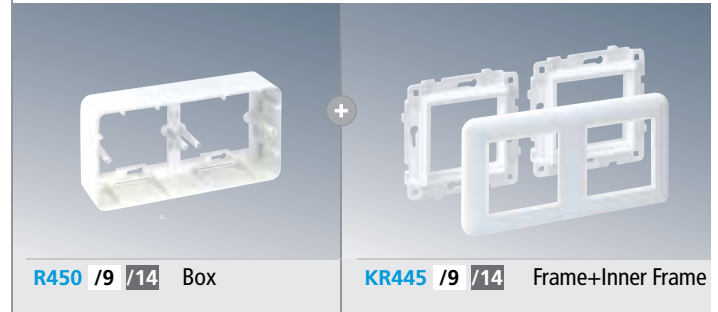
The SCM21F/9 and SCM31F/9 allows access by Mini-trunking.



SURFACE INSTALLATIONS
1 K45 mechanism

R250 /9 /14 Box

KR245 /9 /14 Frame+Inner Frame

2 K45 mechanisms

R450 /9 /14 Box

KR445 /9 /14 Frame+Inner Frame

Supplied from SIMON Mini-trunking (front)

Mini-trunking on page 92


SCM21F /9 Adapter for 20x30 mm Mini-trunking

SCM31F /9 Adapter for 20x50 mm Mini-trunking

i Surface configuration example


	Quantity	Ref./Finish	Description
Enclosure	1	KR445/9	K45 double frame and 2 K45 inner frames, white
	1	R450/9	K45 double surface box, white
Electrical sockets and plates	1	K01/9	K45 electrical socket, Schuko Screw terminal connection, white
	1	K100B/9	K45 plate 1 mechanism with 1 VGA female connector, white Screw connection
Mini-trunking access	1	SCM31F/9	Adapter for 20x50 mini-trunking, white
	1	TM12032/9	20x50 mini-trunking, 2 compartments, white

FLUSH-MOUNT INSTALLATIONS
1 K45 mechanism

MR200 Universal box for masonry wall

KR245 /9 /14 Frame+Inner Frame

2 K45 mechanisms

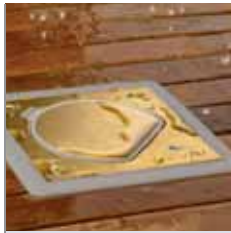
2 MR200 Universal box for masonry wall

KR445 /9 /14 Frame+Inner Frame

i Flush-mount configuration example


	Quantity	Ref./Finish	Description
Enclosure	1	KR245/14	K45 Single frame and K45 inner frame, graphite
	1	MR200	K45 universal flush-mount box for masonry wall
Electrical sockets and plates	1	K01/14	K45 electrical socket, Schuko Screw terminal connection, graphite


Technical details
See page 168



IP 66 WATERTIGHT FLOOR BOXES

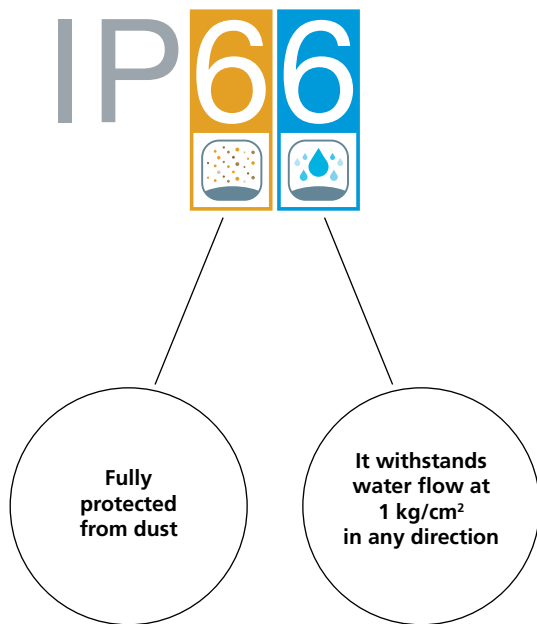
Occasional connection is often required, **sometimes in open outdoor areas**. When closed, the IP66 protection level keeps water and moisture away from the electrical mechanisms.

Can be installed in:

 Shopping centres	 Conference halls	 Hotels	 Home	 Gardens
 Health centres	 Sports centres	 Museums	 Terraces	 Airports

 **DIRECT SNAP-FIT**

IP66 protection level



Combine with Simon 44 AQUA

See page 205 from Simon General Catalogue 2010/2011



A tray for each kind of floor

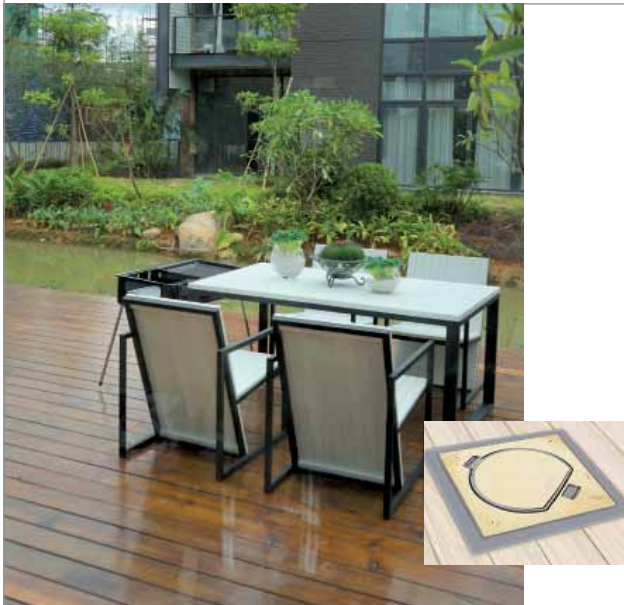
Raised floor



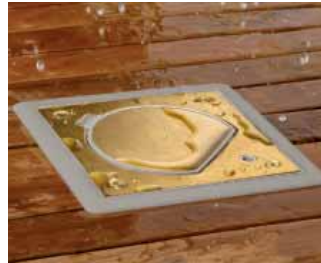
Paving



WATERTIGHT BOX FOR RAISED FLOOR



For ground installation in **gardens and terraces, wooden decking, parquet flooring or raised flooring.**

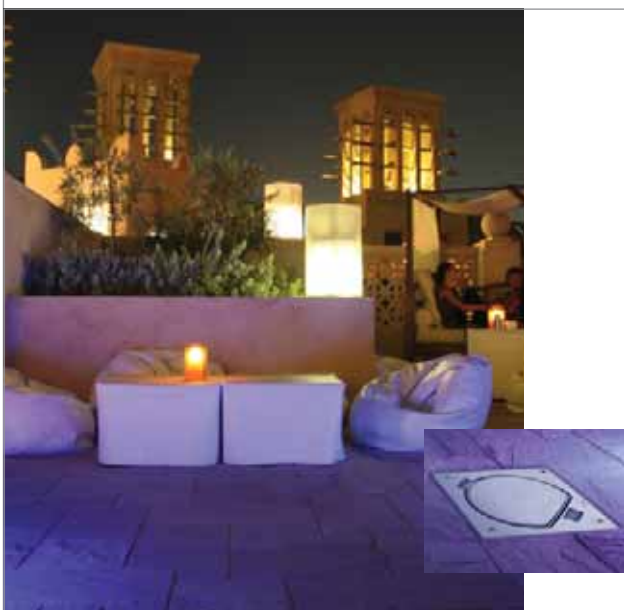


The **bevelled tray** secures the box and hides any installation defects.

Installation via **fastening clips** that anchor the box.



WATERTIGHT BOX FOR PAVING

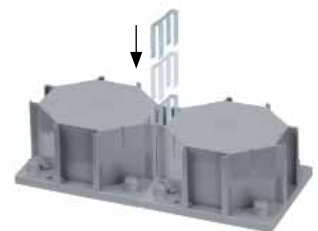


Allows flush installation of the box in **all types of paving (porcelain tile, terrazzo, ceramic, etc.).**



Grouping of watertight boxes

The boxes can be grouped together to provide more connections.



A mechanism holder for each environment



Safety lock
Suitable for areas with **public access**

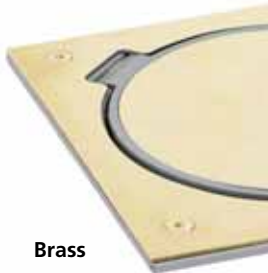


Manual lock
Suitable for less demanding environments

IP 66 WATERTIGHT FLOOR BOXES - CHARACTERISTICS

Strengthened cover

New cover design with greater reinforcement to withstand side impacts.



Brass



Stainless Steel

Maximum resistance

When connected, it can withstand the weight of pedestrians while protecting the cable from pressure and stress.



Safety cover

The **hinge, which opens to less than 90°**, prevents the cover from being left open accidentally causing people to trip over it.



Electricity, Voice and Data in a single box

The **KSE16U/23** mechanism holder incorporates a Schuko electrical connection and an RJ45, Cat. 6 UTP.



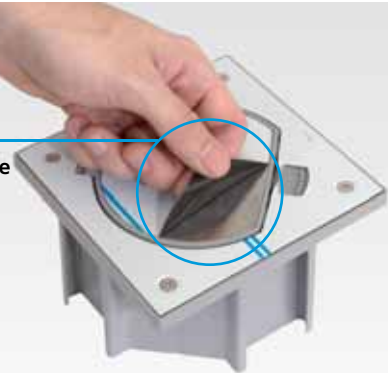
Installation system

An optional drainage pipe can be installed to drain away any possible condensation inside the box. The tray includes a wooden cover that prevents any dirt from getting inside it during installation.



Protective film

Includes **protective film** to avoid the box surface being soiled or damaged during installation.



Safety lock, opening and closing system



The cover-locking system prevents it from closing accidentally or pinching the cable.

Grey

Brass

Stainless Steel

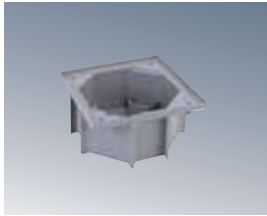
/23

/71

/72

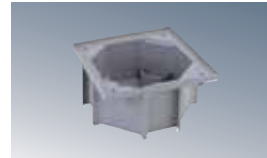
TRAYS

Installation in raised flooring



KGE170TF /23

Flush-mount tray for watertight floor box in **raised floor**, grey colour



Solid floor installation

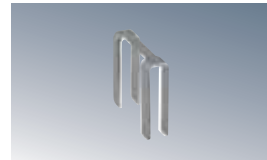
KGE170 /23

Flush-mount tray for watertight floor box in **paved floor**, grey colour



ACSE

Connector accessory for 2 watertight floor boxes for paved floor



COMMON MECHANISM HOLDER FOR BOTH TRAYS

Mechanism holder with safety lock



Stainless steel /72

Brass /71

KSE1SEC/23 /72 /71

With a Schuko socket

KSE0SEC/23 /72 /71

For a K45 mechanism

KSE15USEC/23 /72 /71

With a Schuko socket and 1 RJ45 connector, Cat. 5e UTP



Spare parts



RKS001 /72 /71
Watertight Box Cover

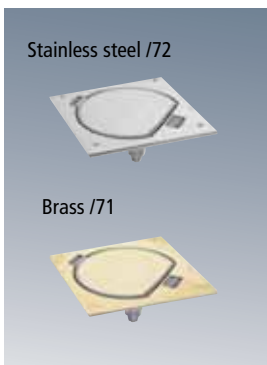


RKS003
Watertight seal Square



RKS004
Watertight seal Circular

Mechanism holder with manual lock



Stainless steel /72

Brass /71

KSE15U/23 /72 /71

With a Schuko socket and 1 RJ45 connector, Cat. 5e UTP

KSE1/23 /72 /71

With a Schuko socket

KSE0/23 /72 /71

For a K45 mechanism

KSE16U/23 /72 /71

With a Schuko socket and 1 RJ45 connector, Cat. 6 UTP



i Paved floor configuration example

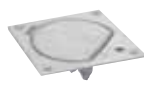
Tray for paved floor



KGE170/23



Mechanism holder with safety lock



KSE1SEC/23 /72



Watertight floor box assembly



Watertight floor box with safety lock and Schuko socket Stainless-steel finish

i Raised floor configuration example

Tray for raised floor



KGE170TF/23



Mechanism holder



KSE15U/23 /71



Watertight floor box assembly



Watertight floor box for raised floor with 1 Schuko socket and 1 RJ45 connector Cat. 5e UTP. Brass finish



K45 ANTI-VANDALISM MINI-TOWERS

Maximum strength: The metal structure of stainless steel and anodised aluminium, together with the plastic trims, provide the balance between mechanical resistance and aesthetics.



Industrial Buildings



Warehouses



Mechanical workshops



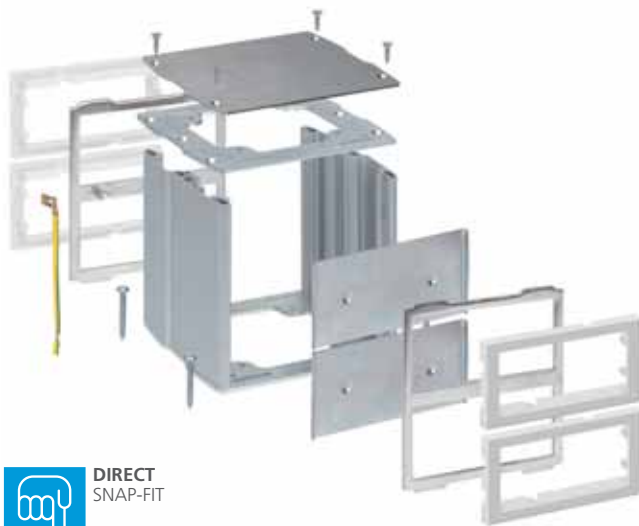
Education centres



Sports centres



DIRECT SNAP-FIT



K45 direct snap-fitting mini-towers: Optional direct snap-fit installation of up to 12 K45 mechanisms without the need for accessories.

✓ Metal divider plate

Guarantees the electromagnetic immunity of the Voice, Data and Multimedia (VDM) installation.



✓ Easy maintenance

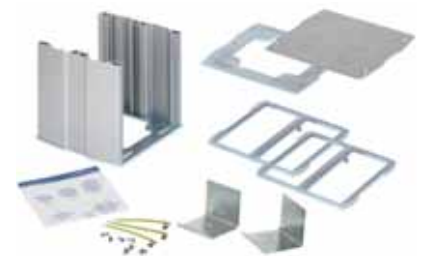
Fold-down inner frames that facilitate the installation and maintenance of connections.



See SIMON 500 CIMA towers on page 62

✓ With all necessary materials

Supplied with inner frames, trim, metal divider plate, connection cable with earth connection and all necessary hardware for installation.



Mechanisms, electrical sockets and plates from page 72

✓ With protective sheath

Protects the mechanisms from impact in adverse environments



✓ Combine with Simon 27 SCUDO

See page 49 from Simon General Catalogue 2010/2011





K45 DOUBLE SIDED MINI-TOWERS

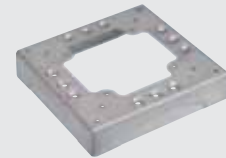
KT400 /8 2 K45 mechanisms per side

KT401 /8 2 K45 mechanisms per side with protective sheath

KT800 /8 4 K45 mechanisms per side

KT1200 /8 6 K45 mechanisms per side

0
Optional



KTA804 /8 Base

Accessories/Spare Parts



KTA401 /8

Protective sheath for KT400/8 mini-tower

FLUSH-MOUNT POWER SUPPLY

The mini-tower can be installed directly or by incorporating the base to elevate the mechanisms and achieve greater isolation from the floor.

Configuration example

Front face



Rear face



	Quantity	Ref./Finish	Description
Enclosure	1	KT800/8	K45 mini-tower, 4 mechanisms per side
Electrical sockets and plates	4	K11/14	K45 electrical socket, Schuko. Quick terminal connection, graphite
	4	KB96U/14	K45 flat V&D plate with 2 RJ45 connectors Cat. 6 UTP, graphite
	1	KTA804/8	Elevation base (optional)

POWER SUPPLY THROUGH FLOOR TRUNKING

Choose the corresponding base for the trunking section and distribution of the installation. [Floor trunking and bases on page 114](#)

Configuration example

Front face



Rear face



	Quantity	Ref./Finish	Description
Enclosure	1	KT1200/8	K45 Anti-vandalism mini-tower, 6 mechanisms per side
Electrical sockets and plates	3	K11/9	K45 electrical socket, Schuko Quick terminal connection, white
	3	K11/6	K45 electrical socket, Schuko Quick terminal connection, red
	2	AC11	Connection block for multi-sockets
	1	K106A/9	K45 plate with 10A automatic circuit-breaker, Curve C, white
	1	KB96U/9	K45 flat V&D plate with 2 RJ45 connectors, Cat. 6 UTP, white
	1	KA96U/9	Half-mech. plate K45 flat V&D plate with 1 RJ45 connector, Cat. 6 UTP, white
	1	K122/9	K45 Multimedia plate for 1 XLR connector, white
	1	K120A/9	K45 end CEI TV socket, screw-connection, white
	1	K100B/9	K45 multimedia plate with one (1) HD15 VGA female connector, white Screw connection
	1	K123B/9	K45 multimedia plate with one (1) 3.5 mm stereo mini-jack connector. Screw connection
	1	KTA804/8	Elevation base for 85x18 mm floor trunking, aluminium
	1	TF11172/8	85x18 mm DCS floor trunking



K45 MINI-COLUMNS



Offices



Laboratories



DIRECT SNAP-FIT

4 K45 MINI-COLUMN MODELS

Simplicity

- 1 face



Compact

- 1 face for VDM
- 1 side for Schukos (ref. K01/..)



For 4 workplaces Maximum capacity

- 4 faces



For 2 workplaces Aesthetics

- 2 faces
- Oval shaped



Flush-mount power supply

(Cables embedded in paving or under raised floor)

K45 mini-columns are installed directly using floor attachment foot.



Supplied with all necessary materials for installation

With **only one reference**, the K45 mini-columns are supplied complete and installation-ready: foot for floor attachment, top and side covers and fastenings.

Mechanisms, electrical sockets and plates from page 72



Power supply through floor trunking

(Floor trunking 85x18 and 130x18)
The adaptor ALKA02/8 provides for K45 mini-columns installation at the bases of the floor trunking and power is supplied through the mini-column.

Floor trunking and bases on page 114



i Configuration example of cable access through embedded tubes



	Quantity	Ref./Finish	Description
Enclosure	1	ALK115/8	K45 Mini-column No. 1, 70x60, one side for 5 mechanisms
Electrical sockets and plates	2	K11/9	K45 electrical socket, Schuko. Quick terminal connection, white
	2	K11/6	K45 electrical socket, Schuko. Quick terminal connection, red
	2	AC11	Connection block for multi-sockets
	1	KB96U/9	K45 flat V&D plate with 2 RJ45 connectors, Cat. 6 UTP, white
	1	K66	90° positioner for K45 VDM plates

Aluminium Anodised	Pure white	Graphite grey
/8	/9	/14

K45 MINI-COLUMNS



1 Side 70x60 mm

- ALK115 /8** 5 K45 mechanisms per side
- ALK116 /8** 6 K45 mechanisms per side
- ALK117 /8** 7 K45 mechanisms per side

No limitations in housing mechanisms



2 Side oval 110x80 mm

- ALK724 /8** 4 K45 mechanisms per side
- ALK725 /8** 5 K45 mechanisms per side
- ALK726 /8** 6 K45 mechanisms per side

No limitations in housing mechanisms



2 Side square 80x80 mm

- ALK224 /8** 4 K45 mechanisms per side
- ALK225 /8** 5 K45 mechanisms per side
- ALK227 /8** 7 K45 mechanisms per side

Designed for electrical bases with screw terminal connections on 1 side and VDM on the opposite side.



4 Sides 125x125 mm

- ALK544 /8** 4 K45 mechanisms per side
- ALK545 /8** 5 K45 mechanisms per side
- ALK546 /8** 6 K45 mechanisms per side

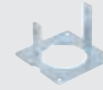
Does not allow electrical sockets with quick terminal connection on 2 of the 4 faces. No restrictions for other mechanisms.

Spare parts

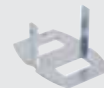
Mini-column invisible fixed foot



RALK005 /8
1 Side ALK11x/8



RALK007 /8
2 Sides square ALK22x/8



RALK006 /8
2 Sides oval ALK72x/8

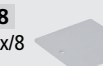


RALK008 /8
4 Sides ALK54x/8

End cover



RALK009 /8
1 Side ALK11x/8



RALK011 /8
2 Sides square ALK22x/8

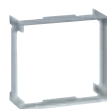


RALK010 /8
2 Sides oval ALK72x/8



RALK012 /8
4 Sides ALK54x/8

K45 Installation accessories



K66
Mechanism Adaptation
K45 90° positioner for VDM plates
[+ information page 80](#)



K106A/..
Protection
K45 circuit-breaker
[+ information page 76](#)



K100B/..
Multimedia Plates
1 VGA connector plate
[+ information page 82](#)



K11/..
Electrical sockets
Quick-connection terminals
[+ information page 74](#)



KB95U/..
VD plates
VD plate with connector
[+ information page 78](#)

Configuration example of cable access through floor trunking

Front face

Rear face



	Quantity	Ref./Finish	Description
Enclosure	1	ALK227/8	K45 Mini-column No. 2, 80x80, 7 mechanisms on each side
Electrical sockets and plates	4	K01/9	K45 electrical socket, Schuko, white
	1	KF04A/9	K45 plate with 10A bipolar automatic circuit-breaker, curve C, white
	1	KB8096U/9	K45 angled V&D plate with 2 RJ45 connectors, Cat. 6 UTP, white
	1	K66	90° positioner for K45 VDM plates
	1	K101B/9	K45 multimedia plate with 2 RCA audio connectors, white Screw connection
	1	K128B/9	K45 multimedia plate with 1 USB connector type A, female. Screw connection
	2	K122/9	K45 Multimedia plate for 1 XLR male or female connector, white
	1	KTA804/8	Base for concrete floor trunking
	1	ALKA02/8	Adapter for base
	1	TF21172/8	Aluminium trunking for paved floor

Technical details
[See page 172](#)



K45 COLUMNS



Easy to install

The column is secured to the ceiling by pressure, without the need for screwing into the ground or the ceiling.

Wide range

There are 4 different section models depending on the number of connection sides, from 1 to 4, in which an unlimited number of mechanisms can be installed.

Installation mobility

The columns are **secured by pressure** on the floor slab. They do not have to be bolted to the floor, and it is therefore very easy to reconfigure the distribution of workplaces.



SIMON 500 CIMA columns with finishes in white and graphite on page 26

Supplied with all necessary materials for installation

With only one reference, the K45 columns are supplied complete and installation-ready: floor attachment foot, ceiling trim, telescopic assembly for securing to the floor slab, aluminium covers and fastenings.

Mechanisms, electrical sockets and plates from page 72



i Configuration example of a column for a supermarket checkout



Enclosure	Quantity	Ref./Finish	Description
	1	ALK1100/8	Column, 70x60, one side, length 3 m.
Electrical sockets and plates	1	K11/9	K45 electrical socket, Schuko. Quick terminal connection, white
	2	K11/6	K45 electrical socket, Schuko. Quick terminal connection, red
	1	AC11	Connection block for multi-sockets
	1	KB8096U/9	K45 angled V&D plate with 2 RJ45 connectors, Cat. 6 UTP, white
	1	K66	K45 90° positioner for VDM plates

K45 COLUMNS

1 Side 70x60 mm

ALK1100 /8 1 side. 3 m.

No limitations in housing mechanisms

2 Sides square 80x80 mm

ALK2200 /8 2 Sides, square 3 m.

Designed for electrical bases with screw terminal connections on 1 side and VDM on the opposite side.

2 Sides oval 110x80 mm

ALK7200 /8 2 Sides, oval 3 m.

No limitations in housing mechanisms

4 Sides 125x125 mm

ALK5400 /8 4 Sides. 3 m.

Does not allow electrical sockets with quick terminal connection on 2 of the 4 faces. No restrictions for other mechanisms.

Fastening support length: 0.5 m

Column Extension 2 sides, square

Includes connector pins

0
Optional

ALK22P05 /8 0.5 m extension

ALK22P10 /8 1 m extension

ALK22P15 /8 1.5 m extension

Section length of the column: 3 m. Fastening support length: 0.5 m

Column Extension 2 sides, oval

Includes connector pins

0
Optional

ALK72P05 /8 0.5 m extension

ALK72P10 /8 1 m extension

ALK72P15 /8 1.5 m extension

Section length of the column: 3 m. Fastening support length: 0.5 m

Column extension 4 sides

Includes connector pins

0
Optional

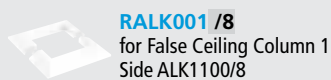
ALK54P05 /8 0.5 m extension

ALK54P10 /8 1 m extension

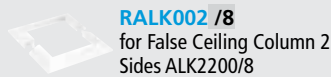
ALK54P15 /8 1.5 m extension

Spare parts

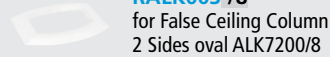
Ring trim



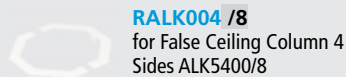
RALK001 /8
for False Ceiling Column 1 Side ALK1100/8



RALK002 /8
for False Ceiling Column 2 Sides ALK2200/8

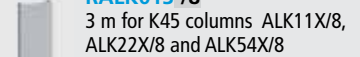


RALK003 /8
for False Ceiling Column 2 Sides oval ALK7200/8

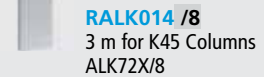


RALK004 /8
for False Ceiling Column 4 Sides ALK5400/8

Front cover



RALK013 /8
3 m for K45 columns ALK11X/8, ALK22X/8 and ALK54X/8



RALK014 /8
3 m for K45 Columns ALK72X/8

K45 Installation accessories



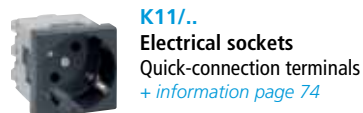
K66
Mechanism Adaptation
K45 90° positioner for VDM plates
[+ information page 80](#)



K106A/..
Protection
K45 circuit-breaker
[+ information page 76](#)



K100B/..
Multimedia Plates
1 VGA connector plate
[+ information page 82](#)



K111..
Electrical sockets
Quick-connection terminals
[+ information page 74](#)



KB95U/..
VD plates
VD plate with connector
[+ information page 78](#)



K45 SWITCHING MECHANISMS

16
A

Designed for offices

Especially designed for spaces with a high density of fluorescent lights, as they support a nominal current of 16 A. Recommended for offices, hospitals, conference halls, etc. as they support power surges that may occur.



Offices



Health centres



Conference halls



Shopping centres



DIRECT SNAP-FIT

✓ Status pilot or pilot light



Push-button with pilot light: for illuminating the mechanism and detecting where it is in the dark.



Switch with status pilot: indicates whether the charge on which it operates is powered or not.



✓ 16A Bipolar switches



✓ 90° positioner

Installs the switching mechanisms on all enclosures and trunkings. Also on K45 Columns or K45 TELEBLOCK using the positioner.



Supplied with the mechanism

Aluminium
Painted

Pure white

Graphite grey

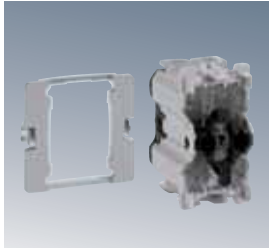
/8

/9

/14

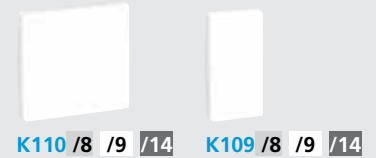
SINGLE-POLE 16 A SWITCHING MECHANISMS

Switches



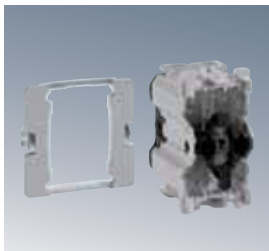
K301 Single-pole 16 A K45 switch without status pilot

Buttons



K110 /8 /9 /14

K109 /8 /9 /14



K302 Single-pole 16 A K45 switch with status pilot

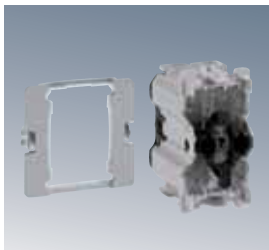


K112 /8 /9 /14

K115 /8 /9 /14

The 90° positioner is supplied with the mechanism

Push-buttons



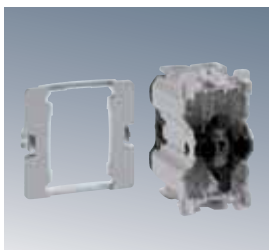
K303 Single-pole 16 A K45 push-button without status pilot

Buttons



K110 /8 /9 /14

K109 /8 /9 /14



K304 Single-pole 16 A K45 push-button with pilot light



K114 /8 /9 /14

K113 /8 /9 /14

The 90° positioner is supplied with the mechanism

16A BIPOLAR SWITCHES



K125A /9 /14 K45 plate with 16 A bipolar switch



KL04 /9 /14 K45 plate with 16 A bipolar illuminated switch

Spare parts

Switching mechanisms
16 A single-pole



K366
90° positioner

 Technical details
See page 173



K45 ELECTRICAL SOCKETS



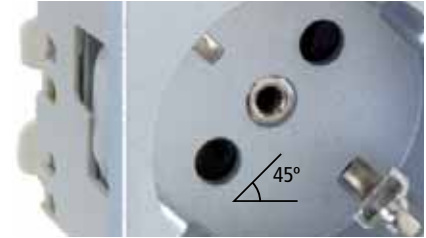
Multi-sockets

Multi-sockets can be created using the AC11 connection accessory.



High connection density

45° sockets allowing high connection density.



Shutter:

Protection



All our sockets include a protective shutter that prevents direct contact with live parts

Selective safety



They protect the UPS line, **allowing only the connection of selected equipment.**

Quick screw-on terminal connection

Quick



Screw



Supports rigid and flexible 2.5 mm² cables

A finish for every application



Red finish

to connect personal computers with uninterrupted-power-supply equipment.



Orange finish

for specific power supply such as servers or in laboratories.



Green finish

for the health sector.



Red	Orange	Aluminium	Pure white	Graphite grey	Green
/6	/7	/8	/9	/14	/27

SCREW TERMINAL CONNECTION

Electrical sockets



K01	/6	/7	/8	/9	/14	Schuko socket with protective shutter
K02	/6	/8	/9	/14		French socket with protective shutter



KLS01	/6	/7	/9	/14	Schuko socket with safety shutter and pilot light (including pin)
KLS02	/6	/9	/14		French socket with safety shutter and pilot light (including pin)



KL01	/6	/7	/9	/14	Schuko socket with protective shutter and pilot light
KL02	/6	/9	/14		French socket with protective shutter and pilot light

QUICK TERMINAL CONNECTION

Electrical sockets

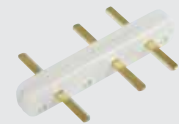


K11	/6	/7	/8	/9	/14	/27	Schuko socket with protective shutter
K22	/6	/7	/8	/9	/14	/27	French socket with protective shutter



KS11	/6	/9	/14	Socket with safety shutter (pin included)
KS22	/6	/9	/14	Socket with safety shutter (pin included)

Connection block



AC11 Connection block for multi-sockets

See application at bottom of page.

Spare parts



AC33 /6
Pin for release the safety shutter on KLS0../.. and KS../.. sockets

Assembly of multi-sockets using the connection block



Insert the connection block in the contacts of the socket.



Press until the connection block is completely inserted in the contacts.



Repeat the process with the next socket and then with the others.



K45 PROTECTION ELEMENTS

The K45 plates with protection elements provide **protection** to persons from electrical hazards and to installations from voltage surges and overloads.



✓ K45 format

The K45 format differential circuit-breakers can be installed in the K45 surface and flush boxes, and thanks to their **high 10 mA sensitivity**, they are suitable for training centres, schools and nurseries.



K45 DIN format

OFIBLOCK K45, perimeter assembly in trunking, mini-columns and direct snap-fit K45 columns.



Aesthetic integration

✓ Assembly sequence of the plate for DIN format elements



1 Clip the DIN guide to the circuit-breaker or differential switch.



2 Clip the assembly to the section or to the perimeter trunking.



3 Fit on the top cover.

Aluminium

Pure white

Graphite grey

/8

/9

/14

K45 PLATES WITH PROTECTION ELEMENTS



KF04A /8 /9 /14 K45 plate 3 mechanisms with 16 A bipolar circuit-breaker, Curve C

KF04B /8 /9 /14 K45 plate 3 mechanisms with 10 A bipolar circuit-breaker, Curve C



KF04C /8 /9 /14 K45 plate 3 mechanisms with 25 A differential, with $I_{\Delta N}$ sensitivity of 30 mA



K106A /8 /9 /14 K45 plate with 10 A circuit-breaker, Curve C



K107A /8 /9 /14 K45 plate with 10 A circuit-breaker differential, with $I_{\Delta N}$ sensitivity of 10 mA

K45 PLATES FOR DIN FORMAT PROTECTION ELEMENTS



KF03 /8 /9 /14 K45 plates 3 mechanisms for circuit-breaker or differential, DIN format

OFIBLOCK PLUS K45 configuration example



	Quantity	Ref./Finish	Description
Enclosure	1	KFP105/14	OFIBLOCK PLUS K45 with 5 usable K45 mechanisms, graphite
Electrical sockets and plates	1	KF04B/14	K45 plate with 10A bipolar circuit-breaker, curve C, graphite
	3	K11/14	Quick terminal connection Schuko-format K45 electrical socket, graphite
	2	AC11	Connection block for multi-sockets
	1	K20/14	K45 cable input plate with retainer included, graphite

K45 VOICE AND DATA PLATES



Angled plates

The angled plates are perfect for large connectors and respect **radius curvature** in category 6 and FTP cables.



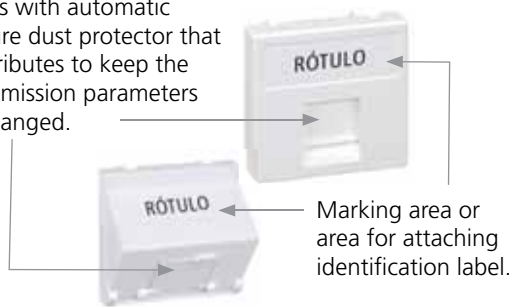
Flat plates

Flat plates provide full integration in boxes and trunkings.



We take care of the connectors

Plates with automatic closure dust protector that contributes to keep the transmission parameters unchanged.



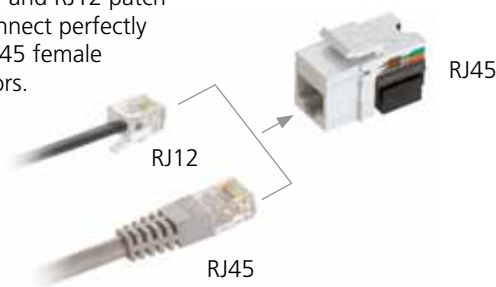
Full compatibility

The SIMON philosophy has always been to make it possible to add any connector on the market to our enclosures.



1 connector for several types of patch cords

The RJ11 and RJ12 patch cords connect perfectly to the RJ45 female connectors.



More Solutions for Structured Cabling



Rack Cabinet page 122

Cable page 132

MD modules for angled plates

Clipping sequence of the MD modules on angled plates.



Aluminium

Pure white

Graphite grey

/8

/9

/14

K45 VOICE AND DATA PLATES WITH SIMON RJ45 CONNECTORS

Angled plates with dust protector

1 UTP connector

K8096U /8 /9 /14 Category 6

K8095U /8 /9 /14 Category 5e



1 FTP connectors

K8096F /8 /9 /14 Category 6

K8095F /8 /9 /14 Category 5e



2 UTP connectors

KB8096U /8 /9 /14 Category 6

KB8095U /8 /9 /14 Category 5e



Flat plates with dust protector

1 UTP connector (half-mecanism)

KA96U /8 /9 /14 Category 6

KA95U /8 /9 /14 Category 5e



1 FTP connector (half-mecanism)

KA96F /8 /9 /14 Category 6

KA95F /8 /9 /14 Category 5e



1 UTP connector

K96U /8 /9 /14 Category 6

K95U /8 /9 /14 Category 5e



1 FTP connectors

K96F /8 /9 /14 Category 6

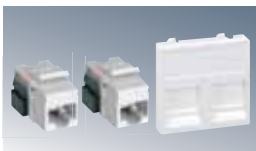
K95F /8 /9 /14 Category 5e



2 UTP connectors

KB96U /8 /9 /14 Category 6

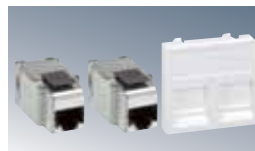
KB95U /8 /9 /14 Category 5e



2 FTP connectors

KB96F /8 /9 /14 Category 6

KB95F /8 /9 /14 Category 5e



Flat plates without dust protector

1 UTP connector

K096U /9 Category 6

K095U /9 Category 5e



1 FTP connectors

K096F /9 Category 6

K095F /9 Category 5e



2 UTP connectors

KB096U /9 Category 6

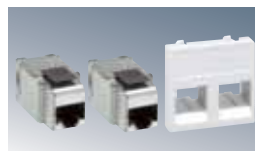
KB095U /9 Category 5e



2 FTP connectors

KB096F /9 Category 6

KB095F /9 Category 5e



Cable connection tool

Insertion and cutting sheet included
Other Structured Cabling tools
on page 135







CH100

IDC110 cable connection tool for voice and data connectors and panels

Technical details
See page 175

COMPATIBILITY CIMA VOICE AND DATA PLATES BY SIMON

Angled K45 plates for other brands of connectors

	With dust protector		Without dust protector	
	1 connector	2 connectors	1 connector	2 connectors
MANUFACTURERS				

Finish options

/9 /14 /8

/9 /14

SIMON	K80/.. + MD67	KB80/.. + 2 MD67	K080/.. + MD67	KB080/.. + 2 MD67
3M® (Volition OCK®: RJ45, K5e, K6)	-	-	K080/.. + MD45	KB080/.. + 2 MD45
AMP netconnect® (TYCO ELECTRONICS®)				
Standard 110	K80/.. + MD67	-	K080/.. + MD67	-
SL110 and SL toolless	K80/.. + MD67	KB80/.. + 2 MD67	K080/.. + MD67	KB080/.. + 2 MD67
216000 and 216005	K80/.. + MD64	-	K080/.. + MD67	-
BeldenCDT® (NORDX®)				
Giga Flex MDVO	K80/.. + MD68	KB80/.. + 2 MD68	K080/.. + MD68	KB080/.. + 2 MD68
Giga Flex Keystone	K80/.. + MD64	KB80/.. + 2 MD64	K080/.. + MD64	KB080/.. + 2 MD64
BRAND-REX® (BICC®)	K80/.. + MD67	-	K080/.. + MD67	-
CORNING® (SIEMENS®)	K80/.. + MD79	KB80/.. + 2 MD79	K080/.. + MD79	KB080/.. + 2 MD79
ERSYS®	K80/.. + MD64	KB80/.. + 2 MD64	K080/.. + MD64	KB080/.. + 2 MD64
ADC KRONE®				
KM8 keystone series	K80/.. + MD64	KB80/.. + 2 MD64	K080/.. + MD64	KB080/.. + 2 MD64
HK keystone series	K80/.. + MD64	-	K080/.. + MD64	-
MOLEX®	K80/.. + MD64	KB80/.. + 2 MD64	K080/.. + MD64	KB080/.. + 2 MD64
NEXANS® (LAN mark®-5 EVO, LAN mark®-6 EVO)	K80/.. + MD85	KB80/.. + 2 MD85	K080/.. + MD85	KB080/.. + 2 MD85
ORTRONICS®				
Clarity TechChoice Keystone	K80/.. + MD64	KB80/.. + 2 MD64	K080/.. + MD64	KB080/.. + 2 MD64
PANDUIT®	K80/.. + MD69	KB80/.. + 2 MD69	K080/.. + MD69	KB080/.. + 2 MD69
R&M® (REICHEL DE MASSARI®)				
CLASSIC Cat5e (R304326, R304325)	K80/.. + MD54	KB80/.. + 2 MD54	K080/.. + MD54	KB080/.. + 2 MD54
STAR Cat6 (R304328)	K80/.. + MD54	KB80/.. + 2 MD54	K080/.. + MD54	KB080/.. + 2 MD54
REAL 10 (R304327, R313083)	K80/.. + MD54	KB80/.. + 2 MD54	K080/.. + MD54	KB080/.. + 2 MD54
RIT®	K80/.. + MD67	KB80/.. + 2 MD67	K080/.. + MD67	KB080/.. + 2 MD67
SIEMON®				
MAX Keystone Series	K80/.. + MD64	KB80/.. + 2 MD64	K080/.. + MD64	KB080/.. + 2 MD64
SYSTIMAX® (AVAYA®) (ATT®)	K80/.. + MD63	KB80/.. + 2 MD63	K080/.. + MD63	KB080/.. + 2 MD63

Certain FTP connectors may be incompatible if installed in double plates. Check compatibility.
Simon bears no responsibility for any change or modification made by the connector manufacturer.

Accessory



K66

K45 90° positioner to place the K45 Voice and Data plates in a vertical position for TELEBLOCK K45, K45 Columns and Mini-columns.

COMPATIBILITY CIMA VOICE AND DATA PLATES BY SIMON

Flat K45 Plates for other brands of connectors

	With dust protector			Without dust protector		
	1 connector (half mechanism)	1 connector	2 connectors	1 connector (half mechanism)	1 connector	2 connectors
MANUFACTURERS						

Finish options

/9 /14

SIMON	▶ KA76/..*	▶ K76/..*	▶ KB76/..*	-	▶ K076/..	▶ KB076/..
3M® (Volition OCK®: RJ45, K5e, K6)				KA045/..	K045/..	KB045/..
AMP netconnect® (TYCO ELECTRONICS®)						
Standard 110	▶ KA76/..	▶ K76/..	-	-	▶ K076/..	-
SL110 and SL toolless	▶ KA76/..	▶ K76/..	▶ KB76/..	-	▶ K076/..	▶ KB076/..
216000 and 216005	▶ KA76/..	▶ K76/..	-	-	▶ K076/..	-
Belden CDT ® (NORDX) ®						
Giga Flex MDVO	KA68/..	K68/..	KB68/..	-		
Giga Flex Keystone	▶ KA76/..	▶ K76/..	▶ KB76/..	-	▶ K076/..	▶ KB076/..
BRAND-REX® (BICC®)	▶ KA76/..	▶ K76/..	-	-	▶ K076/..	-
ERSYS®	▶ KA76/..	▶ K76/..	▶ KB76/..	-	▶ K076/..	▶ KB076/..
GENERAL CABLE®	▶ KA76/..	▶ K76/..	▶ KB76/..	-	▶ K076/..	▶ KB076/..
IBM®	-	K87/..	KB87/..	-	K087/..	-
INFRA +®	KA75/..	K75/..	KB75/..	-	K075/..	KB075/..
ITT CANNON®	KA65/..	K65/..	KB65/..	-		
KRONE®						
KM8 keystone series	▶ KA76/..	▶ K76/..	▶ KB76/..	-	▶ K076/..	▶ KB076/..
HK keystone series	-	K82/..	-	-		
MOLEX®	▶ KA76/..	▶ K76/..	▶ KB76/..	-	▶ K076/..	▶ KB076/..
NEXANS® (LAN mark®-5EVO, LAN mark®-6EVO)	KA85/..	K85/..	KB85/..	-	K085/..	KB085/..
ORTRONICS®						
Clarity TracJack	-	-	-	-	-	-
Clarity TechChoice Keystone	▶ KA76/..	▶ K76/..	▶ KB76/..	K281/..	▶ K076/..	▶ KB076/..
PANDUIT®	KA69/..	K69/..	KB69/..	-	K069/..	KB069/..
R&M® (REICHLÉ DE MASSARI®)						
CLASSIC Cat5e (R304326, R304325)	-	-	-	-	K054/..	-
STAR Cat6 (R304328)	-	-	-	-	K054/..	-
REAL 10 (R304327, R313083)	-	-	-	-	K054/..	-
RIT®	▶ KA76/..	▶ K76/..	▶ KB76/..	-	▶ K076/..	▶ KB076/..
SIEMON®						
MAX Series	-	-	-	-	-	KB72 /9
MAX Keystone Series	▶ KA76/..	▶ K76/..	▶ KB76/..	-	▶ K076/..	▶ KB076/..
SYSTIMAX® (AVAYA®) (ATT®)	▶ KA76/..	▶ K76/..	▶ KB76/..	-	▶ K076/..	▶ KB076/..

90° positioner for Voice and Data plates installed in vertical sections such as K45 TELEBLOCK



1



CLICK!

2



3



K45 MULTIMEDIA PLATES



- ✓ **Audiovisual plates for multimedia connections with projectors, audio systems, mobile devices, video-conferencing and IT equipment.**

Especially suitable for installation in meeting rooms, auditoriums, mixing rooms, etc.

Compatible with K45 and 500 CIMA enclosures (using adaptor plates [See page 76](#))



- ✓ **Centralisation of audiovisual equipment**



- ✓ **New easier terminal connection system. No welding**



Screw-fasten terminals



Female-female

i Meeting room configuration example



Enclosures	Quantity	Ref./Finish	Description
	1	KFC104/14	Ofiblock K45 with 4 usable K45 mechanisms, graphite
	1	KSF134/8	Frame for Ofiblock Line K45, polished chrome-plated
Electrical sockets and plates	1	K11/14	Quick terminal connection Schuko-format K45 electrical socket, graphite
	1	KB96U/14	K45 V&D flat plate with 2 connectors Cat. 6 UTP, graphite
	1	K100B/14	K45 plate with 1 VGA female connector, graphite Screw connection
	1	K128B/14	K45 plate with 1 USB connector type A, female, graphite. Screw connection
	1	K129B/14	K45 plate with 1 HDMI connector, graphite Female-female connection

Aluminium painted

Pure white

Graphite grey

/8

/9

/14

K45 TV-SAT SOCKETS



K130A
/8 /9 /14
K45 plate with male TV socket + IEC universal female female SAT. Connection by screw



K102B
/8 /9 /14
K45 1/2-mechanism plate with one IEC simple female TV socket. Connection by soldering



K120A
/8 /9 /14
K45 plate with IEC simple male TV socket. Connection by screw



K102C
/8 /9 /14
K45 1/2 mechanism plate with 1 single female satellite socket. Female. Connection by soldering

MULTIMEDIA CONNECTIONS



K126A
/8 /9 /14
5V/DC USB charger and micro-USB patch cord. For charging PDAs, mobile phones, etc.



K105B
/8 /9 /14
K45 1/2 mechanism plate with 3 RCA audio and video connectors. Connection by screw



K128B
/8 /9 /14
K45 1/2 mechanism plate with 1 USB connector type A, female. Connection by screw



K123B
/8 /9 /14
K45 1/2 mechanism plate with 1 mini-jack connector. Connection by screw



K100B
/8 /9 /14
K45 plate 1 mechanism with 1 VGA female connector. Connection by screw



K103B
/8 /9 /14
K45 1/2 mechanism plate with 1 S-Video female connector. Connection by screw



K129B
/8 /9 /14
K45 1/2 mechanism with 1 HDMI connector. Female-female connection



K102D
/8 /9 /14
K45 1/2 mechanism plate with 1 BNC 75 Ω connector. Connection by soldering



K101B
/8 /9 /14
K45 1/2 mechanism plate with 2 RCA audio connectors. Connection by screw



K104A
/8 /9 /14
K45 plate 2 mechanisms with 1 SUBD 25 female connector. Parallel port. Connection by soldering

PLATES FOR XLR CONNECTORS



K122
/8 /9 /14
K45 1 mechanism plate for 1 XLR male or female connector



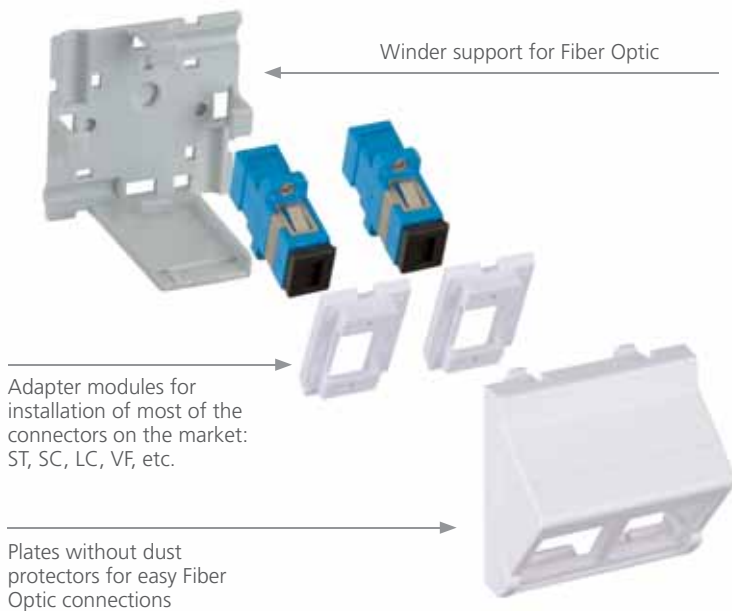
K45 PLATES FOR FIBER OPTIC

Fibre to the workstation

At SIMON we are one step ahead of the future and have believed in Fiber Optic access at workstation terminals for some time now. We therefore have a broad range of plates for most Fiber Optic connectors on the market.



Angled plate with the **AC80 accessory**, Fiber Optic winder mount



CONFIGURATIONS

Plate mounted with ST connectors and Fiber Optic winder support.



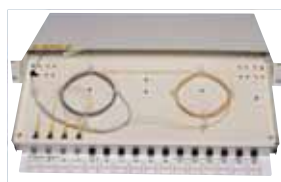
Plate mounted with SC duplex connectors and Fiber Optic winder support.



More Fiber Optic elements at:



Rack cabinet
[+ information page 122](#)



Distribution trays
[+ information page 137](#)



Adapters and connectors
[+ information page 137](#)

K45 PLATES WITH 2 ST ADAPTERS



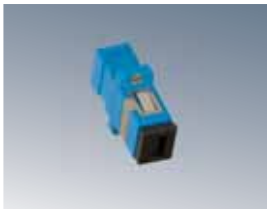
Angled K45 plate for 2 ST adaptors with Fiber Optic winder support (Optional)

K45 PLATES WITH 1 DUPLEX SC ADAPTER



Angled K45 plate for 1 SC duplex adaptor with Fiber Optic winder support (Optional)

K45 PLATES FOR 2 INDIVIDUAL SCs (WITHOUT CONNECTORS)



Angled K45 plate for 2 SC simplex connectors with Fiber Optic winder support (Optional)



KB74 /9

Angled K45 plate for 2 SC simplex connectors (AC80 not compatible)

K45 PLATES FOR LC (WITHOUT CONNECTORS)



Angled K45 plate for 1 LC connector with Fiber Optic winder support (Optional)

K45 PLATES FOR 3M® VF-45 (WITHOUT CONNECTORS)



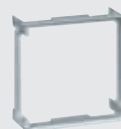
Angled K45 plate for 1 3M® VF-45 connector

Accessories



AC80

Fiber Optic winder support for K080/.., KB080/.. and K74/.. plates



K66

K45 90° positioner for placing the Voice and Data plates in vertical position in K45 Columns and TELEBLOCK K45.

See installation sequence on page 81



K45 PLATES FOR QUICK-CONNECTION SYSTEM



K45 PLATES WITH QUICK-CONNECTION CONNECTORS



K121A /9 /14 K45 plate with one (1) K45 3 pole male quick-connector



K121B /9 /14 K45 plate with one (1) 3 pole female quick-connector



K305A /9 /14 K45 plate with one (1) IEC320 male quick-connector



K306A /9 /14 K45 plate with one (1) IEC320 female quick-connector

K45 PLATES FOR QUICK-CONNECTION CONNECTORS



K121 /9 /14 K45 plate for one 3 pole male or female quick-connection connector



KB18 /9 /14 K45 plate for two 3 pole male or female quick-connection connectors



K18 /9 /14 K45 plate for one 3 pole male or female quick-connection connector



K18W5 /9 /14 K45 plate for one 5 pole male or female quick-connection connector

Other quick-connection elements

See quick connection on page 140

3 pole connectors



Patch cords



5 pole connectors



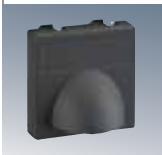
 Technical details
See page 181



K45 PLATES - VARIOUS



K45 PLATES FOR CABLE OUTLET



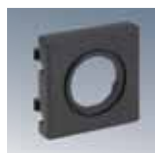
K10 /8 /9 /14 K45 cable outlet plate. Includes rings for holding cables using flanges.



K21 /9 /14 K45 20x30 trunking access plate for OFIBLOCK PLUS



K20 /9 /14 K45 cable outlet plate with retainer included (2 Ø 13 mm and 4 Ø 6 mm)



K19 /9 /14 K45 plate for Ø 22 mm pipe or gland seal and Ø 29 mm pre-punched hole

K45 BLIND PLATES



K105 /8 /9 /14 Half K45 mechanism blind plate



K17 /8 /9 /14 K45 blind plate

K45 SIGNALLING AND BEACONING PLATES



KL05 /9 /14 K45 plate with power indicator pilot light

 Technical details
See page 181



PVC and Aluminium mini-trunking



PVC and Aluminium cable adapter trunking



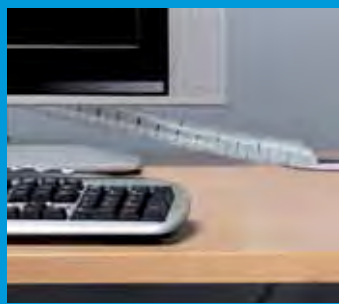
PVC and Aluminium K45 CABLOMAX trunking



PVC and Aluminium K45 trunking



DCS system



Cable organiser

Simon trunking

Mini-trunking	92 >	PVC mini-trunking
	96 >	Aluminium mini-trunking
Cable adapter trunking	98 >	PVC Cable adapter trunking
	100 >	Aluminium cable adapter trunking
K45 trunking with direct snap-fitting	104 >	K45 CABLOMAX trunking
	108 >	K45 PVC and aluminium trunking
Floor trunking	114 >	DCS system
Multifunction	116 >	Cable organiser



Self-extinguishing, halogen-free materials:
A guarantee of safety for persons, equipment and information.



Compatibility with all the Voice, Data and Multimedia connectors on the market.



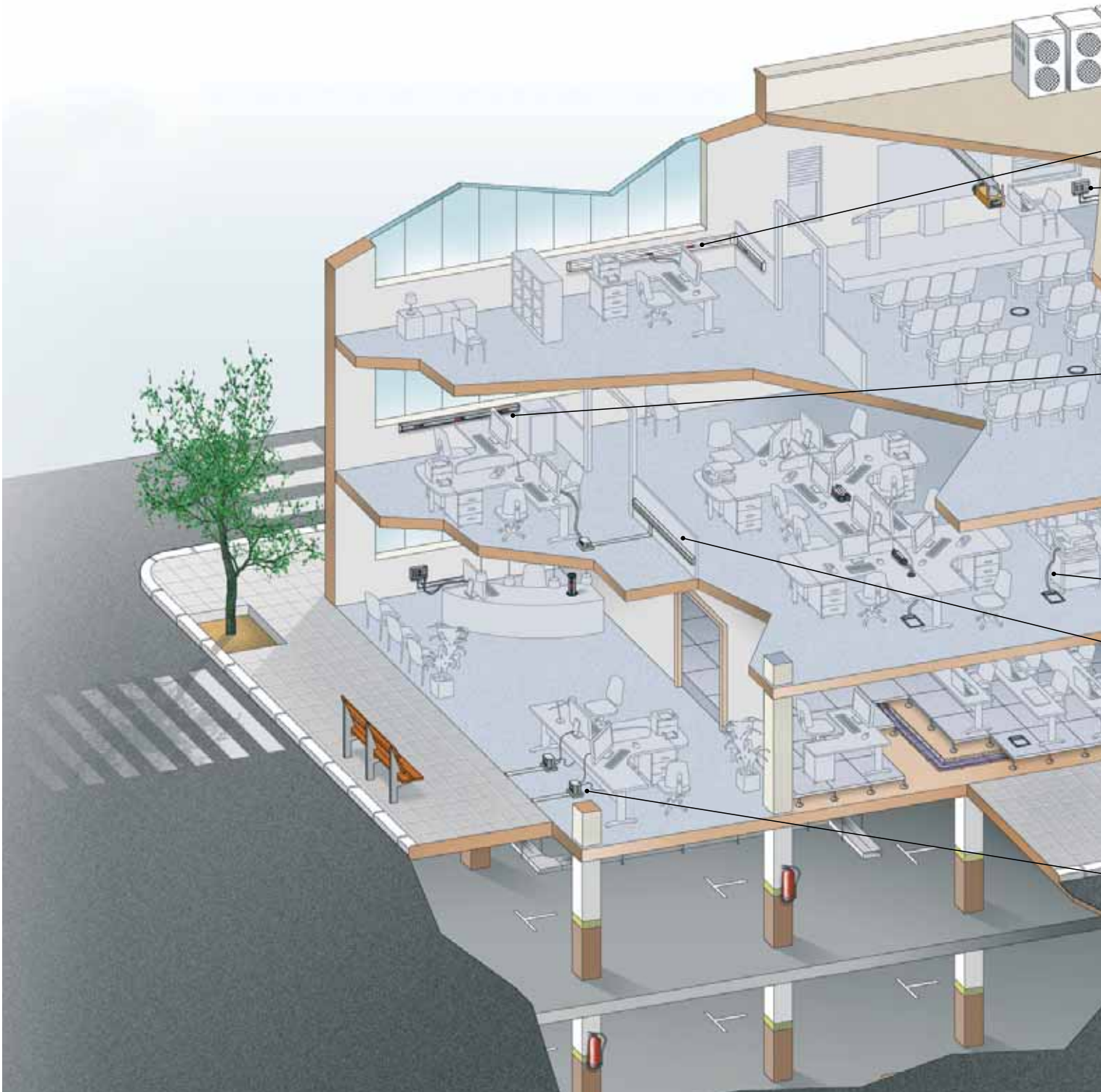
RoHS directive.
SIMON CONNECT trunkings comply with the European RoHS Directive on thermoplastic and metal materials.

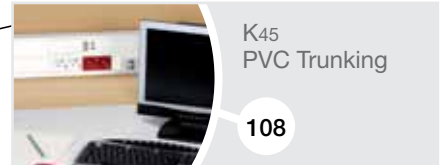
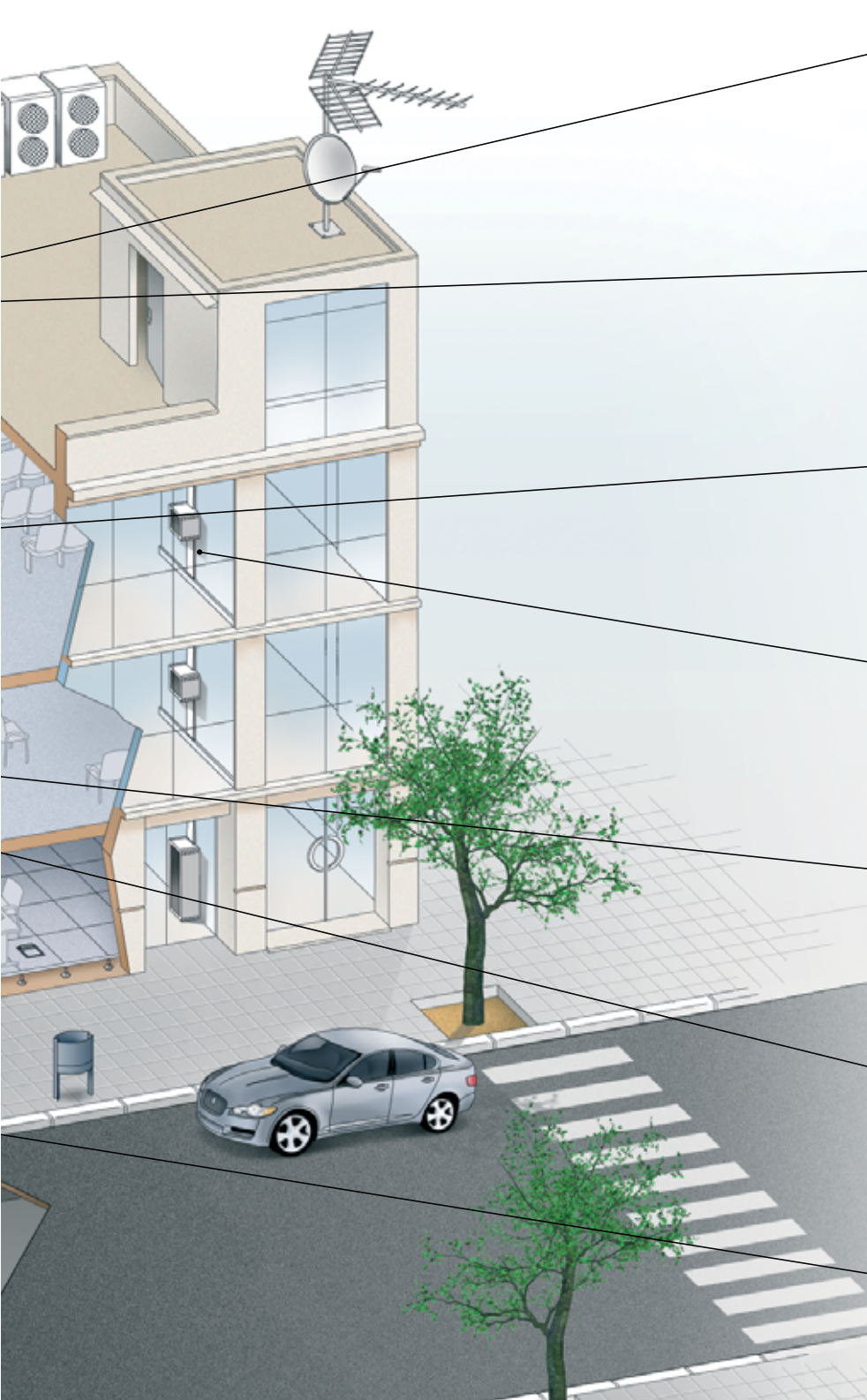


Circuit separation.
Optimum separation of electricity and telecommunication cables.



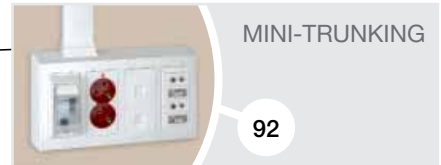
PRODUCT APPLICATION





K45
PVC Trunking

108



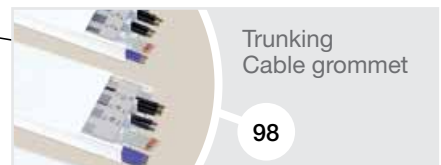
MINI-TRUNKING

92



CABLOMAX K45
Trunking

104



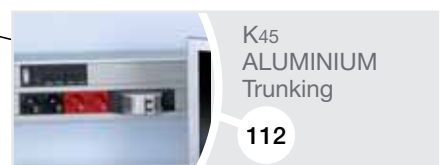
Trunking
Cable grommet

98



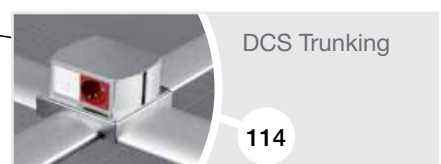
Cabling
Organiser

116



K45
ALUMINIUM
Trunking

112



DCS Trunking

114



PVC MINI-TRUNKING

C Specifications:

- Material: PVC mini-trunking.
- White thermoplastic accessories.
- Trunking length: 2 metres sections.
- Protective film.
- IP protection level: 4x.
- Impact resistance: IK07, medium.
- Does not propagate flames.
- Hinged cover.

Complies with:

- Directive 2006/95/EC.
- Low voltage electrotechnical regulations, Royal Decree 842/2002
- Harmonised standard UNE-EN-50.085.
- Regulations for Common Telecommunication Infrastructures (RICT) RD 401/2003.
- ROHS directive.
- EC-marked product.

✓ Mini-trunking with fold-down cover

The cover design makes it possible to retain the cables while performing the installation.



✓ Easy to install



All the models are equipped with two runners every 25 cm, which allows quick and easy fastening of the trunking to the wall.



The 10x22 mm model with standard adhesive makes it possible to quickly and easily attach the mini-trunking to the wall.

✓ Cable retainer

The 40x60 mm mini-trunking model is supplied with 1 cable retainer every 0.5 m.



✓ Separation of electrical and VDM circuits



Optimum separation of the low-tension current circuits and improved organisation of electrical and telecommunications cables.



Option to choose measurement for Mini-trunking with dual compartment (**Models 20x30 mm, 20x50 mm and 40x60 mm**)



JUNCTION AND INTEGRATION WITH K45 TRUNKING AND PVC CABLE ADAPTER TRUNKING.

Junction of any size from the K45 Trunking and PVC Cable adapter trunking series to the Mini-trunking with 1 single accessory (ref. TKA107/9).



INTEGRATION OF 500 CIMA SURFACE BOXES

Adapter references 51010900-030 and 51020900-030 allow front adaptation of 500 CIMA boxes to 20x30 mm and 20x50 mm Mini-trunking. [See page 23](#)



INTEGRATION OF INDIVIDUAL K45 BOXES AND OFIBLOCK PLUS K45

Adapter references SCM21F/9 and SCM31F/9 allow front adaptation of K45 boxes and Ofiblock Plus K45 to 20x30 mm and 20x50 mm Mini-trunking. [See page 60 and 54](#)



INTEGRATION WITH SIMON 73 LOFT

See Simon 73 Loft.
[See page 193 from Simon General Catalogue 2010/2011](#)



INTEGRATION WITH SIMON 82 CENTRALISATIONS






See Simon 82 Centralisations.
[See page 143 from Simon General Catalogue 2010/2011](#)



PVC MINI-TRUNKING

Mini-trunking

Accessories

Mini-trunking	Flat angle piece	External angle piece	Internal angle piece	End cover	
 <ul style="list-style-type: none"> • PVC • Length: 2 m 					
10x22 mm. 1 compartment	TM1022 /9	TMA101201 /9	TMA102201 /9	TMA103201 /9	TMA104201 /9
10x22 mm with adhesive 1 compartment	TM1022A /9	TMA101201 /9	TMA102201 /9	TMA103201 /9	TMA104201 /9
20x30 mm. 1 compartment	TM12021 /9	TMA101202 /9	TMA102202 /9	TMA103202 /9	TMA104202 /9
20x30 mm. 2 compartments	TM12022 /9	TMA101202 /9	TMA102202 /9	TMA103202 /9	TMA104202 /9
20x50 mm. 1 compartment	TM12031 /9	TMA101203 /9	TMA102203 /9	TMA103203 /9	TMA104203 /9
20x50 mm. 2 compartments	TM12032 /9	TMA101203 /9	TMA102203 /9	TMA103203 /9	TMA104203 /9
40x60 mm. 1 compartment	TM12051 /9	TMA101205 /9	TMA102205 /9	TMA103205 /9	TMA104205 /9
40x60 mm. 2 compartments	TM12052 /9	TMA101205 /9	TMA102205 /9	TMA103205 /9	TMA104205 /9

The 40x60 mm Mini-trunking is supplied with 1 retainer every 0.5 m

Pure white

/9

				 20x30 mm 20x50 mm
TMA105201 /9	TMA106201 /9	-	TKA107 /9	-
TMA105201 /9	TMA106201 /9	-	TKA107 /9	-
TMA105202 /9	TMA106202 /9	-	TKA107 /9	K45 SCM21F /9 500 CIMA 51010900-030
TMA105202 /9	TMA106202 /9	-	TKA107 /9	K45 SCM21F /9 500 CIMA 51010900-030
TMA105203 /9	TMA106203 /9	-	TKA107 /9	K45 SCM31F /9 500 CIMA 51020900-030
TMA105203 /9	TMA106203 /9	-	TKA107 /9	K45 SCM31F /9 500 CIMA 51020900-030
TMA105205 /9	TMA106205 /9	in trunking 40x60 TMA107205 /9	TKA107 /9	-
TMA105205 /9	TMA106205 /9	in trunking 40x60 TMA107205 /9	TKA107 /9	-



ALUMINIUM MINI-TRUNKING

C Specifications:

- Material: anodised-aluminium Mini-trunking.
- Anodised-aluminium / steel accessories.
- Trunking length: 2 metres sections.
- Protective film.
- IP protection level: 4x.
- Impact resistance: IK07, medium.
- Does not propagate flames.

Complies with:

- Directive 2006/95/EC.
- Low voltage electrotechnical regulations, Royal Decree 842/2002
- Harmonised standard UNE-EN-50.085.
- Regulations for Common Telecommunication Infrastructures (RICT) RD 401/2003.
- ROHS directive.
- EC-marked product.

✓ Optimum installation

Especially designed for cabling distribution and junctions or internal installation of the pre-cabled ELECTROBANDA trunking (65x40 mm model).

DCS System integration: floor trunking

The junction accessory of the DCS trunking to the perimeter trunking allows the distribution of cables from the floor trunking (85x18 mm and 130x18 mm models) to the wall-mounted trunking (65x20 mm model).

[See page 114](#)



✓ Separation of electrical and VDM circuits

The trunking's **dual compartment** (65x20 mm model) allows electrical and telecommunications cables to be separated and better organised.



Aluminium mini-trunking 65x20 mm 2 compartments



✓ Adaptation of pre-cabled Electrobanda trunking

It allows quick and easy installation of the pre-cabled ELECTROBANDA trunking, which clips directly onto the 65x40 mm model.

[See page 144](#)



Aluminium mini-trunking 65x40 mm and ELECTROBANDA

Anodised aluminium Pale grey

/8 /24

ALUMINIUM MINI-TRUNKING

Trunking

Accessories

<ul style="list-style-type: none"> Aluminium with 65 mm cover Length: 2 m 	Flat 90° angle piece	External 90° angle piece	Internal 90° angle piece	End cover

65x20 mm
2 compartments

	-	TMA202104 /8 *	TMA203104 /8 *	TMA204404 /8
TM21042 /8				

65x40 mm
1 compartment

	TMA201106 /8 *	TMA202406 /24	TMA203406 /24	TMA204106 /8
TM21061 /8				

* 2 trunking sections cut at an angle

Functional accessories



TKA903
Section connecting pin



TKA904
Cable with faston connector for 120 mm earth connection

Adaptation of pre-cabled ELECTROBANDA trunking mechanisms



TMA08 /8
65x120 mm aluminium plate for ELECTROBANDA Schuko socket



TMA07 /8
65x120 mm aluminium plate for ELECTROBANDA French socket

Spare Parts Aluminium mini-trunking with 65 mm cover



RTT003 /8
Front cover for aluminium mini-trunking 65x40 mm anodised aluminium



RTP001 /8
Mini-trunking section 65x40 mm anodised aluminium



PVC CABLE ADAPTER TRUNKING

C Specifications:

- Material: PVC trunking.
- White thermoplastic accessories.
- Allows for the adaptation of SIMON universal mechanisms and 500 CIMA surface boxes.
- Trunking length: 2 metres sections.
- Protective film.
- IP protection level: 4x.
- Impact resistance: IK07, medium.
- Does not propagate flames.

Complies with:

- Directive 2006/95/EC.
- Low voltage electrotechnical regulations, Royal Decree 842/2002
- Harmonised standard UNE-EN-50.085.
- Regulations for Common Telecommunication Infrastructures (RICT) RD 401/2003.
- ROHS directive.
- EC-marked product.

Integration of 500 CIMA surface boxes

Perfect adaptation of the **500 CIMA** surface boxes with any Cable Adapter Trunking.



Sturdier

Sturdier and improved cable fastening by positioning the retainer at any point of the trunking.

All models include 1 cable retainer for every 0.5 metres.



Separation of electrical and VDM circuits

Optimum separation of the low-voltage current circuits and improved organisation of electrical and telecommunications cables. Cable Adapter Trunking offers the possibility of configuring up to 6 compartments.



Curvature angles

It keeps the perfect curvature of the structured cabling using the cable junction (TSA003). A single reference valid for all trunking sizes.



Installation ease

All models are equipped with two mounting holes every 25 cm, which allows quick and easy fastening to the wall.



NEW CABLE FASTENING SYSTEM

The flange holder holes every 25 cm on the anchor guide facilitate fastening of the cabling without the need for any additional accessories.



PERFECT ALIGNMENT

Perfect and quick alignment is achieved using the connection sections, with no tools required.



WITH PROTECTIVE FILM



T JUNCTION

It allows making branches to main or secondary trunkings with an excellent finish.



INTEGRATION WITH THE MINI-TRUNKING

A single accessory (TKA107/9) allows branching from any CABLE ADAPTER trunking model to a PVC Mini-trunking.



ADAPTATION OF SIMON UNIVERSAL MECHANISMS

Adaptation of the trunking with SIMON universal mechanisms.



Adaptation of SIMON Universals mechanisms

Simon TRUNKING



PVC CABLE ADAPTER TRUNKING

Trunking

Accessories



- PVC/Pure white
 - Length: 2m
- The PVC Cable Adapter Trunking is supplied with 1 retainer every 0.5 metres



Cable retainer
(supplied in
trunking)



Flat angle piece



External angle
piece variable



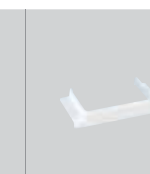
Variable internal
angle piece



End cover

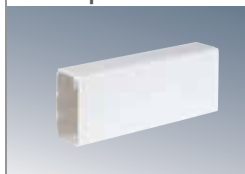


Sealing ring

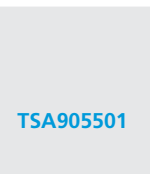


T junction

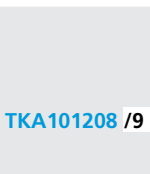
90x55 mm. 3 compartments



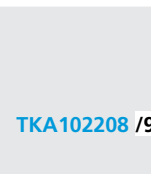
TS9055 /9



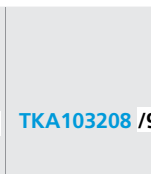
TSA905501



TKA101208 /9



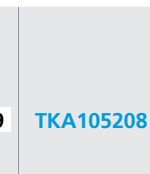
TKA102208 /9



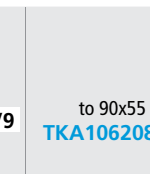
TKA103208 /9



TSA905502 /9



TKA105208 /9

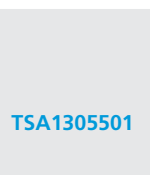


to 90x55
TKA106208 /9

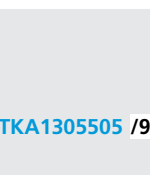
130x55 mm 4 compartments



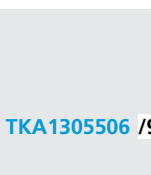
TS13055 /9



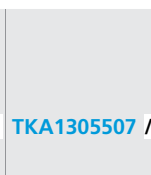
TSA1305501



TKA1305505 /9



TKA1305506 /9



TKA1305507 /9



TSA1305502 /9

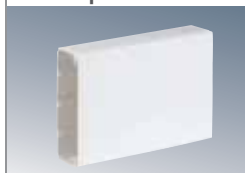


TKA1305508 /9



to 90x55
TKA106208 /9
to 130x55
TKA106210 /9

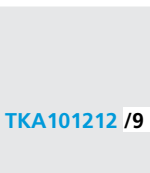
160x55 mm 4 compartments



TS16055 /9



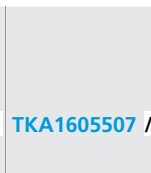
TSA1605501



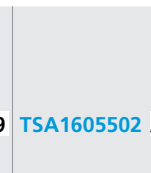
TKA101212 /9



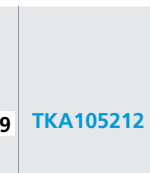
TKA1605506 /9



TKA1605507 /9



TSA1605502 /9

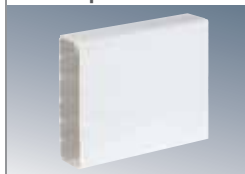


TKA105212 /9



to 90x55
TKA106208 /9
to 130x55
TKA106210 /9
to 160x55
TKA106212 /9

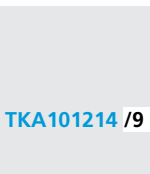
185x55 mm 6 compartments



TS18555 /9



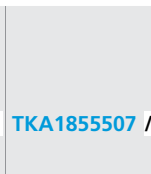
TSA1855501



TKA101214 /9



TKA1855506 /9



TKA1855507 /9



TSA1855502 /9



TKA105214 /9



to 90x55
TKA106208 /9
to 130x55
TKA106210 /9
to 160x55
TKA106212 /9

Functional accessories



TSA001
Interior divider, 55 mm
1 m section.



TSA002
Connector pin



TSA003
Cable junction

Aluminium

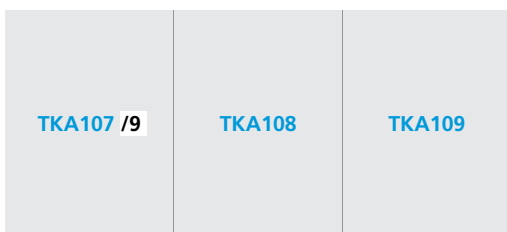
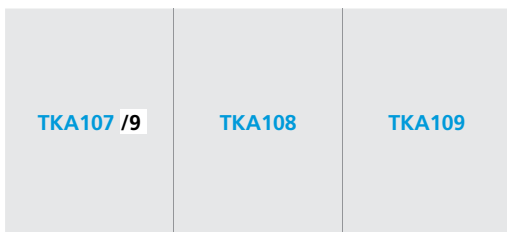
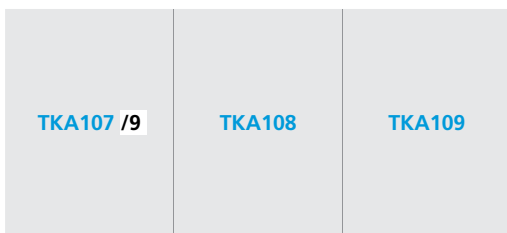
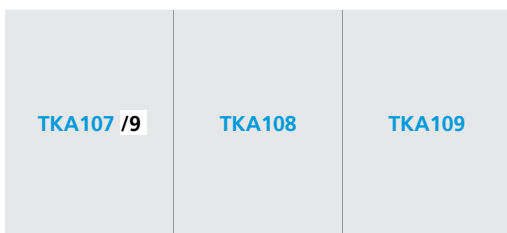
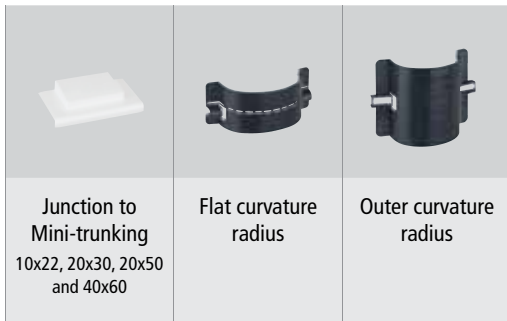
Pure white

Graphite grey

/8

/9

/14



MECHANISM ADAPTATION

Universal mechanisms Simon

Universal frame and inner frame




TKA905504 /9 90x55 mm trunking

TKA1305504 /9 130x55 mm trunking

TKA1605504 /9 160x55 mm trunking



Adaptation of SIMON UNIVERSAL mechanisms

 Technical details
See page 188

 Trunking section
See page 195



ALUMINIUM CABLE ADAPTER TRUNKING

C Specifications:

- Material: Anodised-aluminium trunking.
- Thermoplastic accessories painted in aluminium colour.
- Allows for the adaptation of 500 CIMA surface boxes and SIMON universal mechanisms.
- Trunking length: 2 metres sections.
- Protective film.
- IP protection level: 4x.
- Impact resistance: IK07, medium.
- Does not propagate flames.

Complies with:

- Directive 2006/95/EC.
- Low voltage electrotechnical regulations, Royal Decree 842/2002
- Harmonised standard UNE-EN-50.085.
- Regulations for Common Telecommunication Infrastructures (RICT) RD 401/2003.
- ROHS directive.
- EC-marked product.

✓ Adaptation of universal mechanisms

Universal mechanisms are mounted using the linkable universal mechanism adapter (Ref. TSA007).



✓ Integration of 500 CIMA surface boxes

Perfect adaptation of the **500 CIMA** surface boxes with any Cable Adapter Trunking.



Pure white Aluminium Graphite grey

/030

/8 /033

/038

ALUMINIUM TRUNKING FOR UNIVERSAL MECHANISMS

Trunking	Accessories							
<ul style="list-style-type: none"> Anodised aluminium with 1 compartment Length: 2m 	Flat angle piece (Painted aluminium)	Variable external angle piece (Painted aluminium)	Variable internal angle piece (Painted aluminium)	End cover (Painted aluminium)	Splice plate (Painted aluminium)	T junction (Painted aluminium)	Flat radius of curvature	Outer radius of curvature

90x55 mm

	TKA101208 /8	TKA102208 /8	TKA103208 /8	TKA905502 /8	TKA105208 /8	to 90x55 TKA106208 /8	TKA108	TKA109
TS9055 /8								

130x55 mm.

	TKA1305505 /8	TKA1305506 /8	TKA1305507 /8	TKA1305502 /8	TKA1305508 /8	to 90x55 TKA106208 /8 to 130x55 TKA106210 /8	TKA108	TKA109
TS13055 /8								

Functional accessories



TSA001
Interior divider (55 mm)
1 m section
Supplied in 1 metre sections



TSA002
Connector pin



TKA904
Cable with faston connector
for 120 mm earth connection

Mechanism adaptation accessories



TSA007
Linkable adapter for
universal mechanisms



K45 CABLOMAX TRUNKING

C Specifications:

- Material: Trunking with thermoplastic base.
- Covers available in PVC or anodised aluminium.
- White and painted-aluminium thermoplastic accessories
- Direct integration of Simon K45 mechanisms.
- Trunking length: 2 metres sections.
- Protective film.
- Does not propagate flames.

Complies with:

- Directive 2006/95/EC.
- Low voltage electrotechnical regulations, Royal Decree 842/2002
- Harmonised standard UNE-EN-50.085.
- Regulations for Common Telecommunication Infrastructures (RICT) RD 401/2003.
- ROHS directive.
- EC-marked product.

✓ Elegant and functional design

This trunking was especially designed with the highest performance levels for integration in any space such as **executive offices, meeting rooms and conference halls** or **offices, commercial premises, waiting rooms, libraries, testing laboratories**, etc.

The **K45 CABLOMAX trunking is available with PVC or aluminium covers**, so you can choose the best finish according to the interior decoration needs of the room.



Executive offices



Offices

✓ Installation safety



Separation of electrical and VDM circuits

- The cables circulate through the upper and lower compartments and the central compartment is reserved for housing the mechanisms. This ensures **correct separation of electrical and telecommunications circuits**.
- The aluminium covers have an earth connection guide.



Optimum installation

FASTER AND EASIER

CABLMAX trunking for direct snap-fit K45 mechanisms

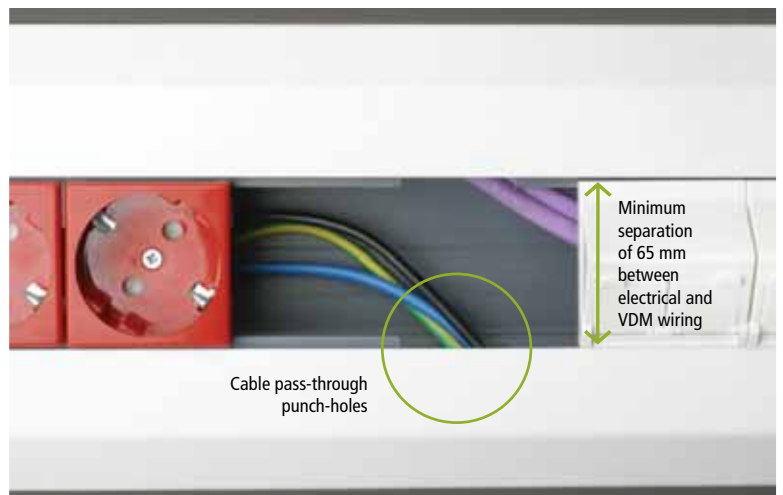
Enables the assembly of all the mechanisms in the K45 range, without needing any accessories, which affords **great savings in assembly time** and therefore **reduces installation costs**.



DESIGNED FOR MAXIMUM FUNCTIONALITY

The cable trays included in the base of the trunking act like a wall separating the circuits and retaining the cables.

The pre-punched holes every 75 cm in the fixed inner compartments allow the mechanisms to be supplied with power without having to mechanise the trunking.



INCREASED FLEXIBILITY

Variable ABS white or anodised aluminium corner pieces from 65° to 95°.

Allow better adaptation of the trunking to the unevenness of a wall.






PVC CABLOMAX FOR K45 MECHANISMS

Trunking	Accessories						
							
<ul style="list-style-type: none"> • 3 compartments • PVC base and covers • Length: 2 m 	Flat angle piece upward 90°	Flat angle piece downward 90°	External angle piece variable	Variable internal angle piece	End cover	Sealing ring	T junction

130x55 mm.

	TKA011210 /9	TKA021210 /9	TKA002210 /9	TKA003210 /9	TKA004210 /9	TKA005210 /9	TKA0062 /9
TK02103 /9							

170x55 mm

	TKA011213 /9	TKA021213 /9	TKA002213 /9	TKA003213 /9	TKA004213 /9	TKA005213 /9	TKA0062 /9
TK02133 /9							

210x55 mm

	TKA011216 /9	TKA021216 /9	TKA002216 /9	TKA003216 /9	TKA004216 /9	TKA005216 /9	—
TK02163 /9							

K45 Installation accessories



K11../..
Electrical sockets
Quick terminal connection
[+ information page 74](#)



K106A../..
Protection
K45 circuit-breaker
[+ information page 76](#)



KF04B../..
Protection
DIN circuit-breaker
[+ information page 76](#)



K302 **K112../..**
Switches
K45 switch
[+ information page 73](#)



KB95U../..
VD plates
VD plate with connectors
[+ information page 78](#)



K100B../..
Multimedia Plates
1 VGA connector plate
[+ information page 82](#)



K305A../..
Quick connection plates
3 pole 1 connector plate
[+ information page 86](#)

Anodised aluminium Pure white









/8

/9

ALUMINIUM CABLOMAX FOR K45 MECHANISMS

Trunking


Accessories

							
<ul style="list-style-type: none"> • 3 compartments • PVC socket and anodised aluminium covers • Length: 2 m 	Flat angle piece upward 90°	Flat angle piece downward 90°	External angle piece variable (Painted aluminium)	Variable internal angle piece (Painted aluminium)	End cover (Painted aluminium)	Sealing ring (Painted aluminium)	T junction

	TKA011110 /8	TKA021110 /8	TKA002210 /8	TKA003210 /8	TKA004210 /8	TKA005210 /8	TKA0061 /8
TK01103 /8							

	TKA011113 /8	TKA021113 /8	TKA002213 /8	TKA003213 /8	TKA004213 /8	TKA005213 /8	TKA0061 /8
TK01133 /8							

	TKA011216 /8	TKA021216 /8	TKA002216 /8	TKA003216 /8	TKA004216 /8	TKA005216 /8	—
TK01163 /8							

Spare Parts Aluminium K45 CABLOMAX trunking	 RTT002 /8 Front cover for aluminium Cablomag trunking. 2 m. Anodised aluminium
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 Technical details
See page 194

 Trunking section
See page 195



K45 PVC AND ALUMINIUM TRUNKING

C Specifications:

- Material: PVC and anodised-aluminium trunking.
- White and painted-aluminium thermoplastic accessories (except 70x50).
- Direct integration of Simon K45 mechanisms.
- Trunking length: 2 metres sections.
- Protective film.
- IP protection level: 4x.
- Impact resistance: IK07, medium.
- Does not propagate flames.

Complies with:

- Directive 2006/95/EC.
- Low voltage electrotechnical regulations, Royal Decree 842/2002
- Harmonised standard UNE-EN-50.085.
- Regulations for Common Telecommunication Infrastructures (RICT) RD 401/2003.
- RoHS directive.
- EC-marked product.

✓ Quick and easy installation

K45 direct snap-fit mechanisms

Enables the assembly of all the mechanisms in the K45 range **without needing any accessories**, which affords great savings in assembly time and therefore reduces installation costs.



✓ Installation safety



Separation of electrical and VDM circuits

The **interior separations**, which are pressure-fitted without using tools, and the **double or triple fixed compartmentalisation** of the trunkings enables insulation and improved organisation of the electrical and telecommunications cables.



✓ Increased flexibility

Variable angle pieces in pure white or aluminium. Allow better adaptation of the trunking to the unevenness of a wall.





T-PIECE EARTH JUNCTIONS

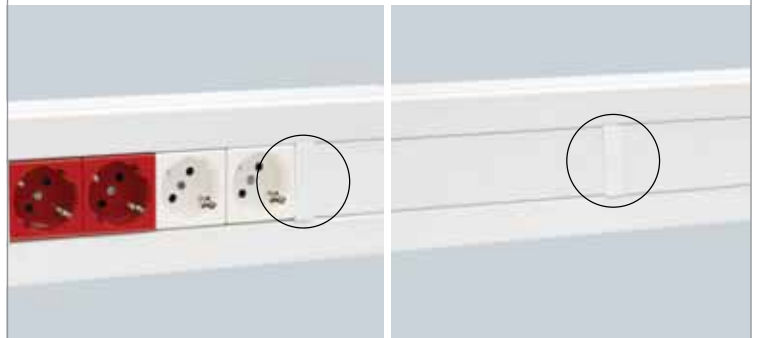
Maintain the IP4X level in the installation and hide the trunking cuts in the T-piece earth connections from any size of trunking to trunking with a width of 90, 130 or 160 mm.



SPLICE JOINT TRIM

By placing the splice joint trim on either side of the assembly of electrical sockets or any plate in K45 format, **increased rigidity can be achieved for the fastening of mechanisms and plates** to the trunking.

This accessory also acts as a trim for the cover connections.



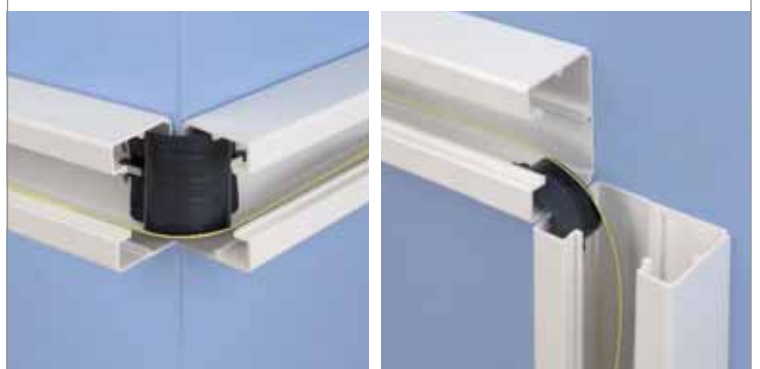
JUNCTION TO MINI-TRUNKING AND PVC CABLE ADAPTER TRUNKING

Simply by cutting the piece along the perforated line, it adapts to the desired mini-trunking size.



OUTER RADIUS OF CURVATURE

They protect the telecommunications cables and afford them an optimum curvature radius for each type of corner piece.




FLAT RADIUS OF CURVATURE




PVC TRUNKING FOR K45 MECHANISMS

Trunking	Accessories			
 <ul style="list-style-type: none"> PVC/Pure white Length: 2 m 	 <p>Flat angle piece</p>	 <p>Variable external angle piece</p>	 <p>Variable internal angle piece</p>	 <p>End cover</p>


90x55 mm 1 compartment

 <p>The 90x55 trunking is supplied with 1 stiffener every 0.5 m</p> <p>TK12081 /9</p>	TKA101208 /9	TKA102208 /9	TKA103208 /9	TKA905502 /9
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130x55 mm 2 compartments

 <p>TK12102 /9</p>	TKA1305505 /9	TKA1305506 /9	TKA1305507 /9	TKA1305502 /9
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160x55 mm 2 compartments

 <p>TK12122 /9</p>	TKA101212 /9	TKA1605506 /9	TKA1605507 /9	TKA1605502 /9
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185x55 mm 3 compartments

 <p>TK12143 /9</p>	TKA101214 /9	TKA1855506 /9	TKA1855507 /9	TKA1855502 /9
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Functional accessories



TKA901 /9
K45 Trunking splice joint trim
Provides rigidity to the mechanism fastening. Cover splice joint trim.
Supplied in 90x55-mm trunking



TKA902
PVC divider
(1000x45 mm)
Supplied in 1 metre sections.



TKA903
Section connecting pin
Connects parts of sections and helps to level and provide a better finish.

Spare Parts PVC K45 trunking



RTT001 /9
Front cover for K45 PVC trunking. 2 m.





				
Sealing ring	T junction	Junction to mini-trunking 10x22, 20x30, 20x50 and 40x60	Flat radius of curvature	Outer radius of curvature

TKA105208 /9	to 90x55 TKA106208 /9	TKA107 /9	TKA108	TKA109
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TKA1305508 /9	to 90x55 TKA106208 /9 to 130x55 TKA106210 /9	TKA107 /9	TKA108	TKA109
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TKA105212 /9	to 90x55 TKA106208 /9 to 130x55 TKA106210 /9 to 160x55 TKA106212 /9	TKA107 /9	TKA108	TKA109
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TKA105214 /9	to 90x55 TKA106208 /9 to 130x55 TKA106210 /9 to 160x55 TKA106212 /9	TKA107 /9	TKA108	TKA109
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K45 Installation accessories				
	KS11/.. Electrical sockets Quick terminal connection <i>+ information page 74</i>	K106A/.. Protection K45 circuit-breaker <i>+ information page 76</i>	KB95U/.. VD plates K45 VD plate with connectors <i>+ information page 78</i>	K100B/.. Multimedia Plates K45 Plate 1 VGA connector <i>+ information page 82</i>



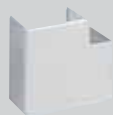
ALUMINIUM TRUNKING FOR K45 MECHANISMS

Trunking

Accessories



- Anodised aluminium
- Length: 2 m



Flat angle piece
(Painted aluminium)



Variable outer angle piece
(Painted aluminium)

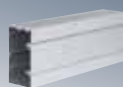


Variable inner angle piece
(Painted aluminium)



End cover
(Painted aluminium)

90x55 mm
1 compartment



TK11081 /8

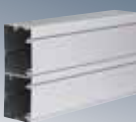
TKA101208 /8

TKA102208 /8

TKA103208 /8

TKA905502 /8

130x55 mm
2 compartments



TK11102 /8

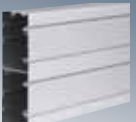
TKA10305505 /8

TKA1305506 /8

TKA1305507 /8

TKA1305502 /8

160x55 mm
2 compartments



TK11122 /8

TKA101212 /8

TKA1605506 /8

TKA1605507 /8

TKA1605502 /8

185x55 mm
3 compartments



TK11143 /8

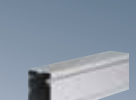
TKA101214 /8

TKA1855506 /8

TKA1855507 /8

TKA1855502 /8

70x50 mm
1 compartment



TK11071 /8 *

Accessories for 70x50 mm stainless-steel trunking



Universal Accessory
(flat corner piece and junction)

TKA101307 /8



Fixed external angle piece

TKA102307 /8



Fixed internal angle piece

TKA103307 /8



End cover
(Stainless steel)

TKA104307 /8

*The 70x50 mm trunking model does not allow the assembly of multi-sockets ref. K11/..., K22/..., KS11/... and KS22/...

Functional accessories



TKA902
PVC divider (1000x45 mm)
Supplied in 1 metre sections.



TKA903
1 U section joint pin
Connects parts of sections and helps to level and provide a better finish.



TKA904
Cable with faston connector for 120 mm earth connection
For earthing sections

Anodised aluminium Pale grey

/8 /24

Splice plate (Painted aluminium)	T junction (Painted aluminium)	Flat radius of curvature	Outer radius of curvature

TKA105208 /8	to 90x55 TKA106208 /8	TKA108	TKA109
--------------	--------------------------	--------	--------

TKA1305508 /8	to 90x55 TKA106208 /8 to 130x55 TKA106210 /8	TKA108	TKA109
---------------	---	--------	--------

TKA105212 /8	to 90x55 TKA106208 /8 to 130x55 TKA106210 /8 to 160x55 TKA106212 /8	TKA108	TKA109
--------------	--	--------	--------

TKA105214 /8	to 90x55 TKA106208 /8 to 130x55 TKA106210 /8 to 160x55 TKA106212 /8	TKA108	TKA109
--------------	--	--------	--------

		Spare Parts Aluminium K45 Trunking		
End cover (ABS grey finish)	Splice plate		RTT001 /8 Aluminium K45 trunking cover 2 m. Anodised aluminium	RTP002 /8 Aluminium K45 trunking section 70x50 mm Anodised aluminium
TKA104207 /24	TKA105307 /8			

K45 Installation accessories				
	K11/.. Electrical sockets Quick terminal connection + information page 74	K106A/.. Protection K45 circuit-breaker + information page 76	KB95U/.. VD plates K45 VD plate with connectors + information page 78	K100B/.. Multimedia Plates K45 Plate 1 VGA connector + information page 82

Technical details
[See page 186](#)

Trunking section
[See page 195](#)



DCS SYSTEM

C Specifications:

- Material: Anodised-aluminium trunking.
- Stainless-steel plinth accessories and aluminium end covers.
- Trunking length: 2 metres sections (Monoblock 2.75 m).
- IP protection level: 4x.
- Impact resistance: IK08 – IK10, high – very high (according to ref.)
- Flame retardant.
- With electrical continuity.

Complies with:

- Directive 2006/95/EC.
- Low voltage electrotechnical regulations, Royal Decree 842/2002
- Harmonised standard UNE-EN-50.085.
- ROHS directive.
- EC-marked product.

✓ The floor trunking solution

Based on a peripheral (perimeter trunking) or central installation (Mini-towers or Mini-columns), the **DCS (Surface Distribution of Cables)** system makes it possible to supply power, voice and data from any point in the room to the workstations.

Available in 5 models and 2 versions: section and cover (accessible) and monoblock (inaccessible).



Offices



Business premises



Car parks



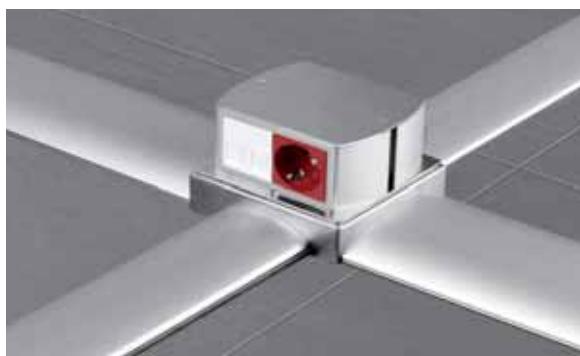
Industrial Buildings



Warehouses



Mechanical workshops



✓ Strength and safety

High resistance

Manufactured from aluminium, it offers maximum durability against impacts, blows, foot traffic and other abuse. Capable of withstanding the weight of passing vehicles (according to tonnage/model).

Safety

Once installed, the trunking is fully closed and inaccessible, thereby providing maximum security for the installation.

✓ Integration in the system

Adaptation to Mini-trunking 65x20 mm and Aluminium Trunking K45 70x50 mm

The junction accessory allows the distribution of the cabling in the floor trunking (85x18 mm and 130x18 mm models) to the trunking installed on the wall.



+ information for aluminium K45 trunking on page 112
+ information for aluminium Mini-trunking on page 96

Adaptation of the DCS System to K45 Mini-towers and Mini-columns

The distribution base allow adaptation of K45 Mini-tower and Mini-columns for final connections.



+ information on page 66 and 68

Distribution base

With various pre-punched holes for insertion of floor trunking 85x18 mm and 130x18 mm.



Anodised aluminium

/8

ALUMINIUM TRUNKING FOR FLOOR INSTALLATION

Trunking

85x18 mm trunking + cover	85x18 mm monoblock closed trunking	130x18 mm trunking + cover	130x18 mm monoblock closed trunking	240x34 mm trunking + cover
2 m length	2.75 m length	2 m length	2.75 m length	2 m length
TF11172 /8	TF21172 /8	TF11183 /8	TF21183 /8	TF11193 /8

Accessories - Anodised aluminium end cover

TFA904417 /8	TFA904418 /8	TFA904419 /8

Accessories - Junction from the DCS trunking to perimeter trunking

	From 85x18 mm DCS trunking	From 130x18 mm DCS trunking
To 65x20 mm aluminium Mini-trunking	TFA965417 /8	TFA965418 /8
To aluminium K45 trunking 70x50 mm	-	TFA970418 /8

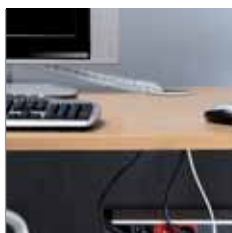
Bases for connection to the 85x18 mm and 130x18 mm DCS floor trunking

	KTA804 /8	KTA813 /8	KTA822 /8	KTA8229 /8	KTA831 /8
No. of pre-punched holes per trunking of 130x18 mm	0	1	2 (for trunking of 130x18 mm at 180°)	2 (for a 130x18 mm trunking at 90°)	3
No. of pre-punched holes per trunking of 85x18 mm	4	3	2	2	1

Accessory for base		
	KTA904 /8 Top cover for distribution base	ALKA02 /8 Auxiliary base cover for adapting K45 Mini-columns

Technical details
See page 193

Trunking section
See page 195



CABLE ORGANISER

C Specifications:

- Material: Polyethylene.
- Length: 2 metres sections and 20 m reels.
- Cable applicator.

Complies with:

- Directive 2006/95/EC.
- Low voltage electrotechnical regulations, Royal Decree 842/2002
- ROHS directive.

✓ Cable management

The cable organiser allows you to easily and quickly transform a **bundle of cables into a single cable**. Specially designed to blend in with the interior decoration in offices or business premises, it makes the installation **look clean and organised**, and also increases **workplace safety and hygiene**.



Without cable organiser



With cable organiser

✓ Flexible, rugged materials

It consists of an open, **translucent** tube with a **diameter of 25 mm** made from **polyethylene**, a material that is very flexible yet also sturdy, which can easily return to its initial position and protect the cables from possible knocks or rubbing in electrical and telecom installations.



Easy-to-use applicator

Organisation at
your workplace

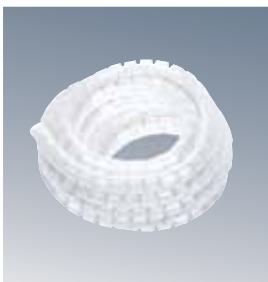
In three easy steps



Ø 25 mm Cable organiser



TC250 /0 Ø 25 mm, 2 m long cable organiser + cable applicator



TC251 /0 Transparent cable organiser Ø 25 mm Reels of 20 m



TCA2501 Cable applicator for 25 mm



19" Wall rack cabinets



Electroblock



Panels



Voice and Data connectors



Voice and Data connectors



Voice and Data cable



Voice and Data patch cords



Fiber Optic

Simon structured cabling

Distribution	122 >	19" Wall rack cabinets
Power supply	124 >	Electroblock
VDM	126 >	Panels
	128 >	Voice and Data connectors
	132 >	Voice and Data cable
	134 >	Voice and Data patch cords
	135 >	Voice and Data tools
	136 >	Fiber Optic



Quality guarantee
The SIMON CONNECT cabling system is certified by independent external laboratories.



SIMON CONNECT complies with the European RoHS Directive on thermoplastic, electronic and metal materials.



Self-extinguishing, halogen-free materials:
A guarantee of safety for persons, equipment and information.



Solutions for Audio, Video and Multimedia connection for projectors, audiovisual screens, etc.



STRUCTURED CABLING SYSTEM

The Structured Cabling System is a **telecommunications infrastructure** that provides a building with **flexible configuration** whilst also allowing **integration of new technologies** and guaranteeing **support for future transmission speeds**.

Fully integrated services **allow any type of equipment to be connected** (telephone, fax, computer, printer or scanner)

in any part of the building and its location to be changed with a simple configuration change **without the need for reinstallation**.

Simon Structured Cabling System is sufficiently **flexible** to cover all types of installations, from SMEs (2 or 3 workstations) to large corporate buildings (1000 workstations).

Structure of a cabling installation



✓ Voice, Data and Multimedia

Simon offers comprehensive Voice, Data and Multimedia solutions with a wide range of connectors and panels (RJ45, SubD15, RCA, S-Video, USB, Mini-Jack, etc.).



✓ Quality guaranty

The Simon Cabling System is certified by independent external laboratories.



✓ Transmission category

The category of a structured cabling network defines the transmission speeds and the protocols that they support.

CATEGORY 6TO

Provides a 500 MHz bandwidth suitable for 10GBASE-T networks

CATEGORY 6

Provides a 250 MHz bandwidth.

CATEGORY 5e

With a 100 MHz bandwidth, this is the recommended category for **expansion and renovation** of buildings.

✓ Shielding

UTP: Unshielded Twisted Pair

Formed of the cable, panel and connectors without electromagnetic protection. The **commonest** installation for **offices**.



FTP: Foiled twisted pair

The cable, panel and connectors have a metallic shield that protects the transmissions from electromagnetic interference. This installation is recommended for **critical environments** such as **hospitals, laboratories, police stations** or any other environment where safety is particularly important.



— Horizontal cabling

The cable infrastructure that distributes the telecommunications signals throughout the floor, comprising the **distribution** point, **transmission** and the **workstation**.



Distribution

The distribution cabinet concentrates the Voice and Data signals and distributes them throughout the floor. It contains patch panels, switching patch cords, electronic equipment such as Hubs or Switches and ELECTROBLOCK terminal arrays for powering them.



Transmission

Using 4 pair twisted cables, the signal is led around the perimeter from the distribution cabinet to the work station in trunking under a raised floor or in the ceiling.

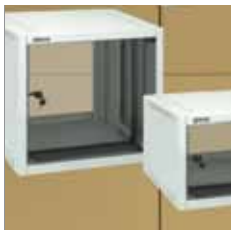
Workstation

The final covering integrates the electric power supply and Voice and Data signals to provide service to the workstation. The Terminal Equipment (computer, telephone or fax) is connected using a Voice and Data patch cord.



— Vertical cabling

It is the cable infrastructure that connects the floors of a building. It allows the services of the telecommunications operator to be supplied from the access point to each floor.

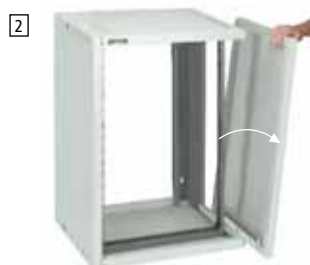


19" WALL RACK CABINETS

The new 19" rack cabinets allow the distribution of all necessary telecommunications services (Voice, Data and Multimedia) for the tertiary sector. They are designed to house patch panels, server equipment and network transmission equipment.

Removable side panels

Removable side panels allowing maximum access to the connections during the installation and maintenance process. Easy removal, even with reduced lateral space.



Quick-fixing lock anchor points



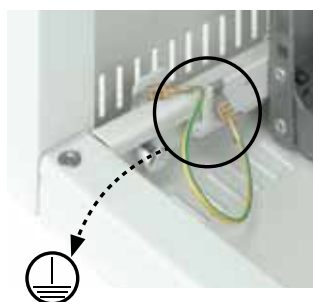
Easy to install

Portable 19" rack according to IEC-60,297-2



Earth connection

The cabinet includes all connection markings and accessories required to earth the cabinet according to standard UNE-EN-62.208 and to perform a safe installation.



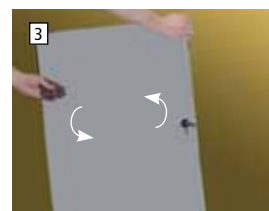
Entrance for trunking or grille

Both the top and bottom covers of the cabinet have two pre-punched holes providing access to the cables through the metal grille or trunking.



Interchangeable door

If the installation location does not allow the door to open completely, the opening direction can be changed quickly and easily.



19" RACK CABINETS



RKA1906A4F	Installations* of up to 12 posts, Height: 6 U, 375 mm
RKA1909A4F	Installations* of 12 - 24 posts, Height: 9 U, 525 mm
RKA1912A4F	Installations* of 24 - 36 posts, Height: 12 U, 670 mm
RKA1915A4F	Installations* of 36 - 50 posts, Height: 15 U, 820 mm

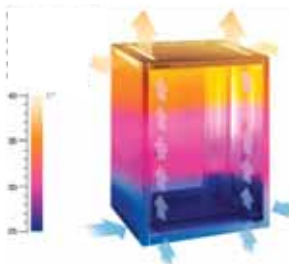
*Number of posts recommended according to applications and equipment

Wall fixing with level adjustment



Fixing holes forming mounting holes that allow the cabinet to be levelled when installing it on the wall.

Ventilation



Ventilation holes designed with **the most advanced simulation technologies** for optimum discharge of the excess convection temperature.

Fewer items in stock

The four models are available with a single depth of 45 cm, which reduces the number of items and the stock.



QUALITY DETAILS



The frame structure is made from sheet metal with a thickness of 2 mm, ensuring a highly sturdy assembly.

Maximum weight: 50 kg



High-quality painting with RAL 7035 finish with a thickness of 80 to 120 microns, guaranteeing a long service life.



Front door of **tempered glass** providing maximum safety and avoiding accidental cuts in the event of breakage. **Key locking** prevents unauthorised access and contributes to compliance with standard UNE-EN-62.208.



Protective packaging with corner reinforcements to **protect the cabinet** during transport and handling at the warehouse and on-site.

Configuration example



Quantity	Ref./Finish	Description
1	RKA1906A4F	19" rack cabinet with a height of 6 U and a depth of 45 cm. Up to 12 stations
2	CP624U	19" panel with a height of 1 U, 24 RJ45 Cat 6. UTP ports
24	CL60U	0.5 m Cat. 6 UTP patch cords
1	F1118/14	19" Electroblock with 8 Schuko sockets with cable and switch, graphite



ELECTROBLOCK

QUALITY MATERIALS

ELECTROBLOCK is manufactured with a high-quality aluminium section prepared to support the high temperatures of server rack cabinets.

✓ A finish for every application

Red version available to differentiate power lines.



✓ Safety at the workstation

With models that incorporate circuit-breakers and differential switches to protect the installation, data and people.



✓ Optional rotation and vertical fastening

The fastening flaps enable various installation positions to optimise the space inside the cabinet.



✓ With all necessary materials

ELECTROBLOCK is supplied with cables, an instruction manual and mounts for securing to the inner frame.



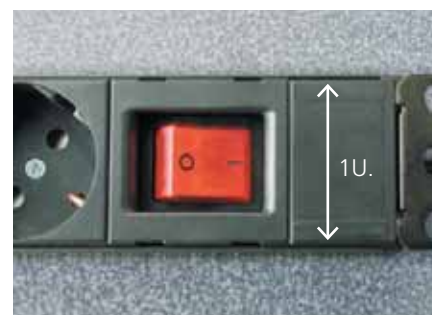
✓ Connection for network equipment

ELECTROBLOCK supplies power to hubs, switches, repeaters and routers inside the rack cabinet.



✓ 1 U. high

To make use of the space inside the cabinet and comply with the IEC 60297 standard, the ELECTROBLOCK is 1 unit high (44.45 mm).



ELECTROBLOCK WITH CABLE (2m.)
Without switch

F1105 /14	5 Schuko sockets	F2105 /6 /14	5 French sockets
F1106 /6 /14	6 Schuko sockets	F2106 /14	6 French sockets
F1108 /14	8 Schuko sockets	F2108 /14	8 French sockets
F1109 /14	9 Schuko sockets	F2109 /6 /14	9 French sockets

With 16 A Bipolar switch

F1115 /14	5 Schuko sockets	F2115 /14	5 French sockets
F1116 /14	6 Schuko sockets	F2116 /14	6 French sockets
F1118 /14	8 Schuko sockets	F2118 /6 /14	8 French sockets

With 10 A Bipolar circuit-breaker, Curve C

F1126 /14	6 Schuko sockets	F2106 /14	6 French sockets
------------------	------------------	------------------	------------------

With 30 mA differential

F1136 /14	6 Schuko sockets	F2136 /14	6 French sockets
------------------	------------------	------------------	------------------

ELECTROBLOCK WITHOUT CABLE
Without switch

F1005 /14	5 Schuko sockets	F2005 /14	5 French sockets
F1006 /14	6 Schuko sockets	F2006 /6 /14	6 French sockets
F1008 /14	8 Schuko sockets	F2008 /6 /14	8 French sockets
F1009 /14	9 Schuko sockets	F2009 /14	9 French sockets

With 16 A Bipolar switch

F1015 /14	5 Schuko sockets	F2015 /14	5 French sockets
F1016 /14	6 Schuko sockets	F2016 /14	6 French sockets
F1018 /14	8 Schuko sockets	F2018 /14	8 French sockets

With 10 A Bipolar circuit-breaker, Curve C

F1026 /14	6 Schuko sockets	F2026 /14	6 French sockets
------------------	------------------	------------------	------------------

With 30 mA differential

F1036 /14	6 Schuko sockets	F2036 /14	6 French sockets
------------------	------------------	------------------	------------------

For other configurations and finishes, please check with our commercial network or your usual distributor



PANELS



Quality integrated panels

Integrated panels offer easy installation for cable crimping.
They include rings for fastening the cables with flanges.



With all necessary materials

The panel includes: manual, flanges and fastening screws.
The FTP version includes the protection, earth connection cable and point.



Modular panels UTP/FTP

Offer flexibility for current and future connection requirements
Ease of installation and configuration.



Cable organiser

Facilitates cable installation. Provides excellent assembly finish. Adjusts to 19" rack cabinets.



Sequence for connecting voice and data panel to the cable

<p>1</p> <p>Prepare the cable by untwisting the pairs as far as possible Follow the colour code shown in the panel</p>	<p>2</p> <p>Insert using tool CH100</p>	<p>3</p> <p>During the operation, the tool cuts the cable</p>	<p>4</p> <p>Fasten the cable to the panel or to the frame of the cabinet</p>
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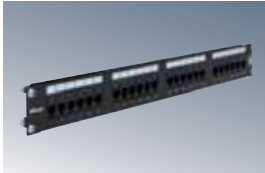
Further information about Voice and Data Tools can be found on page 135

INTEGRATED PATCH PANELS



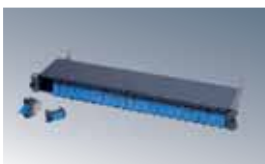
Panel with 24 ports and 1 U. high for assembly with 19" rack cabinets.
IDC 110 contacts for insertion with tool (ref. CH100)

- CP624F** Cat. 6 FTP
- CP524F** Cat. 5e FTP



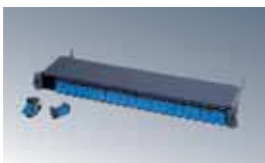
- CP624U** Cat. 6 UTP
- CP524U** Cat. 5e UTP

MODULAR PATCH PANELS



Panel with 24 ports and 1 U. high for assembly with 19" rack cabinets.
IDC 110 contacts for insertion with tool (ref. CH100)

- CP56A24F*** Modular panel FTP 24 ports (Cat. 6A)
- CP5624F*** Modular panel FTP 24 ports (Cat. 5e / Cat. 6)



- CP5624U*** Modular panel UTP 24 ports (Cat. 5e / Cat. 6)



CABLE ORGANISER



- CP0001*** Cable organiser for 29" rack cabinets.



* Next launch. Check availability.

Insertion tool



CH100
IDC110 cable connection tool for voice and data connectors and panels
Insertion and cutting sheet included.

Choice of normal or shielded, modular panel or integrated panel

UTP Panel
Installable in environments with low electromagnetic interference (offices).



Shielded FTP Panel
Recommended for environments where security is important or where there is an increased level of electromagnetic interference (hospitals, laboratories, police stations, etc.).



VOICE AND DATA CONNECTORS



✓ Cat. 6A FTP connector

The new category 6A connector is a component of the VDM system designed for 10-Gigabit Ethernet applications on twisted pairs.

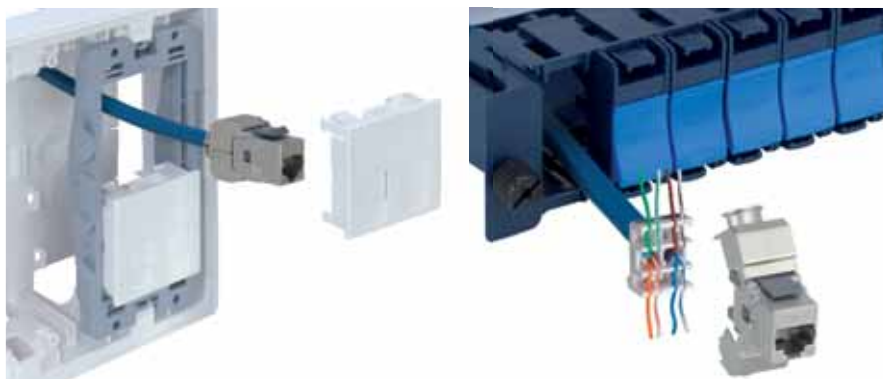


Specifications:

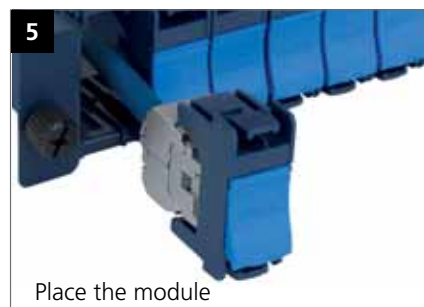
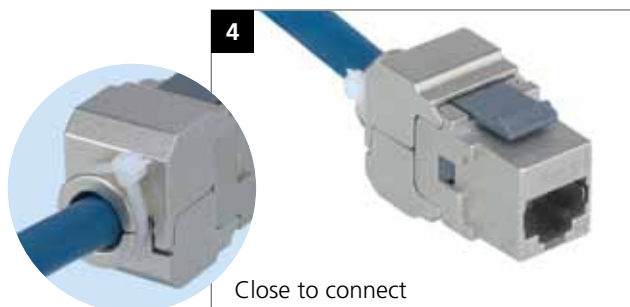
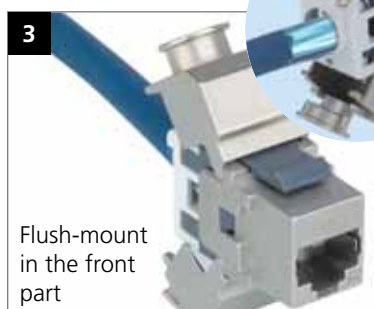
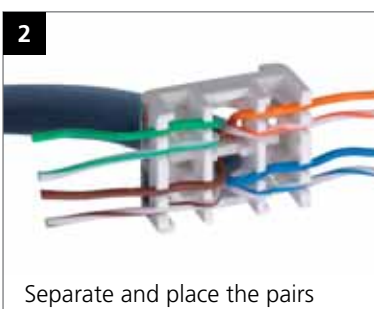
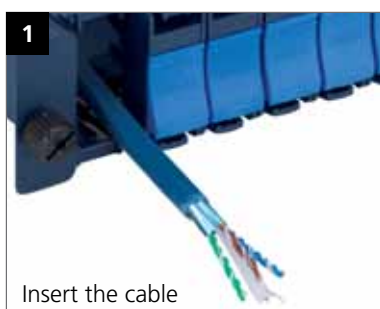
- Keystone-type RJ45 toolless connection socket.
- 568 A/B colour code localisation for better assignment of conductors.
- Contacts that accept cables from 24 to 22AWG.
- Manufactured in just two pieces, has an integrated shielding sheath, considerably reducing installation time.
- Suitable for connecting a shielded cable, easy to install in construction.

✓ One connector for the entire system

Adaptable to different supports: Distribution panels, plates and enclosures in the 500 CIMA line.



✓ New Cat. 6A VDM system



Modular distribution panels for categories 5e, 6 and 6A FTP

They allow optimised assembly and better maintenance

The panels in the VCM range adapt easily to 19" environments with high density in RJ-45 (24 ports in 1U).



Has a port location zone and a panel identification zone.

Specifications:

- Blue metal panel.
- Modular patch panel in 24-port FTP version.
- Integrated cable guide.
- Independent removal/insertion of modules for connector installation.
- Dust protector window included for maximum connector protection.
- Easy and quick fixation during first installation and maintenance.
- Supplied without connectors.

Category 6A FTP cable

Voice, data and multimedia transmission cable for applications that require high bandwidth (up to 10-Gigabit Ethernet). This cable is manufactured following international standards: ISO IEC 11801, ANSI/TIA-568 C.2

They offer exceptional results and great ease for connection.

Specifications:

- Category 6A F/UTP cable
- Available in roll format (500m)
- Covered in LSZH (halogen-free)

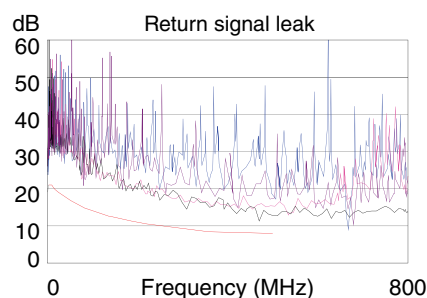
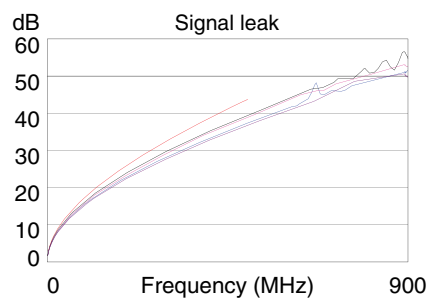


Standards

The characteristics of the cat. 6A connector guarantee compliance with specifications for category 6A/Class Ea systems extended to 500Mhz.

Fire standards:

- Does not spread flames.
 - Halogen-free
 - Low smoke emission and density
- | | |
|------------------|-------------|
| ISO / IEC 11801 | IEC 60332-1 |
| IEC 61156 | IEC 60754-2 |
| ANSI/TIA-568 C.2 | IEC 61034 |
| EN 50173 | |



Simon STRUCTURED CABLING

✓ Slim-Line Connectors

The Slim-Line design of the SIMON connectors allows maximum connection density.

Minimum width connectors



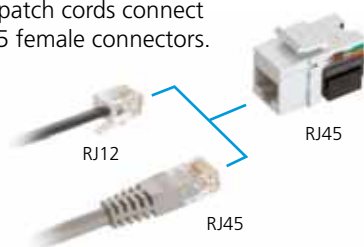
✓ Shielded around 360°

SIMON FTP connectors offer complete shielding thanks to the metallic shield that protects communications from external interference.



✓ 1 connector for several types of patch cords

The RJ11 and RJ12 patch cords connect perfectly to the RJ45 female connectors.



✓ Individual packaging

Each connector comes in an individual package with **easy-opening**.



✓ Allow telephone and computer connection (Voice and Data)

To connect the telephone, simply wire the Blue and White-Blue pair.



✓ Sequence to connect the RJ45 female connector to the cable

<p>1</p> <p>Prepare the cable by untwisting the pairs as far as possible</p>	<p>2</p> <p>Insert using tool CH100</p>	<p>3</p> <p>Click!</p> <p>During the operation, the tool cuts the cable</p>	<p>4</p> <p>Put on the protective cover</p>
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See connection diagram on page 126

Further information about Voice and Data tools can be found on page 135

RJ45 CONNECTORS



RJ45 UTP and FTP female connector with IDC 110 contacts for insertion with tool (ref. CH100).
Assembly on SIMON Voice and Data Plates (Plates number 67)

CJ6A45F*	Cat. 6A FTP
CJ645F	Cat. 6 FTP
CJ545F	Cat. 5e FTP



CJ645U	Cat. 6 UTP
CJ545U	Cat. 5e UTP

Insertion tool

Further information about Voice and Data Tools can be found on page 135



CH100

IDC110 cable connection tool for **Voice and Data Connectors and Panels**.
Insertion and cutting sheet included.

Voice and Data plates with SIMON connectors included



500 CIMA Voice and Data plates on page 42



K45 Voice and Data plates on page 78

Install them on the SIMON series

The connectors are fully compatible with the SIMON miscellaneous hardware series.

* See references of items on pages 17 - 193 - 69 - 99 from Simon General Catalogue 2010/2011

	For 1 connector		For 2 connectors	
	Angled	Flat	Angled	Flat
Simon 27*	27081-35 + 1 75001-39	27087-35	27086-35 + 2 75001-39	27486-35
Simon 73 Loft*	73085-60	-	73086-60 + 2 75001-39	-
Simon 75*	75578-30 + 1 75001-39	75585-60	75579-30 + 2 75001-39	75589-60
Simon 82*	82578-30 + 1 75001-39	82005-30	82579-30 + 2 75001-39	82006-30

The double angled plates do not fit FTP connectors.

* Next launch. Check availability.

Technical details
See page 200



VOICE AND DATA CABLE



✓ Cable outlet with retainer

Prevents the cable from falling inwards.



✓ Easy identification

The marking of the pairs prevents identification errors.







Sheath colour quickly identifies the type of cable:

	CB630U (RAL5015)
	CB631U (RAL7001)
	CB531U (RAL4005)
	CB530U (RAL6027)

Cable marked by metre to measure length easily.



✓ Cable stripping process

<p>1</p>  <p>Adjust according to cable type (UTP, FTP, coaxial category, etc.)</p>	<p>2</p>  <p>Place the cable in the tool</p>	<p>3</p>  <p>Turn. During the operation, the blade only cuts the cable</p>	<p>4</p>  <p>Pull to remove the sheath</p>
---	---	--	---

Further information about Voice and Data Tools can be found on page 135

✓ High-quality, sturdy packaging

305 m coils in **high quality** and durability **stapled boxes** for support during storage, transport and handling on-site.

Recyclable. Made from chlorine-free cardboard.

Ergonomic handle to facilitate cable transport.

Label identifying the cable type.



✓ Flexible

Sheath material is flexible and **slides easily**.



✓ Regulations

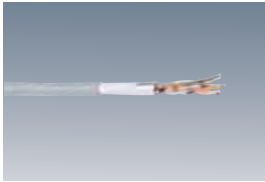
Product designed according to legislation:

EN 50.173-1 Cabling Standard Information Tecnology / TIA/ EIA 568 A/B Comercial Building Telecommunications Cabling Standard / ISO/IEC 11.801 Cabling Standard, Generis Cabling for Customer Premises.

Complies with the RoHS directive and respects the environment

Category 6A complies with standard: TIA/EIA-568-B.2-10 Augmented Category 6 and ISO 11801 Edition 2.1. Class EA specifications. Defined up to 500Mhz.

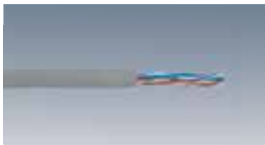
VOICE AND DATA CABLES WITH PVC COVER



- CB651FD** Voice and Data cable cat 6 FTP (shielded) PVC on reel 500 m
- CB531F** Voice and Data cable cat 5e FTP (shielded) PVC on reel 305 m

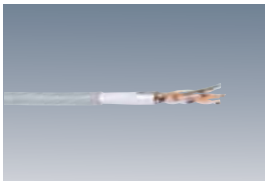


- CB631U** Voice and Data cable cat 6 UTP PVC in box 305 m

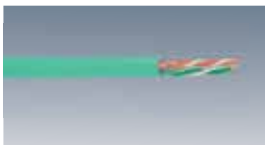


- CB531U** Voice and Data cable cat 5e UTP PVC in box 305 m

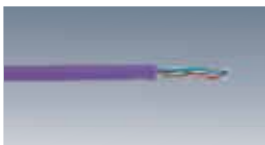
VOICE AND DATA CABLES WITH LSZH COVER (halogen-free)



- CBA50FD*** Voice and Data cable cat. 6A FTP LSZH (halogen-free) on reel 500 m
- CB630F** Voice and Data cable cat. 6 FTP LSZH (halogen-free) in box 305 m
- CB650FD** Voice and Data cable cat. 6 FTP LSZH (halogen-free) on reel 500 m
- CB530F** Voice and Data cable cat. 5e FTP LSZH (halogen-free) in box 305 m
- CB550FD** Voice and Data cable cat. 5e FTP LSZH (halogen-free) on reel 500 m



- CB630U** Voice and Data cable cat. 6 UTP LSZH (halogen-free) in box 305 m



- CB530U** Voice and Data cable cat. 5e UTP LSZH (halogen-free) in box 305 m

Example for determining the length of cable required in an installation

In accordance with standards, a workstation consisting of two RJ45 sockets must be installed for every 10 m². On average, a cable length of 50 metres is estimated for each RJ45 socket; this distance will be adjusted in a single installation according to building layout and exact location of the distribution cabinet: below are some guideline values:

For 12 workstations :	1200 metres or 3 boxes of cable with 305 metres each
For 24 workstations :	2400 metres or 6 boxes of cable with 305 metres each
For 36 workstations :	3600 metres or 9 boxes of cable with 305 metres each
For 48 workstations :	4800 metres or 12 boxes of cable with 305 metres each

* Next launch. Check availability.



VD PATCH CORDS



High connection density

The small size of the RJ45s enables high connection density in cabinets.

- Straps manufactured using flexible cable and certified one by one.
- Allow patch connections in the rack cabinet and between the connection boxes and user equipment.



Individual packaging



VOICE AND DATA CABLE PATCH CORDS

CL6A0F*	Cat. 6A FTP 0.5 m RJ45-RJ45 FTP patch cord
CL6A1F*	Cat. 6A FTP 1 m RJ45-RJ45 FTP patch cord
CL6A2F*	Cat. 6A FTP 2 m RJ45-RJ45 FTP patch cord
CL6A3F*	Cat. 6A FTP 3 m RJ45-RJ45 FTP patch cord
CL6A5F*	Cat. 6A FTP 5 m RJ45-RJ45 FTP patch cord
CL60F	Cat. 6 FTP 0.5 m RJ45-RJ45 FTP patch cord
CL61F	Cat. 6 FTP 1 m RJ45-RJ45 FTP patch cord
CL62F	Cat. 6 FTP 2 m RJ45-RJ45 FTP patch cord
CL63F	Cat. 6 FTP 3 m RJ45-RJ45 FTP patch cord
CL65F	Cat. 6 FTP 5 m RJ45-RJ45 FTP patch cord
CL50F	Cat. 5e FTP 0.5 m RJ45-RJ45 FTP patch cord
CL51F	Cat. 5e FTP 1 m RJ45-RJ45 FTP patch cord
CL52F	Cat. 5e FTP 2 m RJ45-RJ45 FTP patch cord
CL53F	Cat. 5e FTP 3 m RJ45-RJ45 FTP patch cord
CL55F	Cat. 5e FTP 5 m RJ45-RJ45 FTP patch cord

* Next launch. Check availability.



CL60U	Cat. 6 UTP 0.5 m RJ45-RJ45 UTP patch cord
CL61U	Cat. 6 UTP 1 m RJ45-RJ45 UTP patch cord
CL62U	Cat. 6 UTP 2 m RJ45-RJ45 UTP patch cord
CL63U	Cat. 6 UTP 3 m RJ45-RJ45 UTP patch cord
CL65U	Cat. 6 UTP 5 m RJ45-RJ45 UTP patch cord
CL50U	Cat. 5e UTP 0.5 m RJ45-RJ45 UTP patch cord
CL51U	Cat. 5e UTP 1 m RJ45-RJ45 UTP patch cord
CL52U	Cat. 5e UTP 2 m RJ45-RJ45 UTP patch cord
CL53U	Cat. 5e UTP 3 m RJ45-RJ45 UTP patch cord
CL55U	Cat. 5e UTP 5 m RJ45-RJ45 UTP patch cord

 Technical details
See page 200



VOICE AND DATA TOOLS

Professional tools

SIMON presents the NEW high-quality professional tools for installing Structured Cabling. The range consists of insertion tools with spare parts, pliers, cable stripper and crimping tool. The cable stripper and the precision-cutting pliers can also be used for TV sockets and multimedia connectors. The crimping tool is for RJ11, RJ12 and RJ45 connectors.

SCE TOOLS



CH100
IDC professional tool for inserting and cutting RJ45 connectors and panels.
See usage sequence on page 126 and 128



CH101
Spare IDC110 insertion and cutting blade for CH100 tool.



CH104
Professional tool for crimping RJ connectors
4 pins, 6 pins or 8 pins (RJ45).



CH106
Cable stripper tool for UTP/STP twisted pair and coaxial antenna cable.
See usage sequence on page 132



CH108
Precision pliers for cable cutting.

Insertion and cutting tool



- 1- Compatible with spare blade CH101
- 2- Hook for lifting and removing cables
- 3- Allows impact force adjustment
- 4- Ergonomic (adapts to the shape of the hand)
- 5- Inserts and cuts the cable in one step

Sequence for crimping male RJ connectors (computer and telephone)



1 Prepare connector
See connection diagram on page 201



2 Fit connector in tool



3 Crimp to complete the connection



FIBER OPTIC

✓ Fiber Optic all the way to the workstation



Floor rack cabinet

Workstation

✓ Fiber Optic plates

SIMON has a wide range of solutions for Fiber Optic connectors (ST, SC, LC, VF, etc.)

Check the supplied information depending on the format:



✓ Applications

Trunk connection for connection between floors or between buildings.

Installations with long cabling distances.

Cabling for computer and telephone networks in large corporations.

✓ Vertical Fiber Optic installation



19" rack cabinet floor 2

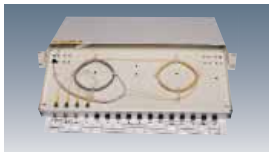


19" rack cabinet floor 1

✓ Where copper cannot reach

Installation of the Fiber optic System is recommended in environments where the security of the transmitted data is essential, where the transmission distance exceeds the norm for copper systems or where very high transmission speeds are required.

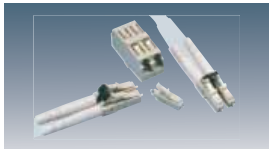




PATCH PANELS

CF401012	1U extendable panel for 19" rack of 12 STs
CF404024	1U extendable panel for 19" rack of 24 STs
CF404012	1U extendable panel for 19" rack of 12 duplex SCs

Extendible splicing and patch boxes used for termination by means of welding pig-tails or direct connector fitting for fiber optic cables



CONNECTORS AND ADAPTERS

Connectors

CF71100	Multimode Epoxy ST fibre connector of 250/900 um
CF71200	Multimode Epoxy SC fibre connector of 250/900 um

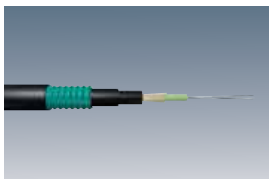
For assembly using Epoxy glue with an excellent finish.



Double female adapters

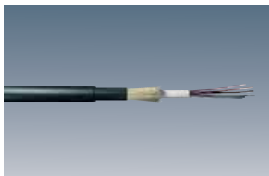
CF10100	ST-ST multi-mode adapter
CF10200	SC-SC duplex multimode adapter

Enable the connection of two male connectors.

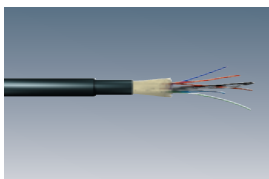


FIBER OPTIC CABLES

CF510EC4	External 62.5/125 4 fibre cable with corrugated steel shield
CF510EC6	External 62.5/125 6 fibre cable with corrugated steel shield
CF510EC8	External 62.5/125 8 fibre cable with corrugated steel shield
CF510EC12	External 62.5/125 12 fibre cable with corrugated steel shield



CF510ED4	Int/ext 62.5/125 LSZH 4 fibre cable with dielectric shield
CF510ED6	Int/ext 62.5/125 LSZH 6 fibre cable with dielectric shield
CF510ED8	Int/ext 62.5/125 LSZH 8 fibre cable with dielectric shield
CF510ED12	Int/ext 62.5/125 LSZH 12 fibre cable with dielectric shield



CF510N2	Internal 62.5/125 LSZH 2 fibre cable
CF510N4	Internal 62.5/125 LSZH 4 fibre cable
CF510N6	Internal 62.5/125 LSZH 6 fibre cable
CF510N8	Internal 62.5/125 LSZH 8 fibre cable

Series of cables to cover all the needs of the installation, with different numbers of fibres and sheathed with different protective materials.

PATCH CORDS AND PIGTAILS

Patch cords

CF311N2	Jumper 2xST - 2xST 62.5/125, 2 m
CF312N2	Jumper 2xSC - 2xSC 62.5/125, 2 m
CF313N2	Jumper 2xST - 2xSC 62.5/125, 2 m

Section of fibre fitted with connectors at both ends.

Pig-tail

CF211N1	Pigtail 1 m ST multimode 62.5/125 fibre 900 um
CF212N1	Pigtail 1 m ST multimode 62.5/125 fibre 900 um

Section of fibre with connector fitted at one end.
Allows the cable to be terminated by fibre fusion.



Technical details
See page 200



Quick-connection



Electrobanda

Simon electric cabling

140 > Quick-connection

144 > Electrobanda





QUICK-CONNECTION

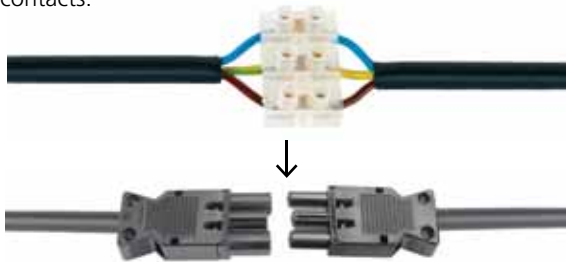
The quick-connection system is made up of a series of connectors and electric cables that make it possible to **interconnect** parts of the installation **quickly and safely**.

Quickly, because they allow all the elements to be shipped assembled and cabled at the workshop, reducing the time at the site. The installation of the products requires only **"arriving and connecting"**.

Safely because they include an anchoring system that protects against accidental disconnection and the contacts are permanently **protected** against access (both male and female).

✓ The evolution of connections!

The quick-connection replaces the traditional connector array with maximum guaranties of protection against contacts.



✓ Assembly in CIMA floor boxes

The references S410/.. and S610/.. include pre-punched holes for two, 3 pole quick connectors.

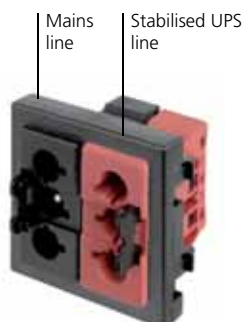
Also for TELEBLOCK K45 and OFIBLOCK K45 using K45 plates for quick connection.

(See page 86)



✓ Also for UPS line

NEW CONNECTORS Special (red colour) to differentiate the stabilised UPS current with own geometry and avoid connection errors.



✓ Protection against direct contact

Both the male and female connectors and the overhead and embedded connectors provide protection against direct access.



Male connector



Female connector

✓ Safety clip

The safety clip prevents accidental disconnection of patch cords.

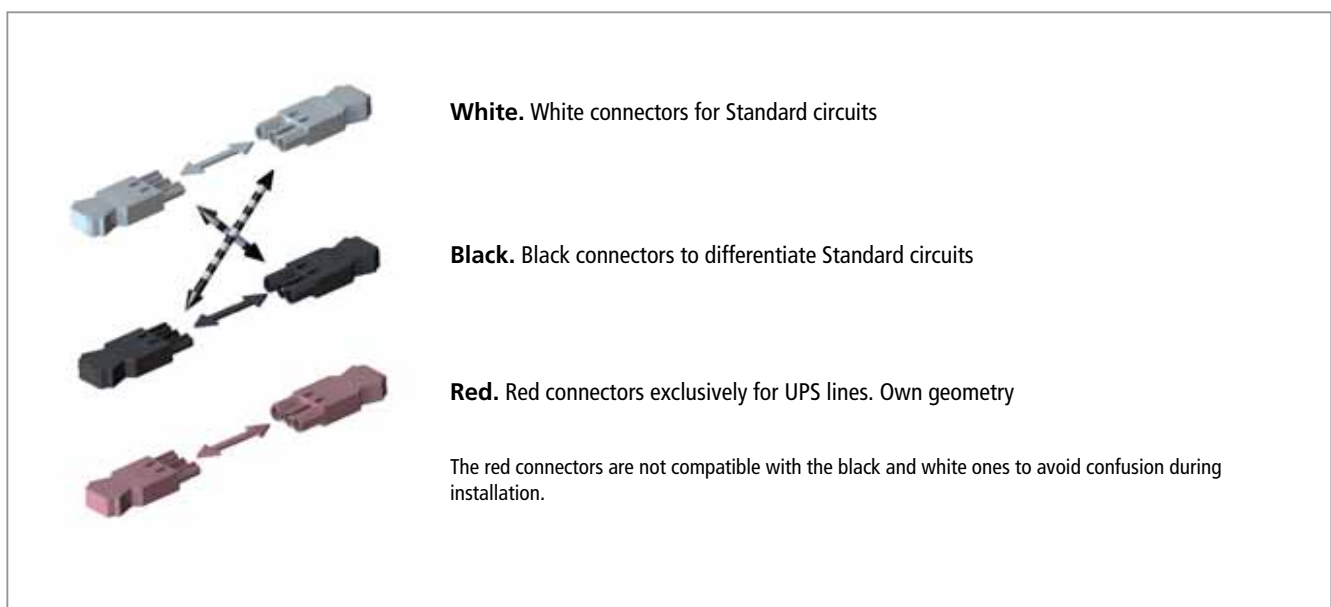


Under raised-floor installation system

Raised-floor installations using OFIBLOCK COMPACT K45 as junctions or Junction box.



Connector compatibility



QUICK CONNECTION IEC320



K305A /9 /14 K45 plate with one (1) IEC320 male quick connector

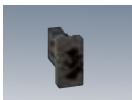


K306A /9 /14 K45 plate with one (1) IEC320 female quick connector



KTL8 /14 Schuko-IEC320 2 m female electrical patch cord

PLATES WITH 3-POLE FLUSH-MOUNT QUICK CONNECTORS



K121A /9 /14 K45 plate 1/2 mechanism for one (1) 3 pole male quick connector

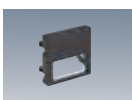


K121B /9 /14 K45 plate 1/2 mechanism for one (1) 3 pole female quick connector

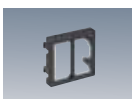
PLATES FOR 3-POLE FLUSH-MOUNT QUICK CONNECTORS



K121 /9 /14 K45 plate 1/2 mechanism for one (1) 3 pole male or female quick connector



K18 /9 /14 K45 plate for one (1) 3 pole male or female flush-mount quick connector



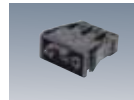
KB18 /9 /14 K45 plate for two (2) 3 pole male or female flush-mount quick connector

PLATES FOR 5-POLE FLUSH-MOUNT QUICK CONNECTORS

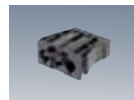


K18W5 /9 /14 K45 plate two (2) mechanisms for one (1) 5 pole male or female flush-mount quick connector

CONNECTORS



CR0001 /9 /14 /6 3 pole female flush-mount quick connector, connection by clamp



CR0002 /9 /14 /6 3 pole male flush-mount quick connector, connection by clamp



CR0003 /9 /14 /6 3 pole female overhead quick connector, connection by screw



CR0004 /9 /14 /6 3 pole male overhead quick connector, connection by screw



CR5001 /14 5 pole female flush-mount quick connector, connection by clamp



CR5002 /14 5 pole male flush-mount quick connector, connection by clamp



CR5003 /14 5 pole female overhead quick connector, connection by screw



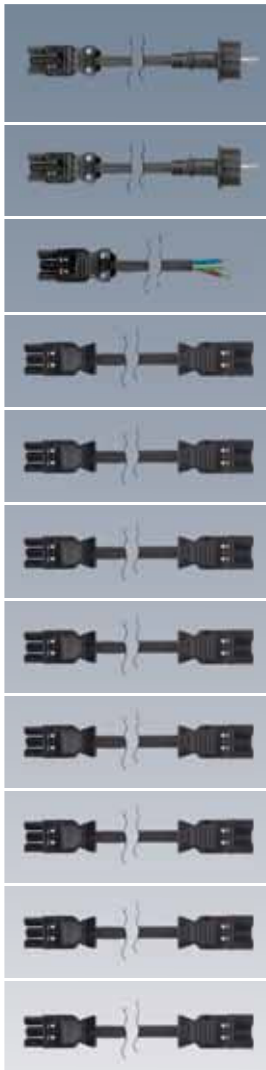
CR5004 /14 5 pole male overhead quick connector, connection by screw

Connectors in /6 are not compatible with /9 /14 to avoid confusion during installation.

Red

Pure white

Graphite grey

/6**/9****/14**

3-POLE QUICK-CONNECTION PATCH CORDS

CR1020 /9 /14	3 pole Schuko female quick-connection patch cord. 2 m. PVC Section 3x1.5 mm ²
CR6020 /9 /14 /6	3 pole Schuko female quick-connection patch cord. 2 m. RZ cable – 0.6/1 kv. Halogen-free. Section 3x2.5 mm ²
CR4020 /9 /14 /6	3 pole free-end female quick-connection patch cord. 2 m. RZ cable – 0.6/1 kv. Halogen-free. Section 3x2.5 mm ²
CR2010 /9 /14 /6	3 pole male-female quick-connection patch cord. 1 m. RZ cable – 0.6/1 kv. Halogen-free. Section 3x2.5 mm ²
CR2020 /9 /14 /6	3 pole male-female quick-connection patch cord. 2 m. RZ cable – 0.6/1 kv. Halogen-free. Section 3x2.5 mm ²
CR2030 /9 /14 /6	3 pole male-female quick-connection patch cord. 3 m. RZ cable – 0.6/1 kv. Halogen-free. Section 3x2.5 mm ²
CR2040 /9 /14 /6	3 pole male-female quick-connection patch cord. 4 m. RZ cable – 0.6/1 kv. Halogen-free. Section 3x2.5 mm ²
CR2050 /9 /14 /6	3-pole male-female quick-connection patch cord. 5 m. RZ cable – 0.6/1kv. Halogen-free. Section 3 x 2.5 mm ²
CR2060 /9 /14 /6	3 pole male-female quick-connection patch cord. 6 m. RZ cable – 0.6/1 kv. Halogen-free. Section 3x2.5 mm ²
CR2070 /9 /14 /6	3 pole male-female quick-connection patch cord. 7 m. RZ cable – 0.6/1 kv. Halogen-free. Section 3x2.5 mm ²
CR2080 /9 /14 /6	3 pole male-female quick-connection patch cord. 8 m. RZ cable – 0.6/1 kv. Halogen-free. Section 3x2.5 mm ²

Connectors in **/6** are not compatible with **/9 /14** to avoid confusion during installation.

JUNCTIONS



CR7312 /14	3 pole T-junction part with 1 input and 2 outputs
-------------------	---

The SIMON quick-connection plates are also compatible with WAGO® connectors

i Configuration example

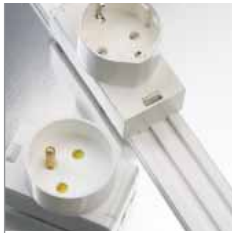
OFIBLOCK COMPACT K45: Consolidation point for raised floor or false ceiling



	Quantity	Ref./Finish	Description
Enclosure	1	KFC106/14	OFIBLOCK COMPACT K45 6 usable mechanisms
Electrical sockets and plates	1	ACFC03/24	Side cover for single quick-connection input
	1	CR0002/14	3 pole male flush-mount quick-connector, graphite
	6	KB18/14	K45 plate for two (2) 3 pole male or female flush-mount quick-connectors, graphite
	12	CR0001/14	3 pole female flush-mount quick-connector, graphite

N.B. This configuration does not include the patch cord in the reference listing

Technical details
See page 202



ELECTROBANDA

Great adaptability

The ELECTROBANDA pre-wired trunking is especially designed for **commercial and industrial** premises, such as **hypermarkets and warehouses**. It is pre-fabricated with 3 conductors for 20 A to 240 V.

Complete installation flexibility

Allows assembly of mechanically interlocking **mobile socket bases** that can be changed position without needing to be wired.



Installation options

Wall installation

ELECTROBANDA has an aluminium section with a matching cover that allows it to be installed on wall surfaces, providing a good finish.

Installation in aluminium perimeter trunking

ELECTROBANDA can be attached to the following **aluminium trunkings**:



With 65 mm cover:

ELECTROBANDA clips directly on the 65x40 mm model.

[See aluminium Mini-trunking on page 96](#)

Tools required
for Electrobanda
installation



PEA131
Angle piece bender



PEA132
Cable strippers

Aluminium Anodised	Pure white
/8	/9

ELECTROBANDA TRUNKING



PE101 /9 ELECTROBANDA in 25 m reel

Accessories

Electrical sockets for ELECTROBANDA



PEA124 /9
Mobile Schuko socket



PEA125 /9
Mobile French socket

Wall-mount accessories



PEA100 /8
2.5 m aluminium section



PEA110 /9
Section cover in 25 m reel



PEA120 /9
Connection box (electric power supply)



PEA101 /9
Flat 90° angle piece



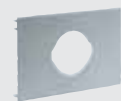
PEA104 /9
End cover



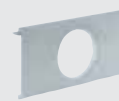
PEA106 /9
T-junction

Accessories for installation in aluminium perimeter trunking

Aluminium trunking with 65mm cover: 65 x 40 mm model



TMA08 /8
65x120 mm aluminium plate for Schuko socket



TMA07 /8
65x120 mm aluminium plate for French socket



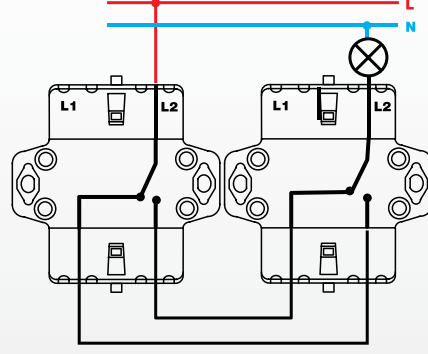
Technical details
See page 203

Simon Technical Information





Simon Technical Information



Technical information

Plastic parts manufactured using thermoplastic, self-extinguishable, halogen-free materials, which prevent flames from spreading during a fire and guarantee low toxicity in the event that smoke is emitted.



ELECTRICAL SOCKETS

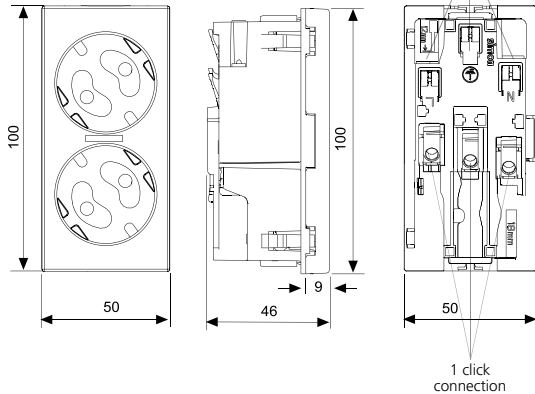
- The screw-fasten Schuko socket complies with standard UNE 20.315
- The Schuko socket with 1 click connection system complies with standard EN60998-2-3
- The French socket complies with standard NF-C-61.314
- Cabling from 1.5 mm to 2.5 mm cross-section for different types of terminal connection
- Product designed according to standard UNE-20315 (Schuko sockets) or NF C 61.314 (French sockets)
- Electrical specification: 16A/250V
- IP protection level: 20
- LED Indicator: consumption: 0.55 mA

SCHUKO SOCKET OUTLETS

Schuko socket

1 click connection system with LED

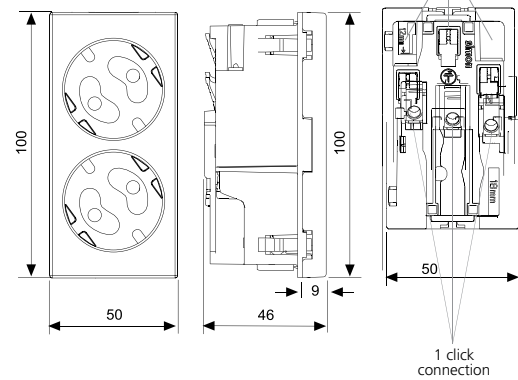
Ref. 50010432-...



Schuko socket

1 click connection system without LED

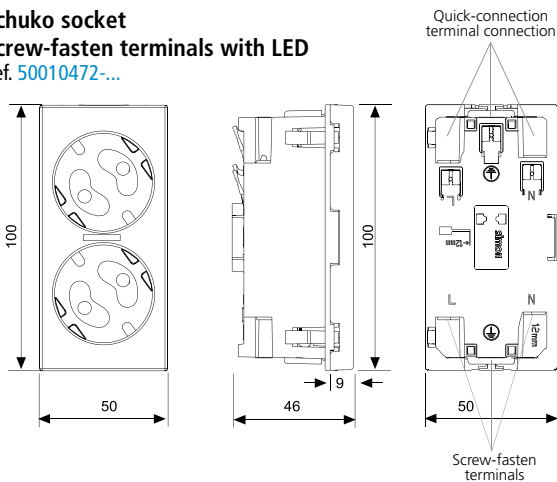
Ref. 50000432-...



Schuko socket

Screw-fasten terminals with LED

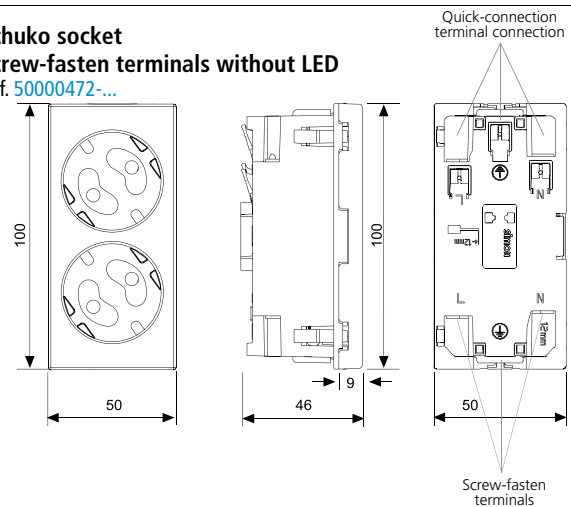
Ref. 50010472-...



Schuko socket

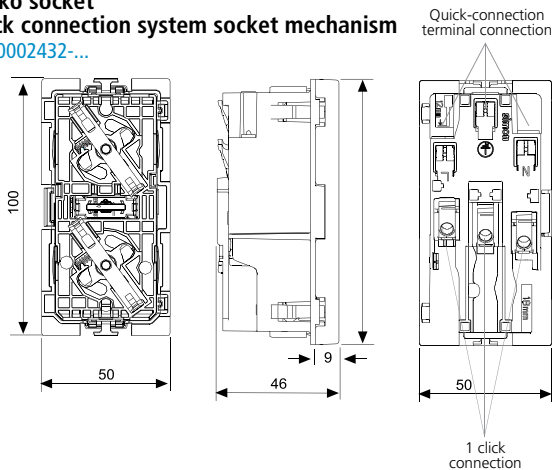
Screw-fasten terminals without LED

Ref. 50000472-...



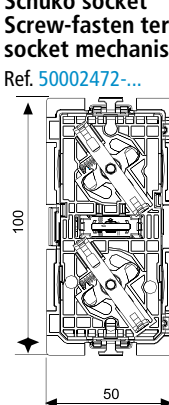
Schuko socket 1 click connection system socket mechanism

Ref. 50002432-...



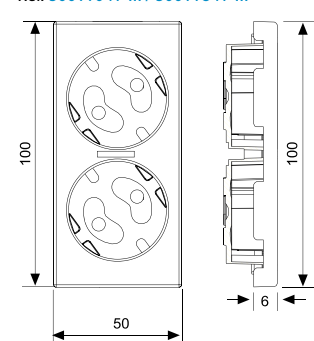
Schuko socket Screw-fasten terminals socket mechanism

Ref. 50002472-...



Covers with viewer

Ref. 50011041-... / 50011841-...

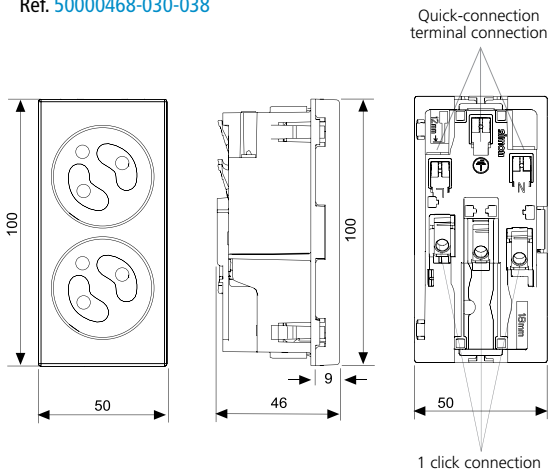


Dimensions in mm

FRENCH SOCKET OUTLETS

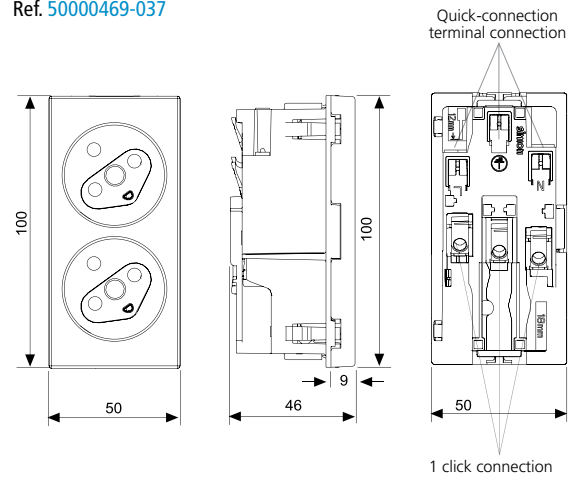
**French socket
1 click connection system without LED**

Ref. 50000468-030-038



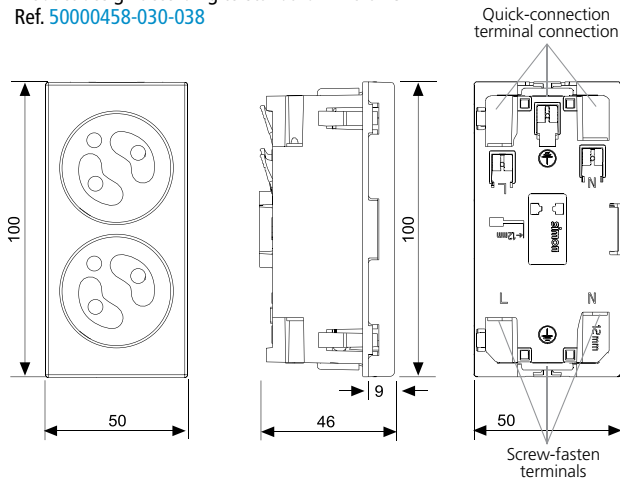
**French socket
1 click connection system without LED for release PIN**

Ref. 50000469-037



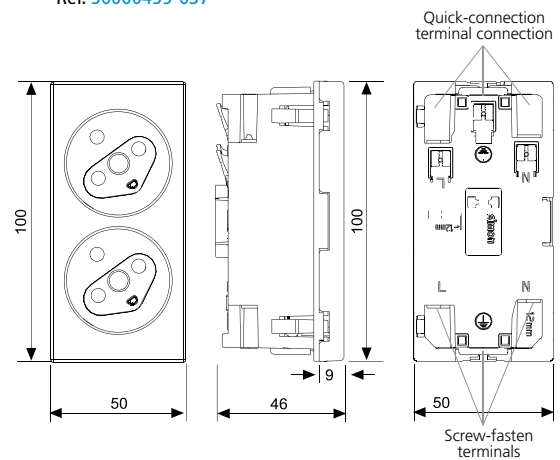
**French socket
Screw-fasten terminals without LED**

Product design according to standard NF-C-61.314
Ref. 50000458-030-038



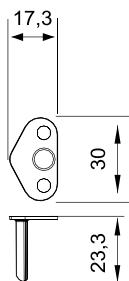
**French socket
Screw-fasten terminals without LED for release PIN**

Ref. 50000459-037



Safety shutter release PIN

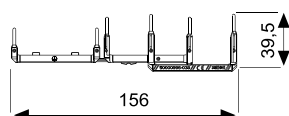
Ref. 50000803-...



ACCESSORIES

Electrical linker

Ref. 50000996-039

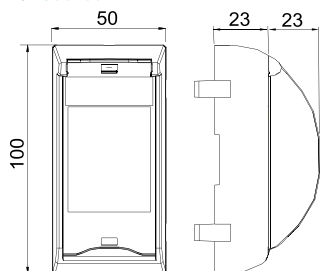


Dimensions in mm

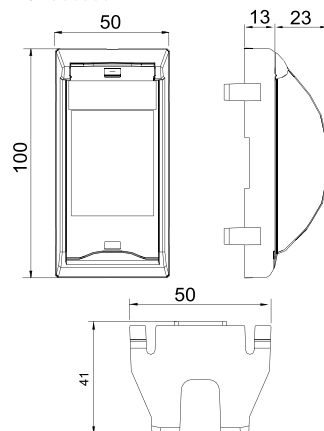
Technical information

PROTECTION

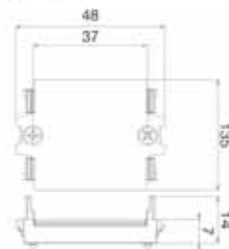
Ref. 50010074-...



Ref. 50000074-...

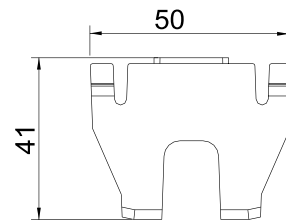


Ref. 50010076-...

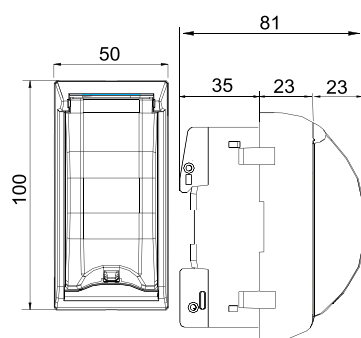


Replacement parts

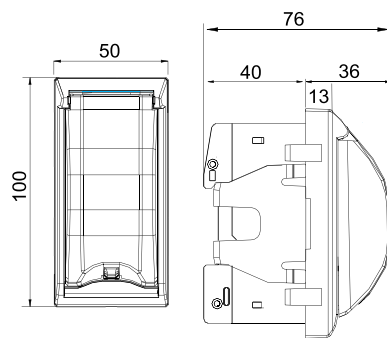
Ref. 50000076-...



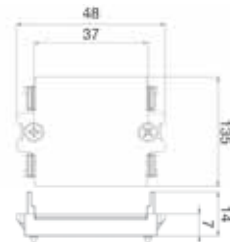
Ref. 50010075-... / 50012075-... / 50011075-...



Ref. 50000075-... / 50002075-... / 50001075-...

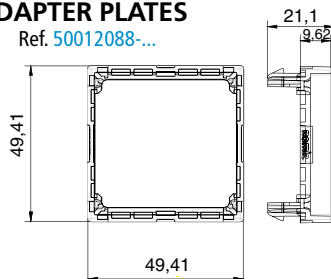


Ref. 50010076-...

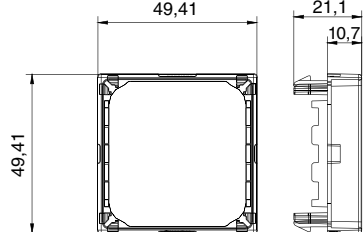


ADAPTER PLATES

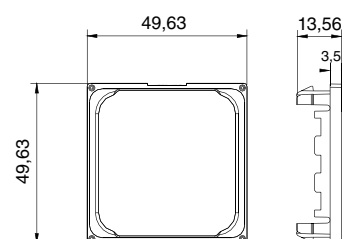
Ref. 50012088-...



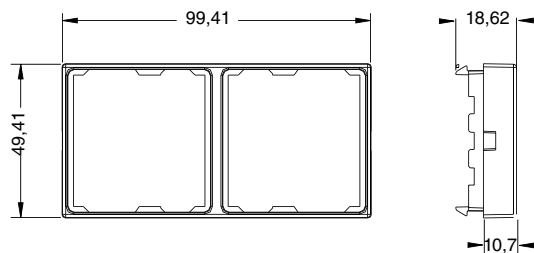
Ref. 50010088-...



Ref. 50011088-...

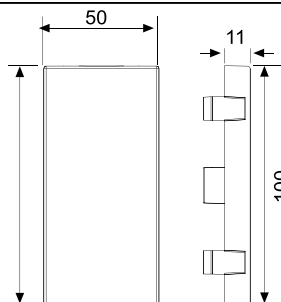


Ref. 50000088-...

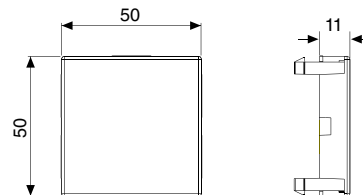


BLIND PLATE

Ref. 50000800-...



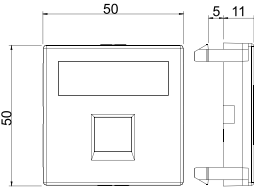
Ref. 50010800-...



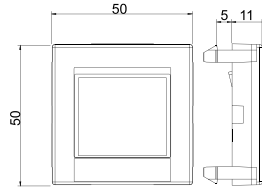
Dimensions in mm

VOICE AND DATA PLATES

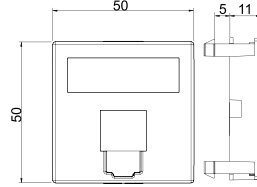
Ref. 50000185-... / 50001185-... / 50002185-... / 50003185-... / 50004185-... / 50011185-... / 50015185-... / 50018185-... / 50019185-...



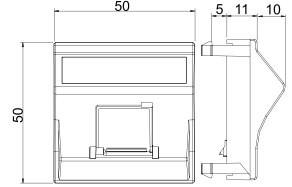
Ref. 50020185-...



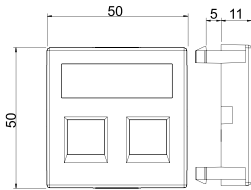
Ref. 50000085-... / 50001085-... / 50002085-... / 50003085-... / 50004085-... / 50013085-... / 50015085-... / 50016085-... / 50017085-... / 50018085-... / 50019085-...



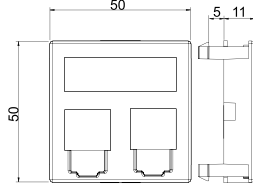
Ref. 50000081-... / 50001081-... / 50002081-... / 50003081-... / 50004081-...



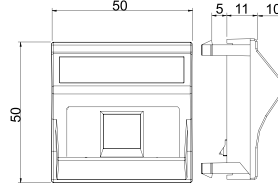
Ref. 50000189-... / 50001189-... / 50002189-... / 50003189-... / 50004189-... / 50011189-... / 50015189-... / 50018189-... / 50019189-...



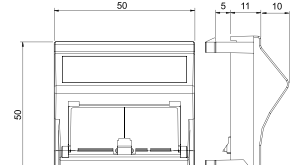
Ref. 50000089-... / 50001089-... / 50002089-... / 50003089-... / 50004089-... / 50013089-... / 50015089-... / 50016089-... / 50017089-... / 50018089-... / 50019089-...



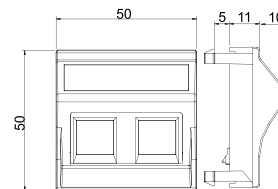
Ref. 50000181-...



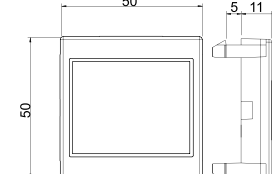
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Ref. 50000186-...



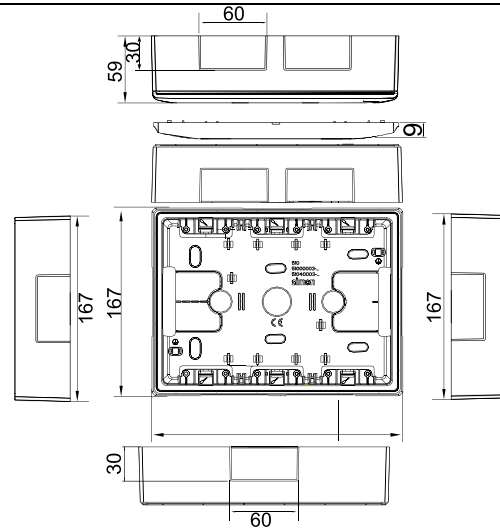
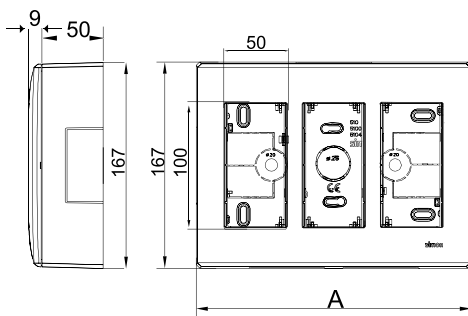
Ref. 50021186-...



SURFACE BOXES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with standard UNE-EN-60.670-1
- Directive ROHS 2011/65/EU
- EC-marked product C€
- Impact resistance: IK07
- Temperature range during installation: - 5° to + 60°
- IP protection level: 4X
- Maximum temperature during construction: +60°
- Heat resistance (according to standard IEC 60695-10-2): +125°
- Self-extinguishable (GWFI, according to standard IEC 60695-2-11): +850°C/ 30s
- Insulation resistance >5MΩ at 500V
- Electrical rigidity: No drilling or contouring with 2000V. 50Hz for 1 minute.

Ref. 5100000x-...

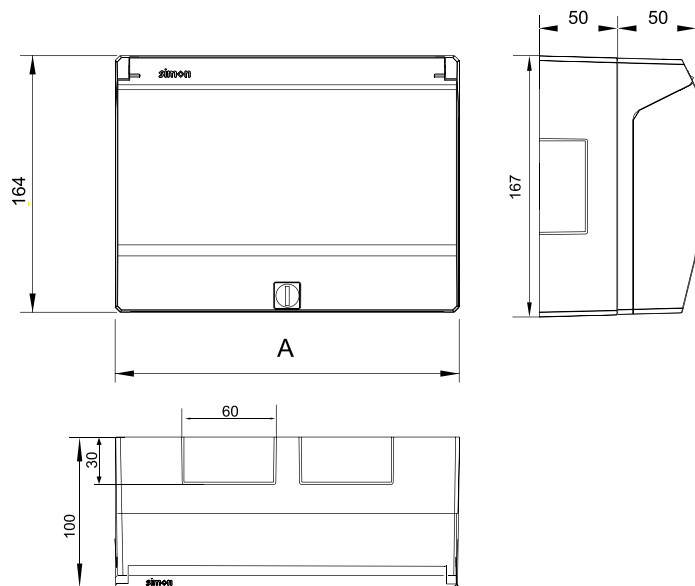


References	No. of modules	Dimensions A	58x31 Lateral inlets	Pre-punched hole 20 Ø	Pre-punched hole 25 Ø	Pre-punched holes 30x50	Pre-punched holes 40x80
51000001-...	1	97	4	-	1	-	-
51000002-...	2	160	5	1	1	-	1
51000003-...	3	223	5	-	1	2	-
51000004-...	4	286	5	2	2	2	-
51000006-...	6	412	5	4	2	2	-

Dimensions in mm

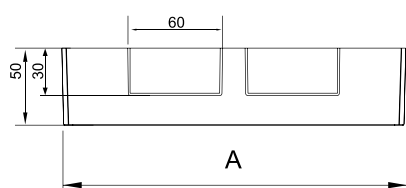
SURFACE BOXES

Complete boxes with frame



References	No. of modules	Dimensions A
51040003-...	3	220
51000004-...	4	284

Box sockets for kits

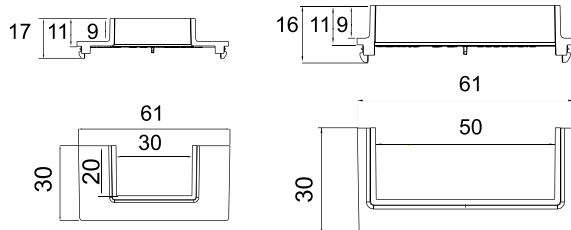


References	No. of modules	Dimensions A
51050002-...	2	160
51050003-...	3	223
51050004-...	4	286

Adapters for mini-trunking and tube entry

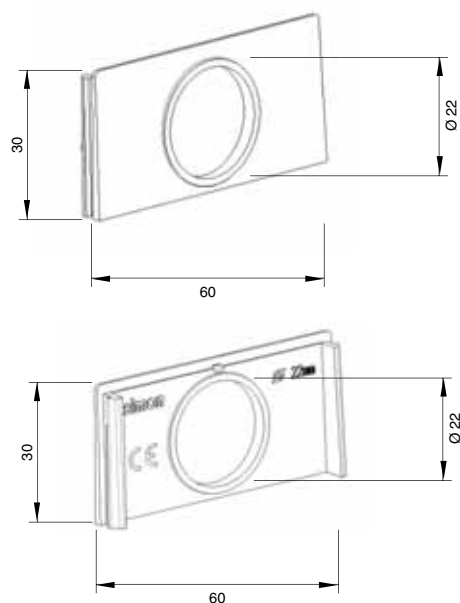
Ref. 51010900-030

Ref. 51020900-030



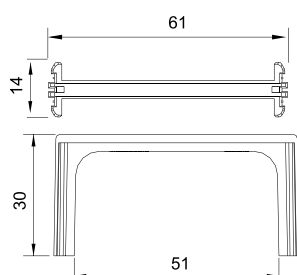
Cover for Ø 22 mm tube or cable seal

Ref. 51030900-030



Box linker

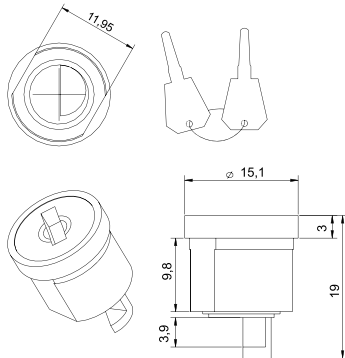
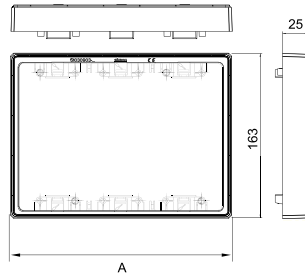
Ref. 51040905-030



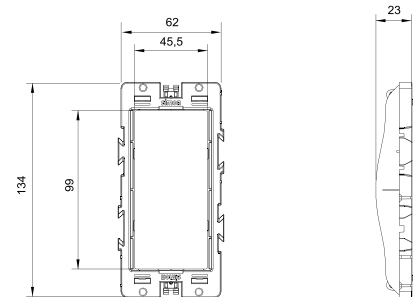
Dimensions in mm

SURFACE BOXES
Cylinder lock with key

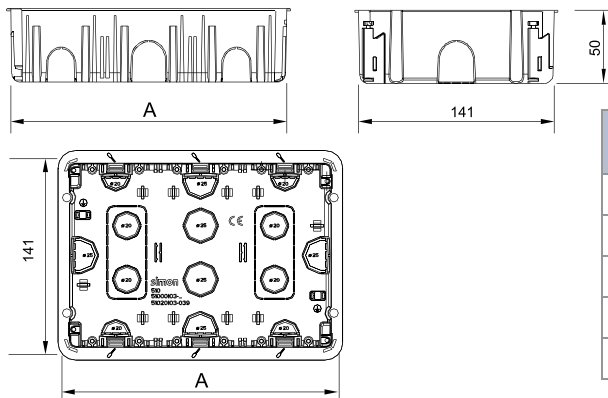
Ref. 51040900-033


Depth expander accessory


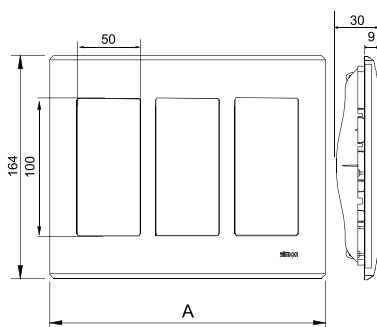
References	No. of modules	Dimensions A
51030903-...	3	219
51030904-...	4	283

Centre frame replacement part

FLUSH-MOUNT BOXES

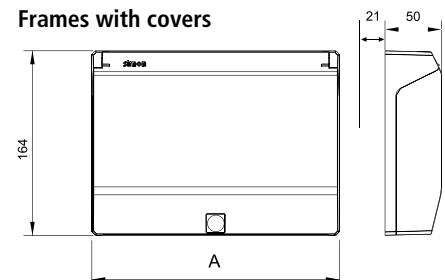
- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with standard UNE-EN-60.670-1
- Directive ROHS 2011/65/EU
- EC-marked product CE
- Impact resistance: Ik07
- Protection level: IP:4X
- Temperature range during installation: - 5° to + 60°
- Maximum temperature during construction: + 90°
- Heat resistance (according to standard IEC 60695-10-2): +125°
- Self-extinguishable (GWFI, according to standard IEC 60695-2-11): +850°C/ 30s
- Insulation resistance >5MΩ at 500V
- Electrical rigidity: No drilling or contouring with 2000V. 50Hz for 1 minute.

Flush-mount box


References	No. of modules	Dimensions A	Pre-punched hole Ø 20	Pre-punched hole Ø 25	Pre-punched hole 30x70
510201101-...	1	73	4	2	-
510201102-...	2	157	6	4	1
510201103-...	3	199	8	6	2
510201104-...	4	262	8	10	2
510201106-...	6	388	10	16	2

Frames


References	No. of modules	Dimensions A
51010101-...	1	94
51010102-...	2	135
51010103-...	3	220
51010104-...	4	284
51010106-...	6	409

Frames with covers


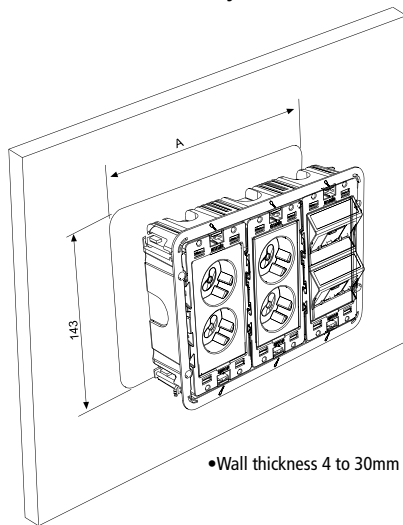
References	No. of modules	Dimensions A
51040103-...	3	220
51040104-...	4	284

Dimensions in mm

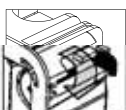
Technical information

FLUSH-MOUNT BOXES

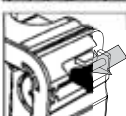
Installation in masonry wall and hollow partition



References	No. of modules	Dim. Width
51020101-...	1	75
51020102-...	2	138
51020103-...	3	201
51020104-...	4	264
51020106-...	6	390



Masonry wall

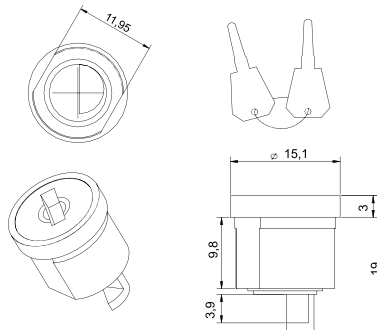


Hollow partition

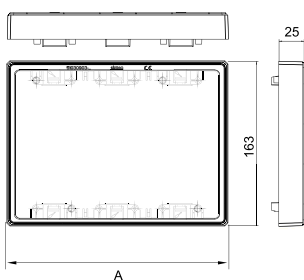
• Wall thickness 4 to 30mm

Cylinder lock with key

Ref. 51040900-033



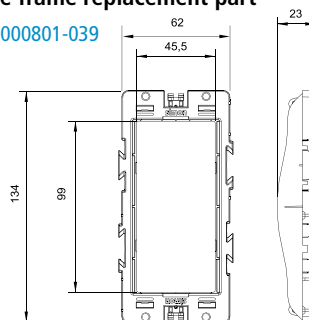
Depth accessory



References	No. of modules	Dimensions A
51030903-...	3	219
51030904-...	4	283

Centre frame replacement part

Ref. 50000801-039

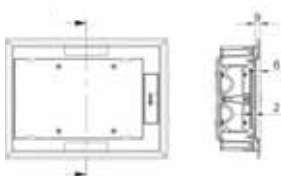


SHALLOW FLOOR BOXES

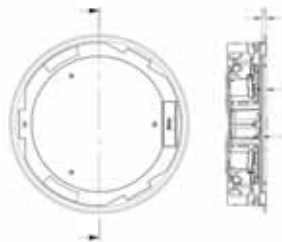
- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with standard UNE-EN-60.670-23
- EC-marked product CE.
- IP protection level: 4x
- Impact resistance IK:08
- The recommended temperature range during installation is: -5°C to + 60°C
- The maximum temperature during construction work is + 90°C (installed with junction box)

Boxes

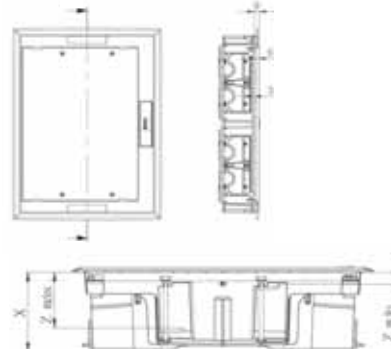
2 Modules



3 Modules



4 Modules

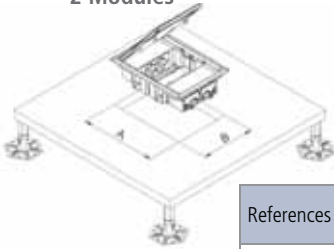


References	No. of modules	Dimensions X	No. of pre-punched holes x module	Dimensions Z
52050202-035	2	69	two Ø10	11 to 48
52050203-035	3		two Ø20 two	
52050204-035	4		55x20	

Dimensions in mm

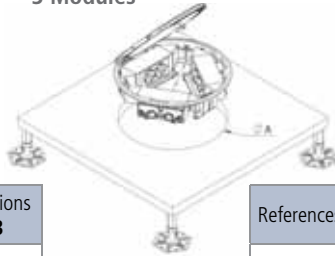
SHALLOW FLOOR BOXES

Raised-floor installation
2 Modules



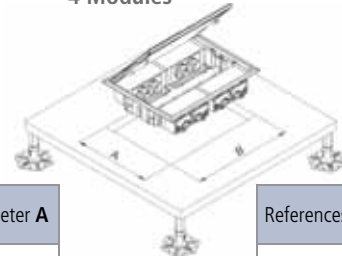
References	Dimensions AxB
52050202-035	250x178

3 Modules



References	Diameter A
52050203-035	300

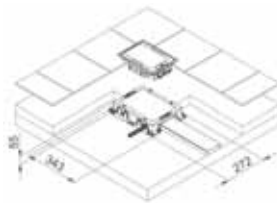
4 Modules



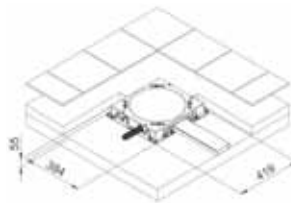
References	Dimensions AxB
52050204-035	250x327

Installation in concrete Floors

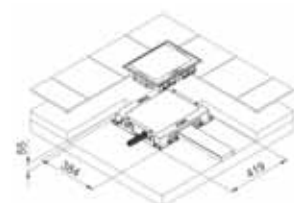
2 Modules



3 Modules

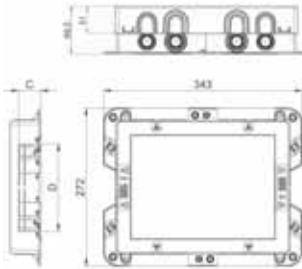


4 Modules

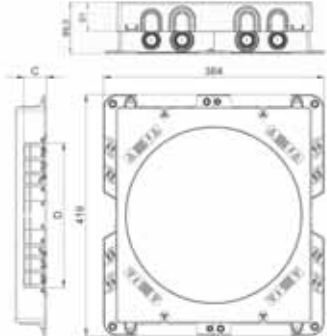


Ground tray

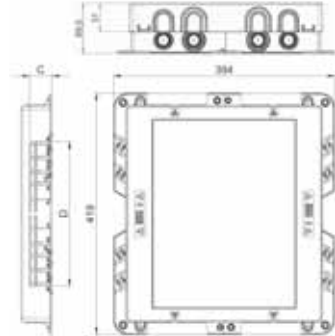
2 Modules



3 Modules



4 Modules



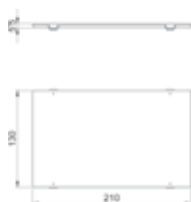
References	No. of modules	Measurements of the junction box opening	Depth X	Pre-punched Tube entry hole no.	Trunking entry CxD
G201	2	272x343	54.5 to 90**	eight Ø20 eight Ø25 eight Ø32 four Ø40	50
G301C	3				100
G401	4				110
					140
					150
					*190
					*200
					*240
					*250

* Only for G301C and G401
** Not including floor finishing

Trim covers for flush-mounting

2 Modules

Ref. 52053202-035



3 Modules

Ref. 52053203-035



4 Modules

Ref. 52053204-035

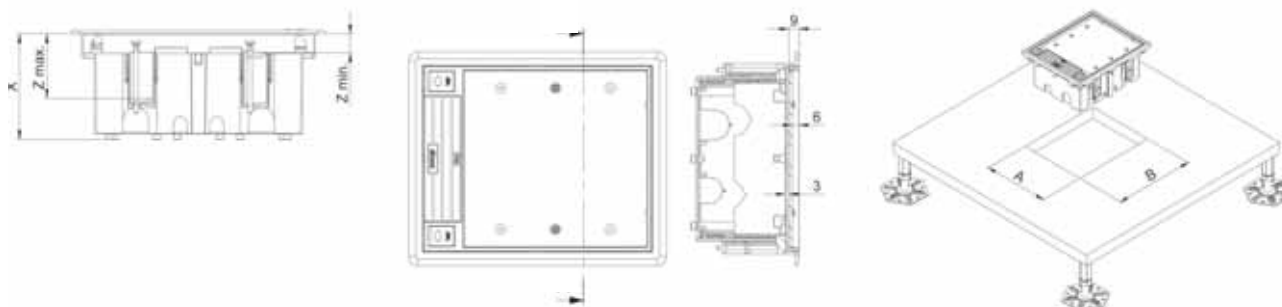


Technical information

FLOOR BOXES

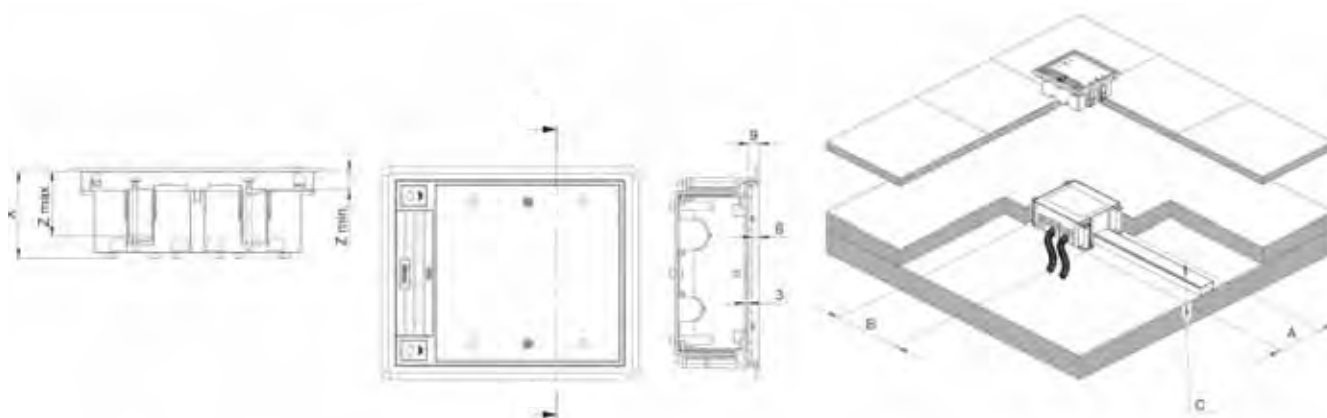
- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with standard UNE-EN-60.670-23
- EC-marked product CE
- IP protection level: 4x
- Impact resistance IK:08
- The recommended temperature range during installation is: -5°C to + 60°C
- The maximum temperature during construction work is + 90°C

Raised-floor installation



References	No. of modules	Dimensions of opening AxB	Depth X	No. pre-punched holes	Load maximum	Adjustment Z Min.	Adjustment Z Max.
52050101-...	1	170x115	Adjustable from 92 to 120	2 Ø26 + 4 Ø20 + 2 Ø12.5	400	14	54
52050102-...	2	170x155		4 Ø26 + 4 Ø20	600	14	54
52050103-...	3	170x210		2 Ø26 + 6 Ø20 + 4 Ø12.5	800	14	54
52050104-...	4	170x265		5 Ø26 + 5 Ø20	900	14	54
52050106-...	6	210x300		5 Ø26 + 5 Ø20 + 4 Ø12.5	1000	14	54

Installation in concrete Floors



References	No. of modules	Tray plastic AxB	Depth X	No. pre-punched holes	Load maximum	Adjustment Z Min.	Adjustment Z Max.
52050001-...	1	220x172.2	Adjustable from 76 to 100	2 Ø26 + 2 Ø20 + 2 Ø12.5	400	14	54
52050002-...	2	220x172.2		4 Ø26 + 4 Ø20	600	14	54
52050003-...	3	220x227		2 Ø26 + 2 Ø20 + 8 Ø12.5	800	14	54
52050004-...	4	220x286.5		4 Ø26 + 4 Ø20 + 4 Ø12.5	900	14	54
52050006-...	6	239x312		4 Ø26 + 4 Ø20 + 8 Ø12.5	1000	14	54

Dimensions in mm

FLOOR BOXES

Box opening

1 Module

2 Modules

3 Modules

4 Modules

6 Modules



Replacement parts

1 Module

Ref. [RSF001/..](#)

2 Modules

Ref. [RSF002/..](#)

3 Modules

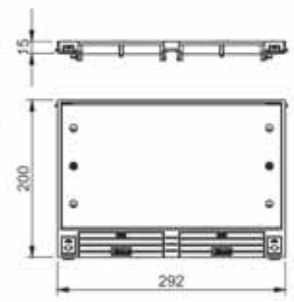
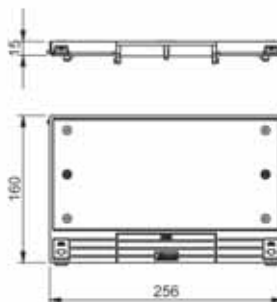
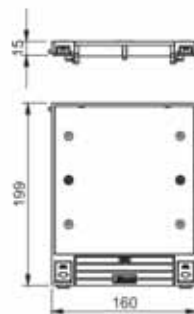
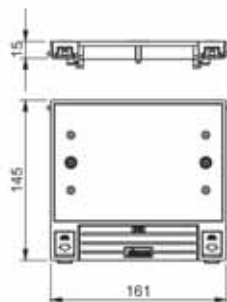
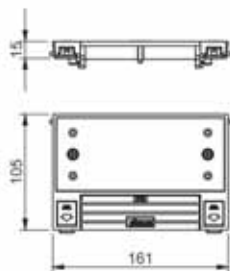
Ref. [RSF003/..](#)

4 Modules

Ref. [RSF004/..](#)

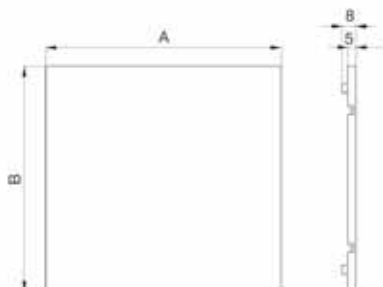
6 Modules

Ref. [RSF006/..](#)



Flush-mount cover

Dimensions for covers for carpeting or parquet



References	No. of modules	Dimension A	Dimension B
52053101	1	154	66
52053102	2	154	107
52053103	3	154	160
52053104	4	118	247
52053106	6	282	156

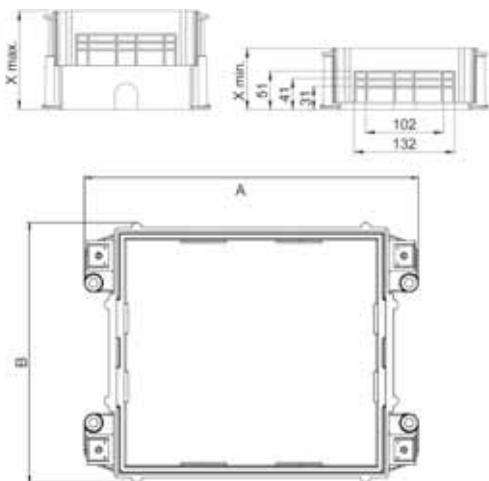
Dimensions in mm

Technical information

JUNCTION BOXES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with standard UNE-EN-60.670-23
- EC-marked product CE.
- IP protection level: 4x
- The recommended temperature range during installation is: -5°C to + 60°C
- The maximum temperature during construction work is + 90°C

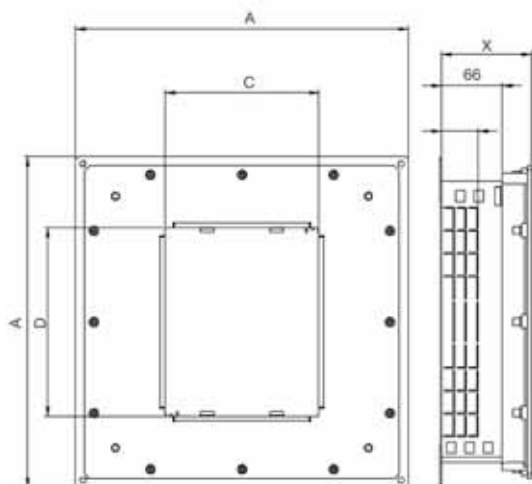
Plastic tray for concrete floors



References	No. of modules	Dimensions of the junction box opening AxB	Depth X	No. pre-punched holes Tube entry	Trunking entry
52052101-035	1	220x172.2	Adjustable from 80 to 110*	4 Ø30	From 100x20 to 130x40
52052102-035	2	220x172.2		4 Ø30	
52052103-035	3	220x227	Adjustable from 80 to 130*	4 Ø30	
52052104-035	4	220x286.5		8 Ø30	
52052106-035	6	259x312	Adj. from 80 to 110*	8 Ø30	

* Includes floor finish

Metal tray for concrete floors

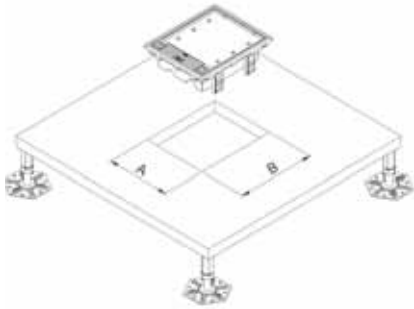


References	No. of modules	Dimensions of opening for junction box AxA	Dimensions of the opening for the trim CxD	Depth X	Trunking entry
52052203-033	3	363x363	168x206	Adjustable from 75 to 90	From 100x30 to 270x40
52052204-033	4	363x363	168x264		From 100x30 to 270x40
52052206-033	6	463x463	207x300		From 100x30 to 350x40

Dimensions in mm

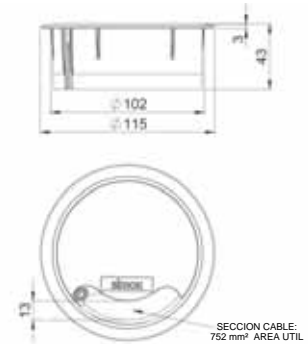
JUNCTION BOXES

Junction box cover



References	Dimensions of opening AxB
52054101	170x115
52054102	170x155
52054103	170x210
52054104	170x265
52054106	210x300

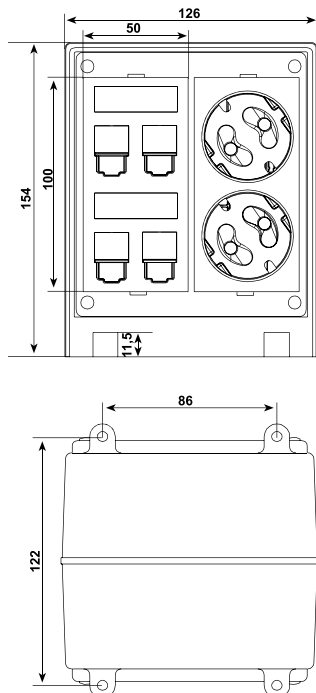
Ref. 52055000-...



MINI-TOWERS

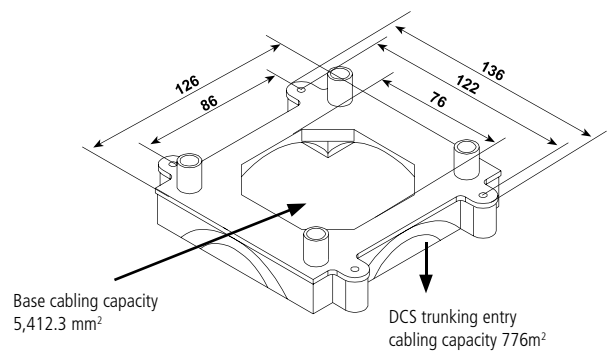
- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with standard UNE-EN-50.085-2-4
- EC-marked product C.C.
- IP protection level: 4x
- Impact resistance level: IK08
- The recommended temperature range during installation is: - 5° C to +60° C
- The maximum temperature during construction work is + 60°C.

Ref. 52550204-030



Base

Ref. 52554204-030



Base with pre-punched hole for DCS 85x18mm floor trunking

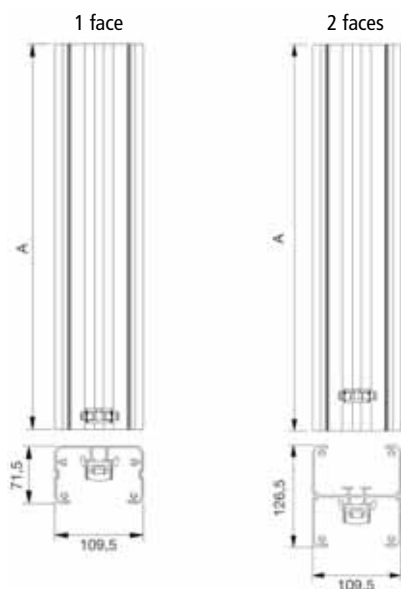
Dimensions in mm

Technical information

MINI-COLUMNS AND COLUMNS

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with standard UNE-EN-50.085-2-4.
- The recommended temperature range during installation is: - 25° C to +120° C
- The maximum temperature during construction work is + 120°C.
- Manufactured in Anodised Aluminium/Painted
- IP protection level: 4x

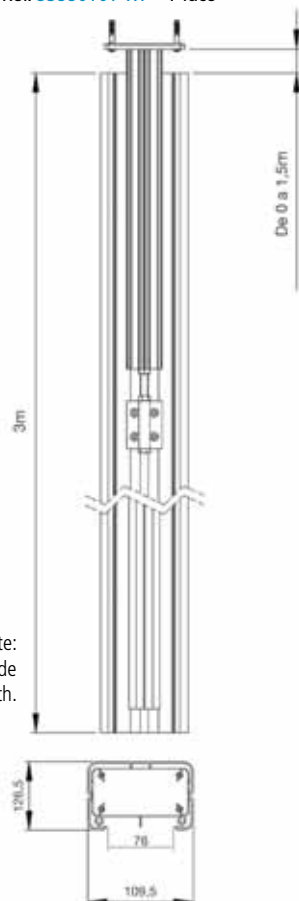
Mini-columns



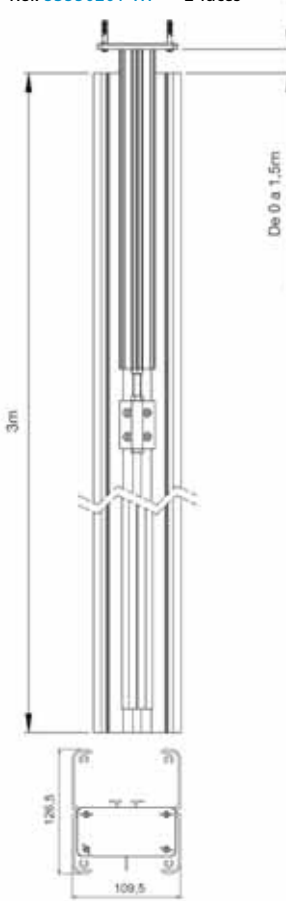
	References	No. of modules	Dimensions A
1 face	52550112-...	2	316
	52550113-...	3	451
	52550114-...	4	581
	52550115-...	5	721
2 faces	52550222-...	4	316
	52550223-...	6	451
	52550224-...	8	581
	52550225-...	10	721

Columns

Ref. 53550101-... 1 face



Ref. 53550201-... 2 faces



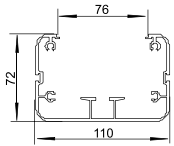
Note:
Telescoping guide
1500mm in length.

Dimensions in mm

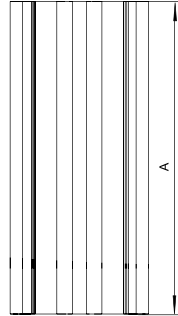
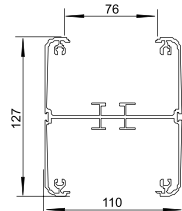
MINI-COLUMNS AND COLUMNS

Column extensions

Ref. 5355510x-...



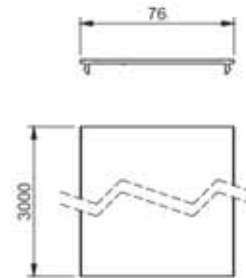
Ref. 5355520x-...



	Dimensions A
2 mod	316
3 mod	451
4 mod	581
5 mod	721

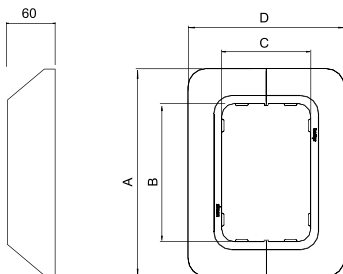
Replacement parts for columns - front cover

Ref. 52551807-...



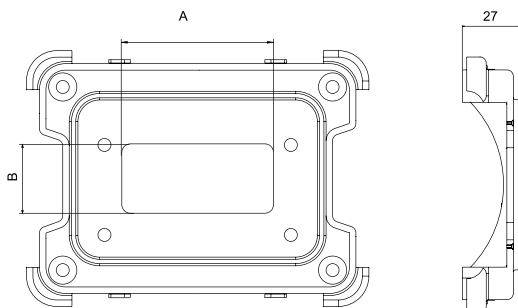
MINI-COLUMNS AND COLUMNS - REPLACEMENT PARTS

Trim



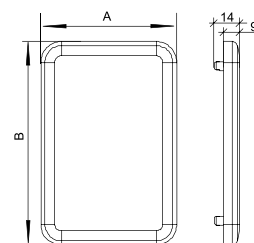
	References	Dimension A	Dimension B	Dimension C	Dimension D
1 face	52551801-...	165	110	71	125
2 faces	52551802-...	181	127	109	165

Bases



	References	Dimension A	Dimension B
1 face	52551803-038	70	32
2 faces	52551804-038	70	79

Top Cover (mini-columns only)



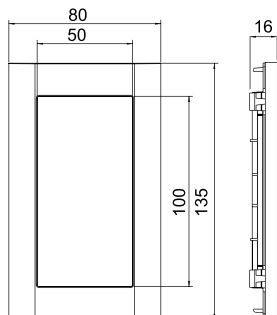
	References	Dimension A	Dimension A
1 face	52551805-...	70	32
2 faces	52551806-...	70	79

Dimensions in mm

INSTALLATION OF MECHANISMS IN MINI-COLUMNS AND COLUMNS

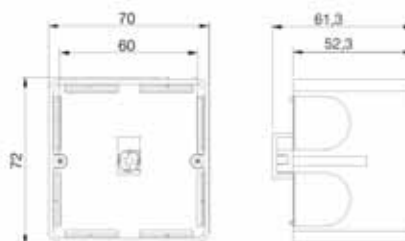
Centre frame and trim frame

Ref. 52550900-...



Universal Box

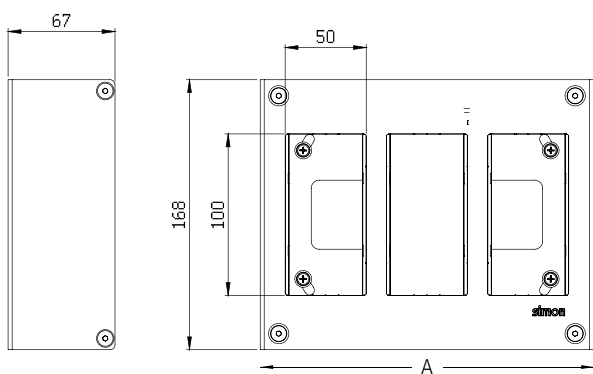
Ref. AL50



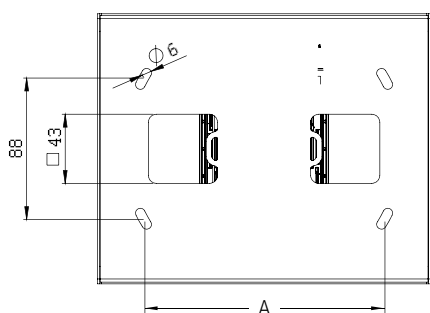
METAL ENCLOSURES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with standard UNE-EN 50.085-1:2006 (for tower) y UNE-EN 60.670-1:2006 (for boxes)
- Frame manufactured in AISI 430 ferritic STAINLESS STEEL
- Aluminium Structure
- Impact resistance: IK10
- Protection level: IP40

Surface box



References	No. of modules	Dimensions A
51000011-036	1	81,5
51000012-036	2	144,5
51000013-036	3	207,5
51000014-036	4	270,5
51000016-036	6	396,5

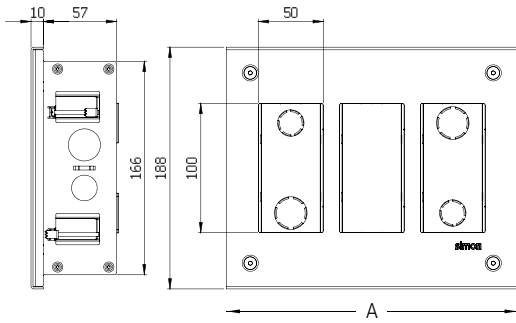


References	No. of modules	Dimensions A
51000011-036	1	43
51000012-036	2	106
51000013-036	3	149
51000014-036	4	212
51000016-036	6	332

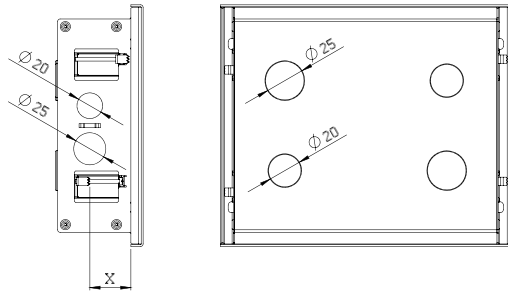
Dimensions in mm

METAL ENCLOSURES

Flush-mount box

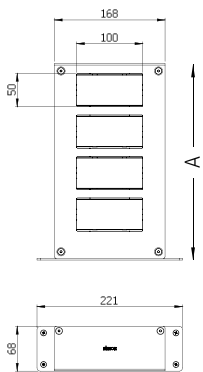


References	No. of modules	Dimensions A
51000111-036	1	100
51000112-036	2	163
51000113-036	3	226
51000114-036	4	289
51000116-036	6	415



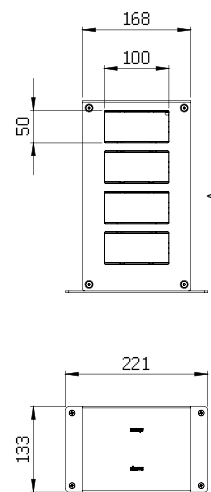
References	No. of modules	X min	X max
51000111-036	1	2	30
51000112-036	2		
51000113-036	3		
51000114-036	4		
51000116-036	6		

Tower 1 face



References	No. of heights	No. of modules	Dimensions A
52510212-036	2	2	172,5
52510213-036	3	3	235,5
52510214-036	4	4	298,5
52510215-036	5	5	361,5

Tower 2 faces



References	No. of heights	No. of modules	Dimensions A
52510222-036	2	4	172,5
52510223-036	3	6	235,5
52510224-036	4	8	298,5

Dimensions in mm

Technical information

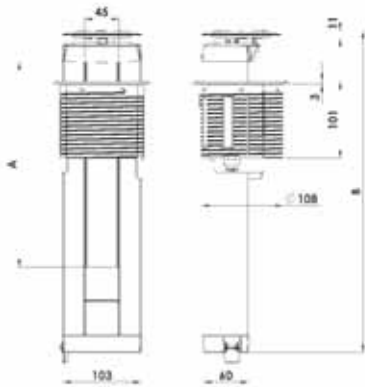
Plastic parts manufactured using thermoplastic, self-extinguishing, halogen-free materials, which prevent flames from spreading during a fire and guarantee low toxicity in the event that any smoke is released.



K45 TELEBLOCK

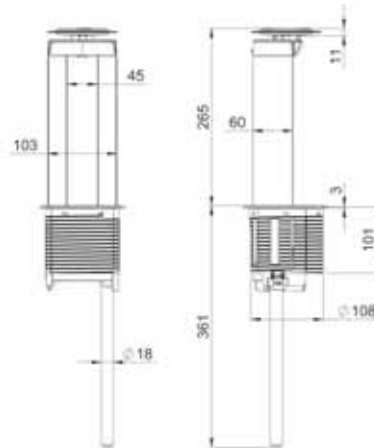
- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through standard UNE-EN-60.670.
- CE marked product.
- IP protection level: 4x.
- The recommended temperature range during installation is: -5°C to + 60°C.
- The maximum temperature during construction work is + 60°C.
- Manufactured in Anodised Aluminium.

K45 TELEBLOCK manual elevation



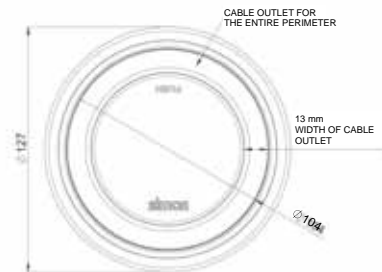
K45 TELEBLOCK automatic elevation

Ref. [KTL205](#)



References	No. of modules K45	Dimensions		Space measurement
		A	B	
KTL202	2	89	242	Ø 114
KTL203	3	135	287	Ø 114
KTL204	4	180	332	Ø 114
KTL205	5	225	377	Ø 114
KTL206	6	269	422	Ø 114

Ref. [KTLA1/..](#)



Spare parts

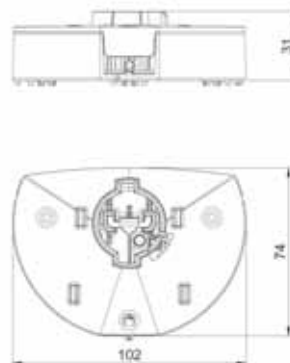
Ref. [KTLA2](#)

Gas cylinder for automatic TELEBLOCK elevation

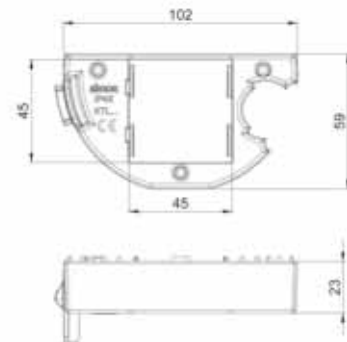


Technical data of gas cylinder:
 Ø 18 – 8 mm
 Piston stroke: 271 mm
 Locking force: 50 N
 Temperature range: -30° C – 80° C

Ref. [KTLA5](#)



Ref. [KTLA6](#)



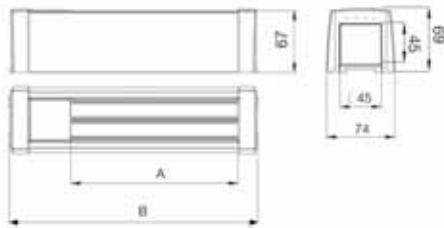
Measurements in mm

K45 OFIBLOCK PLUS

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through standard UNE-EN-60.670.
- CE marked product.
- IP protection level: 4x.

- The recommended temperature range during installation is: - 5°C to + 60°C.
- The maximum temperature during construction work is + 60°C.
- Manufactured in Anodised Aluminium.

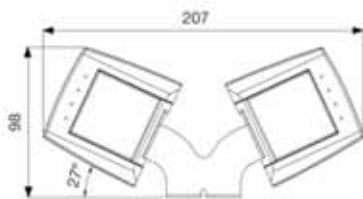
OFIBLOCK PLUS



References	No. of K45 modules	Dimensions	
		A	B
KFP103/..	3	135	220
KFP104/..	4	180	265
KFP105/..	5	225	310
KFP106/..	6	270	355
KFP107/..	7	315	400
KFP108/..	8	360	446

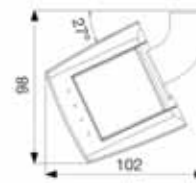
Support on raised floor (tandem configuration)

Ref. KSF2



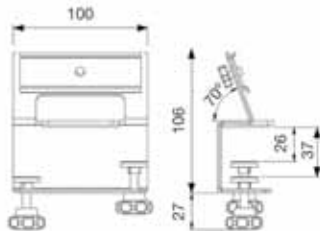
Single support under desk

Ref. KSF1



Desktop support

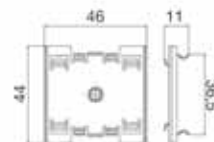
Ref. KSF3



Quick connection and cable outlet plate information on page xxx

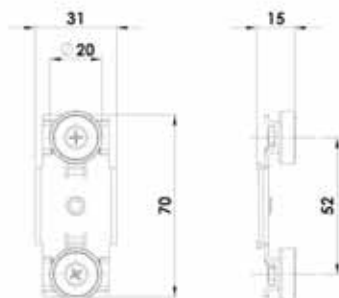
Fastening on DIN guide

Ref. KSF5



Support with magnet

Ref. KSF6



Ø	Height	Weight	Force
20 mm	6 mm	12.5 gr	9 kg

Type of magnet: Neodymium

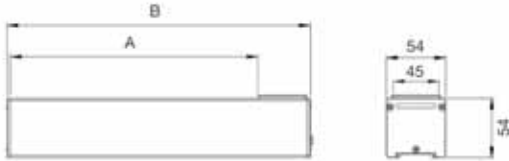
Measurements in mm

Technical information

K45 OFIBLOCK COMPACT

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through standard UNE-EN-60.670.
- CE marked product.
- IP protection level: 4x.
- The recommended temperature range during installation is: - 5°C to + 60°C.
- The maximum temperature during construction work is + 60°C.
- Manufactured in Anodised Aluminium.

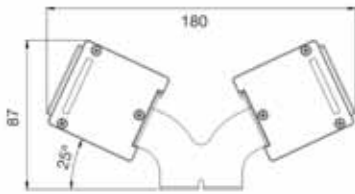
OFIBLOCK COMPACT



References	No. of K45 modules	Dimensions	
		A	B
KFC102/..	2	90	135
KFC103/..	3	135	180
KFC104/..	4	180	225
KFC105/..	5	225	270
KFC106/..	6	270	315
KFC107/..	7	315	360
KFC108/..	8	360	405
KFC109/..	9	405	450
KFC110/..	10	450	495

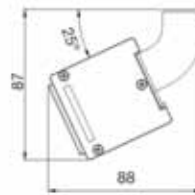
Support on raised floor (tandem configuration)

Ref. KSF2



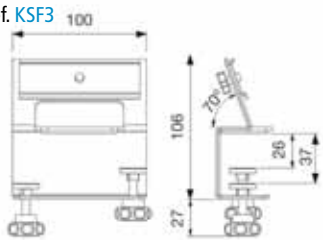
Single support under desk

Ref. KSF1



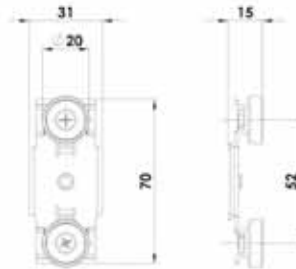
Desktop support

Ref. KSF3



Support with magnet

Ref. KSF6

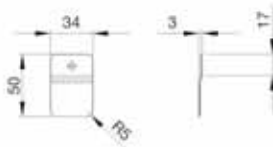


Ø	Height	Weight	Force
20 mm	6 mm	12.5 gr	9 kg

Type of magnet: Neodymium

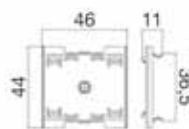
Wall mounting support

Ref. KSF4



Fastening on DIN guide

Ref. KSF5



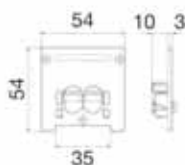
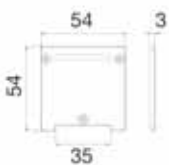
Modular side input covers

Ref. ACFC01/24

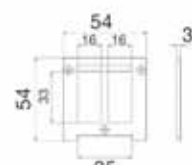
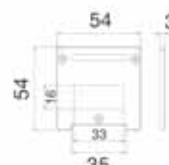
Ref. ACFC02/24

Ref. ACFC03/24

Ref. ACFC04/24

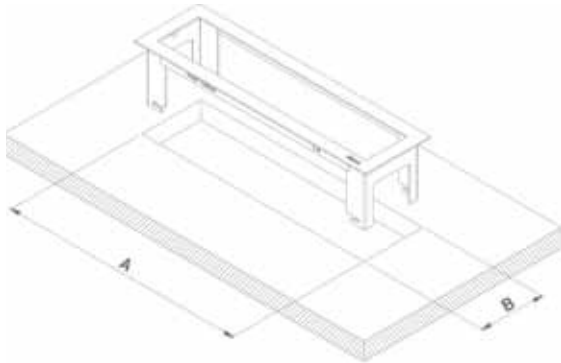


Cable cross-section.
Maximum of Ø 8 mm/
Minimum of Ø 3.5 mm

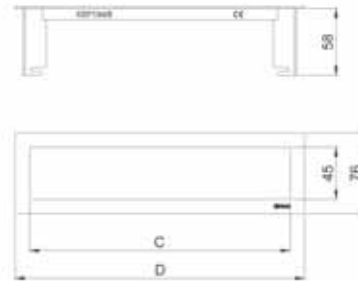


K45 OFIBLOCK LINE

K45 Ofiblock LINE Space

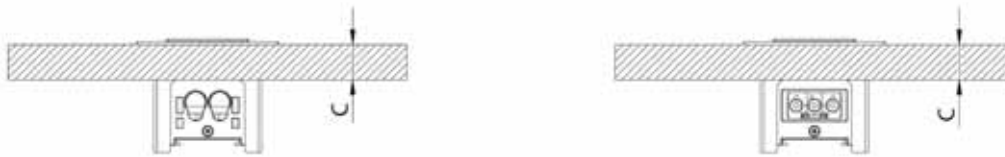


Ofiblock Line K45



References	No. of K45 modules	Dimensions		Dimensions	
		A	B	C	D
KSF134/8	4	240	64	225	256
KSF136/8	6	330	64	315	346

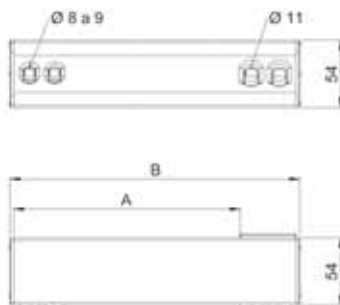
Furniture installation



	Max. thickness of furniture C	Min. thickness of furniture C
Assembled with cable retainer side plate	24	10
Assembled with 1 quick connector	20	

For furniture of more than 24 mm only fit with OFIBLOCK LINE K45, rear cable inlets.

K45 Ofiblock (rear inlet)



References	No. of K45 modules	Dimensions	
		A	B
KFC134/14	4	180	225
KFC136/14	6	270	315

Measurements in mm

Technical information

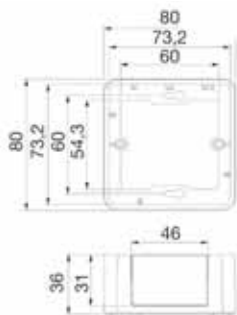
K45 SURFACE AND FLUSH-MOUNT BOXES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through standard UNE-60670.
- CE marked product.
- IP protection level: 4x.

- The recommended temperature range during installation is: - 5°C to + 60°C.
- The maximum temperature during construction work is + 60° C (surface)/+ 90° C (flush-mount).

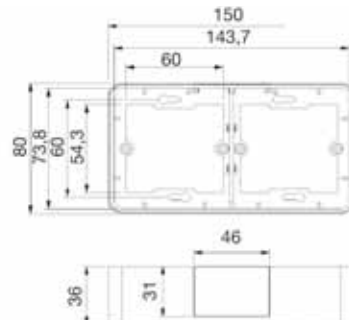
Indiv. Box Surface

Ref. [R250/..](#)



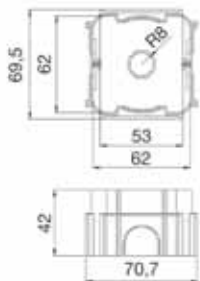
Double surface box

Ref. [R450/..](#)



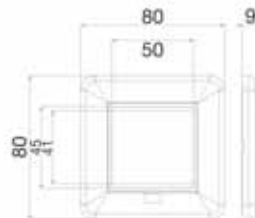
Universal flush-mount box

Ref. [MR200](#)



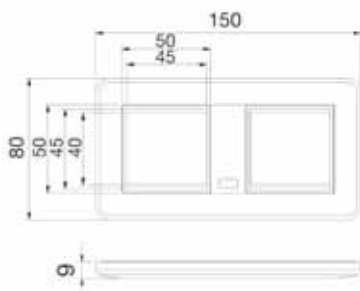
Individual frame and centre frame

Ref. [KR245/..](#)



Double frame and centre frame

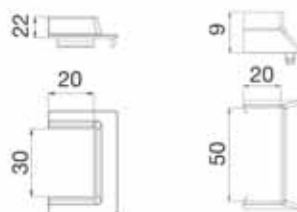
Ref. [KR445/..](#)



Access to Mini-trunking

Ref. [SCM21F/9](#)

Ref. [SCM31F/9](#)



Measurements in mm

K45 IP 66 WATERTIGHT FLOOR BOXES

- Product designed according the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with harmonised standard UNE-EN-60.670.
- CE marked product.
- The recommended temperature range during installation is: -25°C to + 60°C.
- The maximum temperature during construction work is + 90°C.

CLOSED BOX

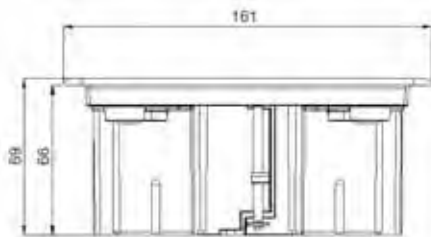
- IP66 protection level.
- Impact protection level IK07 (with IP66).
- Maximum load per unit of area: 12 kg/cm².
- Total maximum load: 1000 Kg.

OPEN BOX

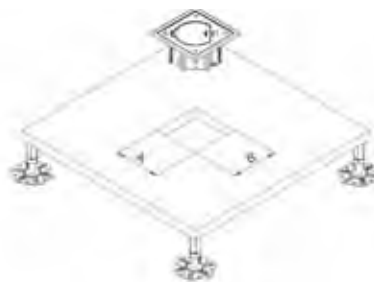
- IP20 protection level .
- Impact protection level IK0.
- Maximum load per unit of area: 4 kg/cm².
- Total maximum load: 100 Kg.

Raised floor tray

Ref. [KGE170TF/23](#)



Raised floor installation

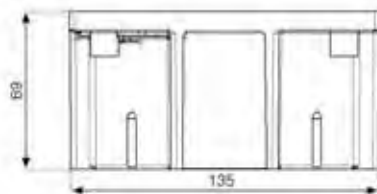


Dimensions
AxB

145X145

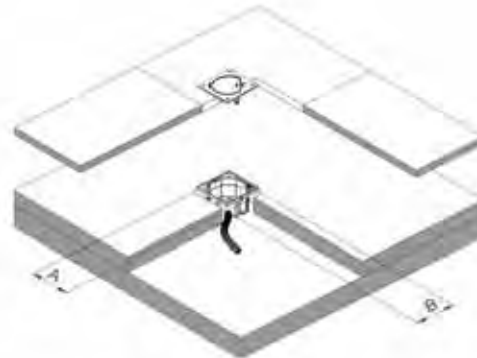
Paved Floor Tray

Ref. [KGE170/23](#)



Safety lock: Allen key 6mm.

Paved floor installation

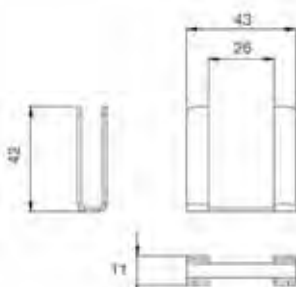


Dimensions
AxB

135X135

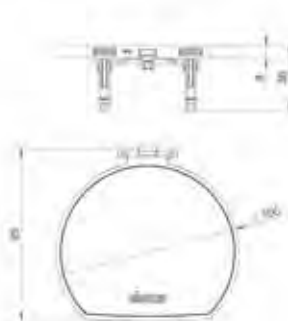
Connecting accessory

Ref. [ACSE](#)



Spare parts

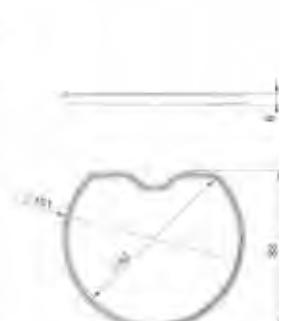
Ref. [RKS001/..](#)



Ref. [RKS003](#)



Ref. [RKS004](#)



Technical information

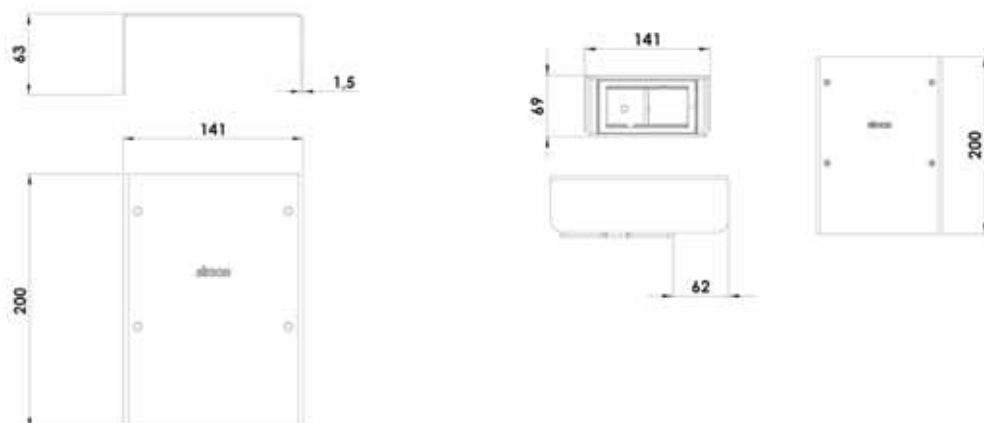
K45 ANTI-VANDALISM MINI-TOWERS

- Product designed according the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with harmonised standard UNE-EN-50.085.
- CE marked product.
- Manufactured in anodised aluminium and stainless steel.
- IP protection level: 4x.
- The recommended temperature range during installation is: - 25°C to + 120°C.
- The maximum temperature during construction work is + 120°C.

Mini-tower with protective sheath

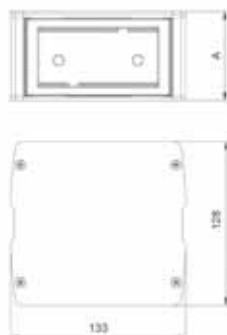
Ref. [KTA401/8](#)

Ref. [KT401/8](#)



Mini-towers

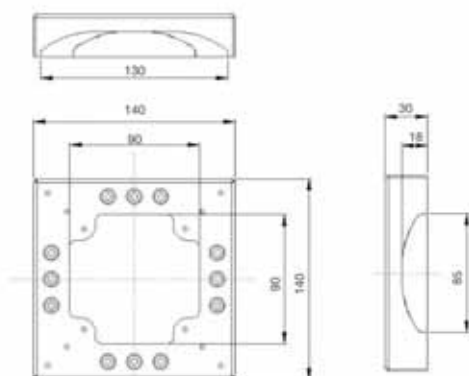
Ref. [KTXXX/8](#)



References	K45 mechanisms	Height A	Impact resistance
KT400/8	2	70	IK10
KT800/8	4	130	IK10
KT1200/8	6	190	IK08

Base

Ref. [KTA804/8](#)



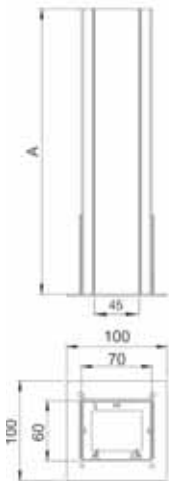
Measurements in mm

K45 MINI-COLUMNS AND COLUMNS

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through standard UNE-EN-50.085.
- CE marked product.
- IP protection level: 4x.
- The recommended temperature range during installation is: - 25°C to + 120°C.
- The maximum temperature during construction work is + 120°C.
- Manufactured in Anodised Aluminium/Painted.

Mini-columns

Ref. **ALK1XX/8**
1 Side



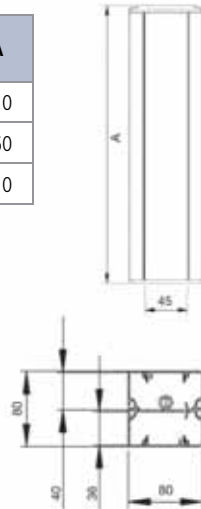
No. Mech.	A
5	270
6	315
7	360

Ref. **ALK7XX/8**
2 Sides oval



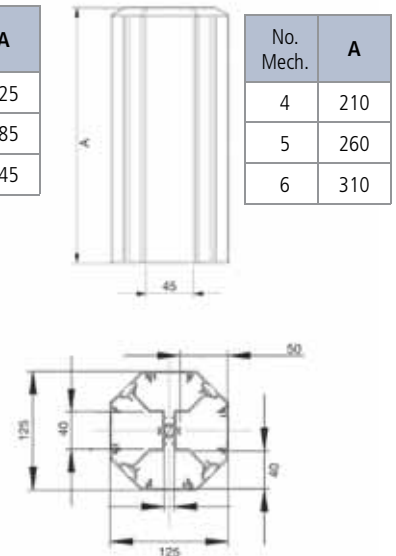
No. Mech.	A
4	210
5	260
6	310

Ref. **ALK2XX/8**
2 Sides square



No. Mech.	A
4	225
5	285
7	345

Ref. **ALK5XX/8**
4 Sides

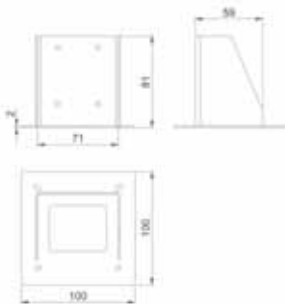


No. Mech.	A
4	210
5	260
6	310

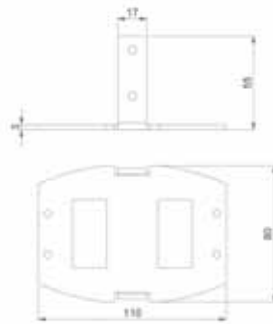
Spare Parts Mini-columns

Invisible fixed foot

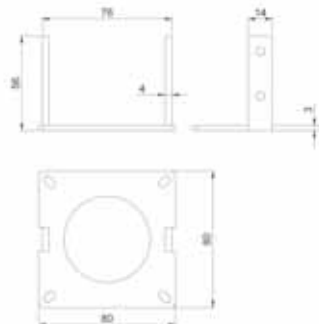
Ref. **RALK005/8**



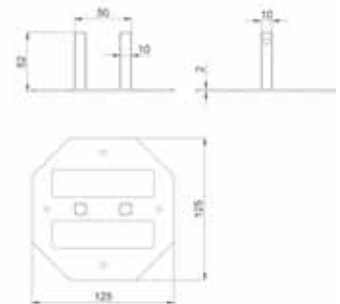
Ref. **RALK006/8**



Ref. **RALK007/8**

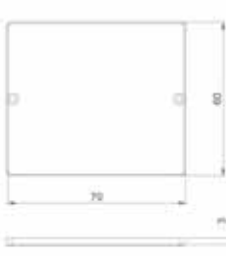


Ref. **RALK008/8**



End cover

Ref. **RALK009/8**



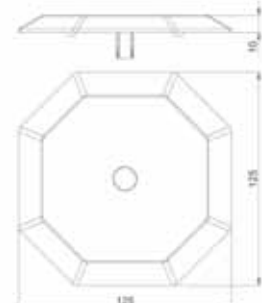
Ref. **RALK010/8**



Ref. **RALK011/8**



Ref. **RALK012/8**



Measurements in mm

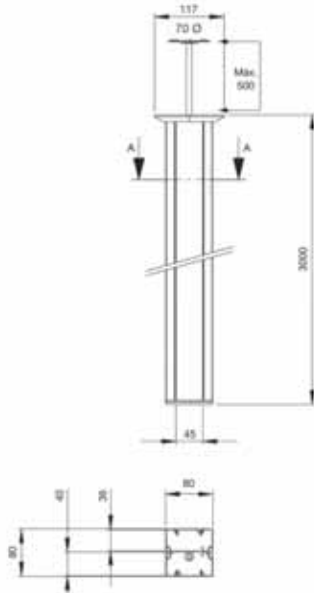
K45 MINI-COLUMNS AND COLUMNS

Columns

Ref. [ALK1100/8](#)
1 Side



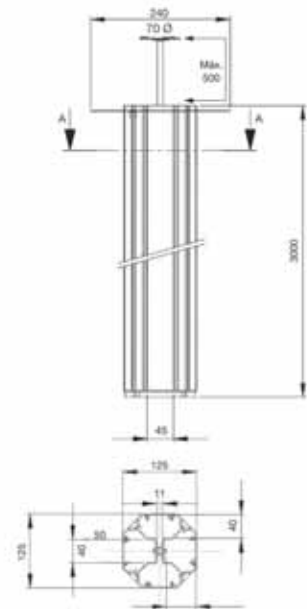
Ref. [AL2200/8](#)
2 Sides square



Ref. [ALK7200/8](#)
2 Sides oval



Ref. [ALK5400/8](#)
4 Sides



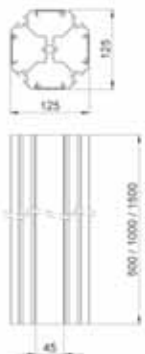
N.B.
500 mm telescopic guide, maximum length

Column Extensions

Ref. [ALK22PXX/8](#)



Ref. [ALK54PXX/8](#)



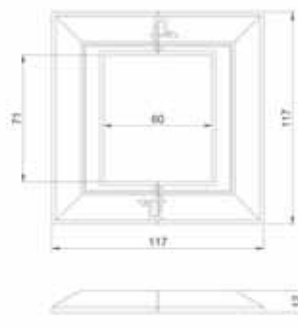
Ref. [ALK72PXX/8](#)



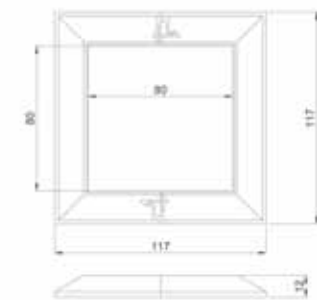
Column spare parts

Ring trim

Ref. [RALK001/8](#)



Ref. [RALK002/8](#)

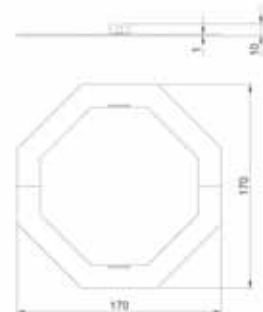
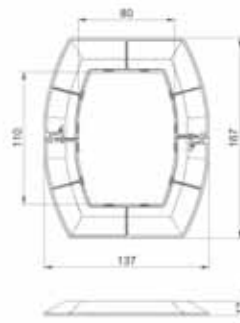


Front cover

Ref. [RALK013/8](#)



Ref. [RALK014/8](#)



Measurements in mm

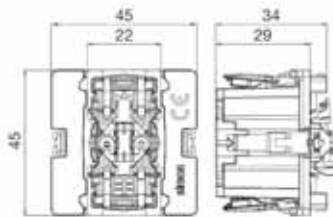
SINGLE POLE, 16A SWITCHING MECHANISMS

- Product designed according to the Safety Requirements of Directive 2006/5/EC (Low Voltage) through standard UNE-EN-60669.

- CE marked product.
- Electrical specifications: 16AX / 250V~.

Mechanisms

Ref. [K301](#) Ref. [K302](#) Ref. [K303](#) Ref. [K304](#)



Connection schematics			
Ref. K301	Ref. K302	Ref. K303	Ref. K304

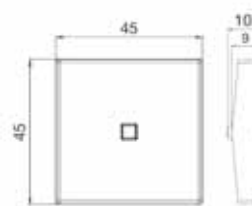
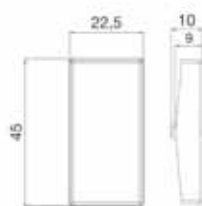
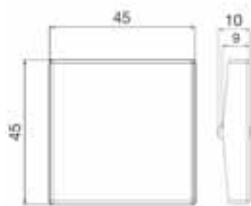
Buttons

Ref. [K110/..](#)

Ref. [K109/..](#)

Ref. [K112/..](#) Ref. [K114/..](#)

Ref. [K113/..](#) Ref. [K115/..](#)

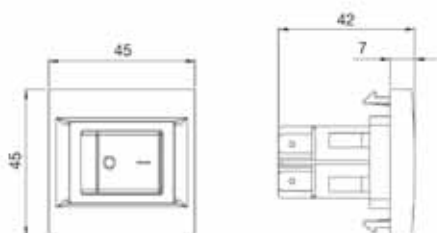


16A BIPOLAR SWITCHES

- Product designed according to the Safety Requirements of Directive 2006/5/EC (Low Voltage) through standard UNE-EN-60669.

- CE marked product.
- Electrical specifications: 16AX / 250V~.

Ref. [K125A/..](#) Ref. [KL04/..](#)



Connection schematics	
Ref. K125A	Ref. KL04

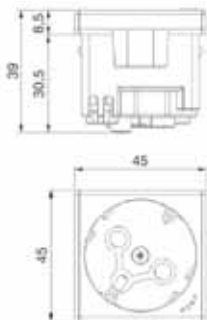
Measurements in mm

Technical information

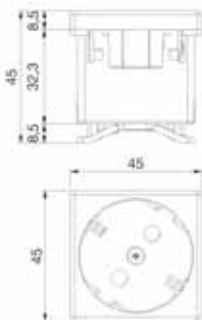
K45 ELECTRICAL SOCKETS

- Product designed according to Spanish standard UNE-20.315 (Schuko sockets) or NF C 61-303 (French sockets).
- Electrical specification: 16A / 250V~.
- IP protection level: 20.

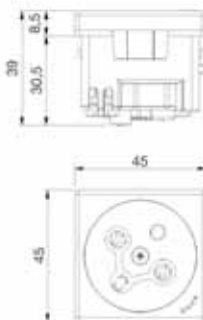
Ref. K02/.. - K01/.. - KL02/.. - KL01/..



Ref. K11/.. - KS11/..



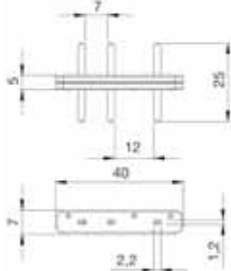
Ref. KLS02/.. - KLS01/..



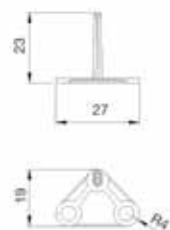
Ref. K22/.. - KS22/..



Ref. AC11

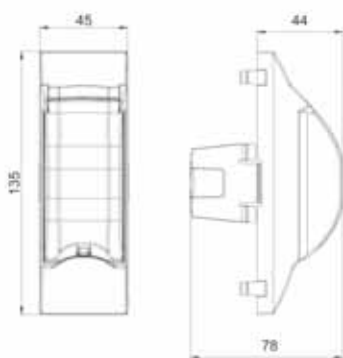


Ref. AC33

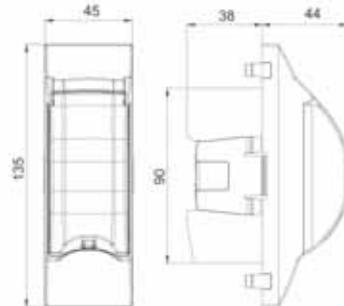


K45 PROTECTION ELEMENTS

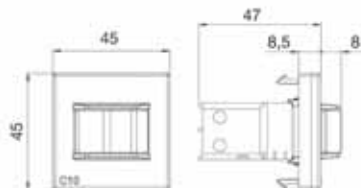
Ref. KF03/..



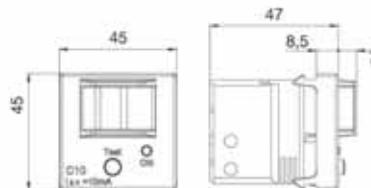
Ref. KF04x/..



Ref. K106A/..



Ref. K107A/..

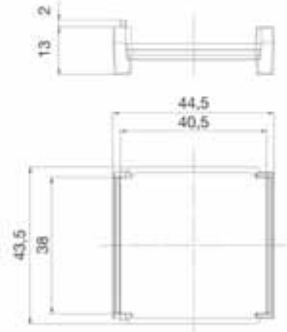


Measurements in mm

K45 VOICE AND DATA PLATES

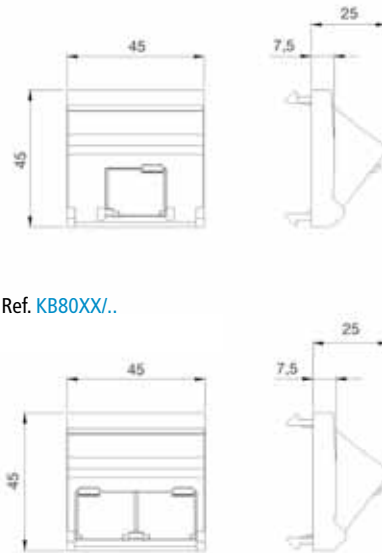
Positioner 90°

Ref. **K66**

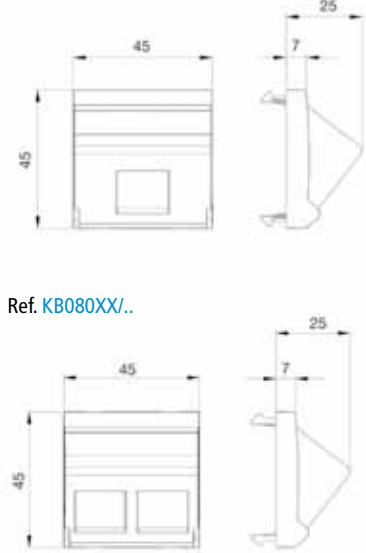


Angled plates

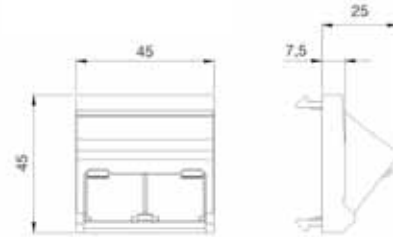
Ref. **K80XX/..**



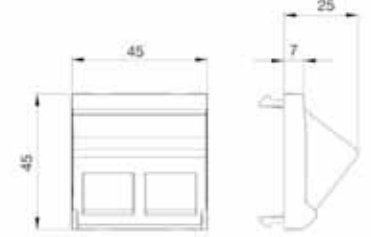
Ref. **K080XX/..**



Ref. **KB80XX/..**

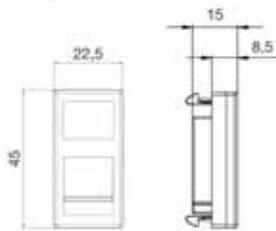


Ref. **KB080XX/..**

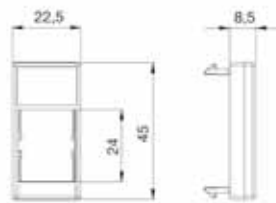


Flat plates

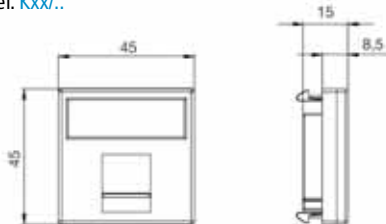
Ref. **KAXX/..**



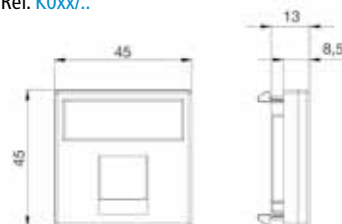
Ref. **K281/..**



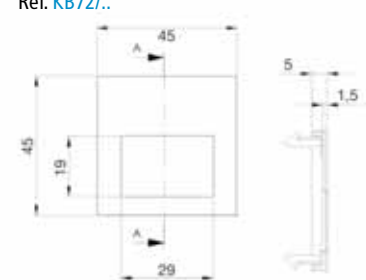
Ref. **Kxx/..**



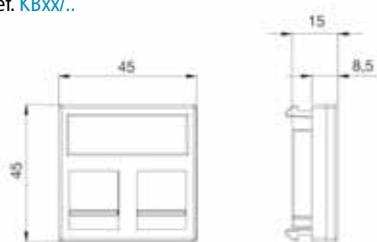
Ref. **K0xx/..**



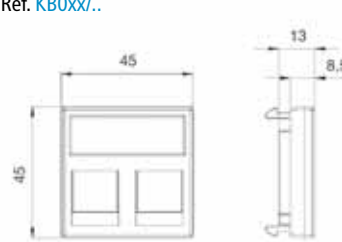
Ref. **KB72/..**



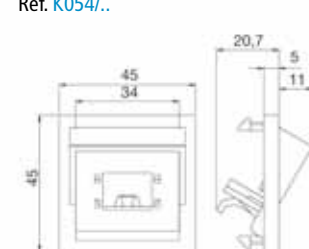
Ref. **KBxx/..**



Ref. **KB0xx/..**



Ref. **K054/..**

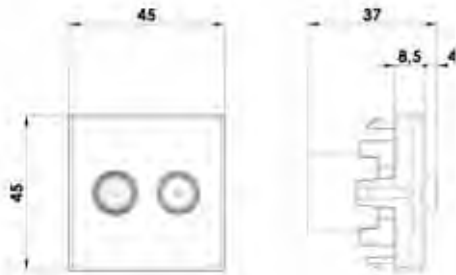


Measurements in mm

Technical information

K45 TV AND SAT PLATES

Ref. K130A/..



Single 5-2400 MHz direct TV-SAT socket, made up of:
 - One IEC male TV connector, Ø 9.5 mm
 - One type-F female SAT connector

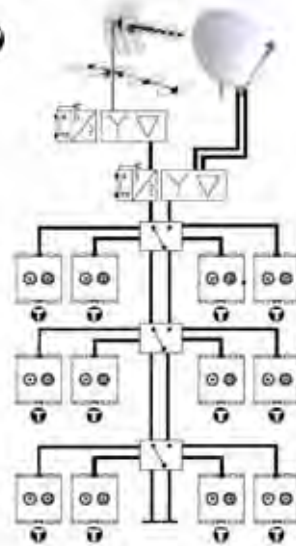
Technical specifications:

- Tapping attenuation = 2 dB
- Maximum through current = 24 V, 500 mA (*)
- Accepted cable diameter = 4 ÷ 7 mm
- Operating temperature range = 10 ÷ 55 °C
- According to general standard EN 50083-4
- Male connector according to IEC 61169-2
- Female connector according to IEC 61169-24

(*) Direct current and control signals (max. 24 V 500 mA) are only allowed through the F female connector

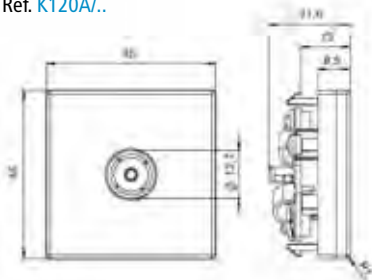
Example of TV-SAT installation on one branch

Single socket

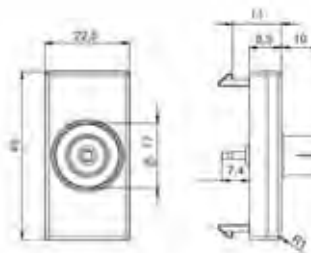


Insertion loss		Tapping loss	
TV	SAT	TV	SAT
47÷862 MHz	950÷2400 MHz	47÷862 MHz	950÷2400 MHz
-	-	= 2	= 2

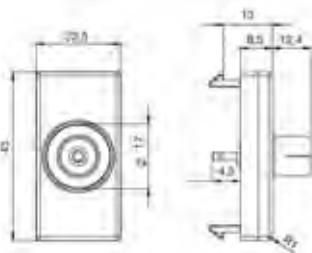
Ref. K120A/..



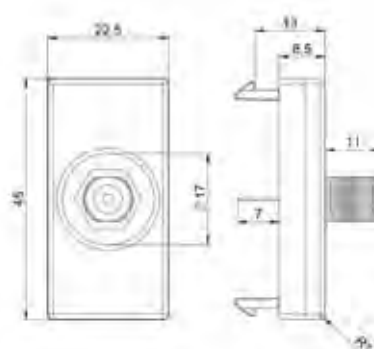
Ref. K120B/..



Ref. K120C/..



Ref. K102C/..

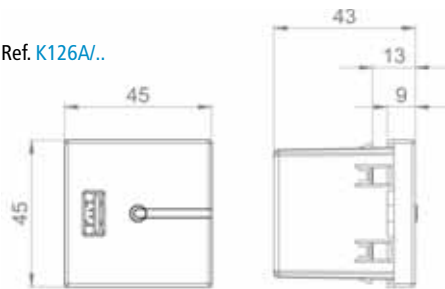


Measurements in mm

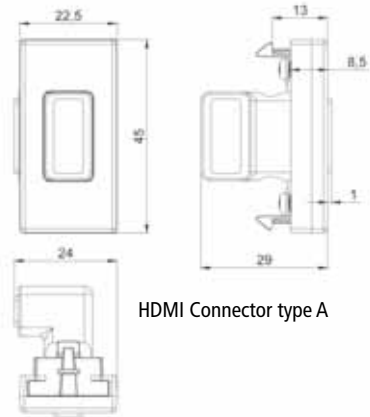
K45 MULTIMEDIA PLATES

Multimedia. Screw connection

Ref. K126A/..

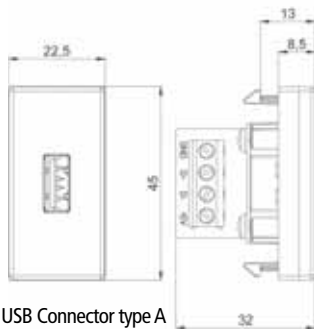


Input: V = 230 VAC ± 20% 47 ÷ 63 Hz
Output: V = 5 VDC ± 10% I = 2 A
External DC connection: 1 USB-A female port

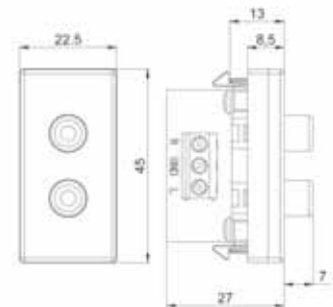
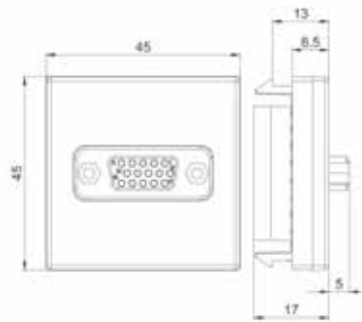


HDMI Connector type A

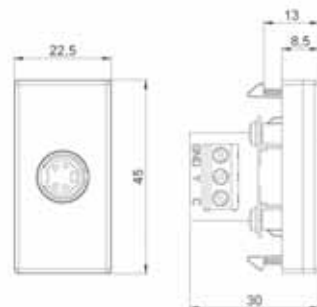
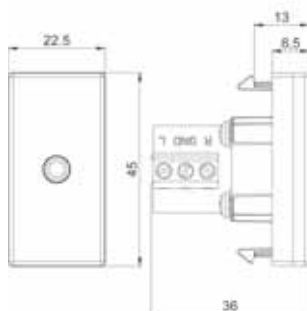
Ref. K100B/..



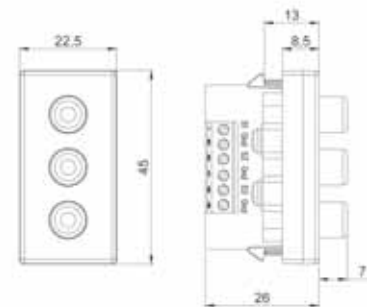
USB Connector type A



Ref. K103B/..



Ref. K105B/..



Measurements in mm

Technical information

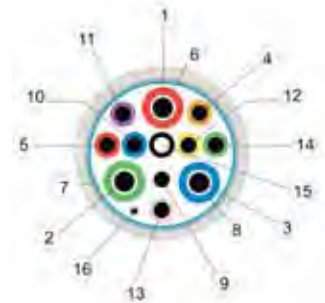
K45 MULTIMEDIA PLATES

Multimedia connectors supplementary information. Screw connection

VGA Ref. [K100B/..](#)

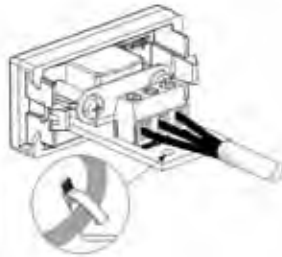
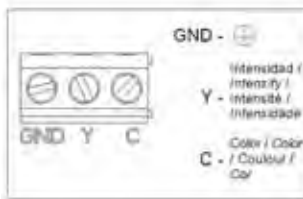


Pin N	Plate engraving	Description
1	Red	Red Coax
2	Green	Green Coax
3	Blue	Blue Coax
4	IDB2	ID Bit 2
5	Gnd	Gnd (HSYNC)
6	GndR	Gnd Red
7	GndG	Gnd Green
8	GndB	Gnd Blue
9	Key	Key (N/C)
10	SGnd	Gnd (VSYNC)
11	IDB0	ID Bit 0 (Gnd)
12	IDB1	ID Bit 1 (SDA)
13	HSYNC	HSYNC
14	VSYNC	VSYNC
15	IDB3	ID Bit 3 (SCL)
16	SGnd	⊕

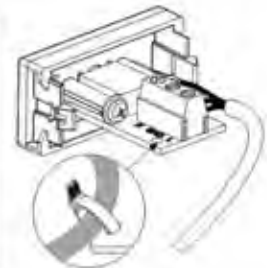
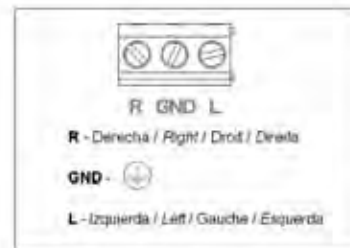


Supplementary information

SVIDEO Ref. [K103B/..](#)

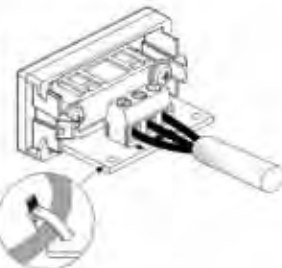


MINI JACK Ref. [K123B/..](#)

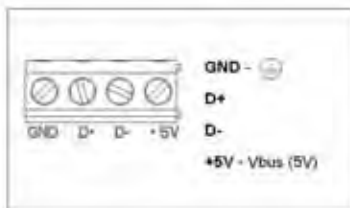


RCA

2 RCA Ref. [K101B/..](#)



USB Ref. [K128B/..](#)



3 RCA Ref. [K105B/..](#)



HDMI Ref. [K129B/..](#)



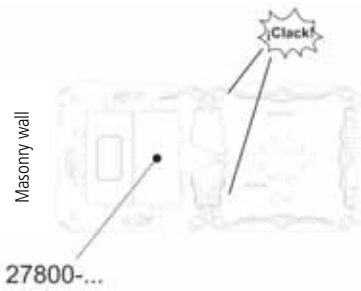
Measurements in mm

K45 MULTIMEDIA PLATES

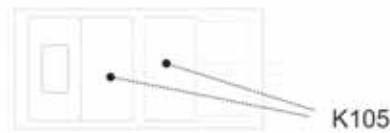
Installation examples

HDMI Ref. K129B/..

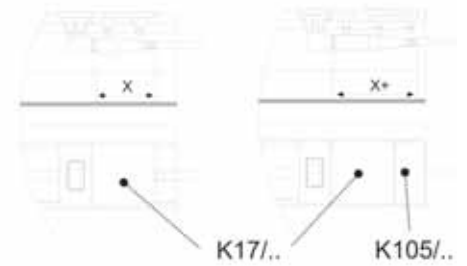
Simon 27



CIMA

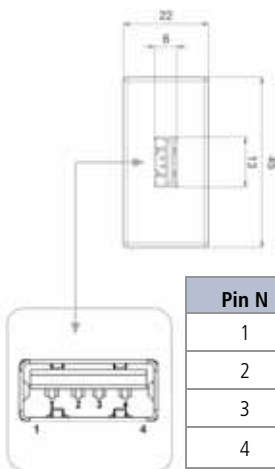


K45

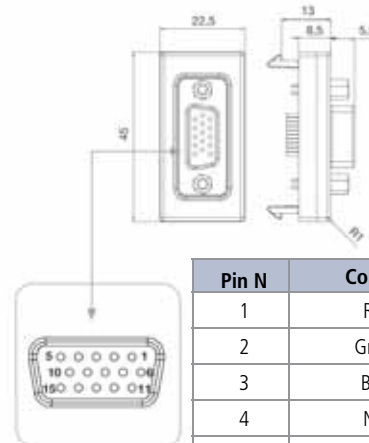


Multimedia. Soldered connection

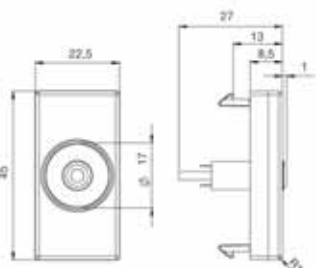
Ref. K128A/..



Ref. K100A/..



Ref. K123A/..



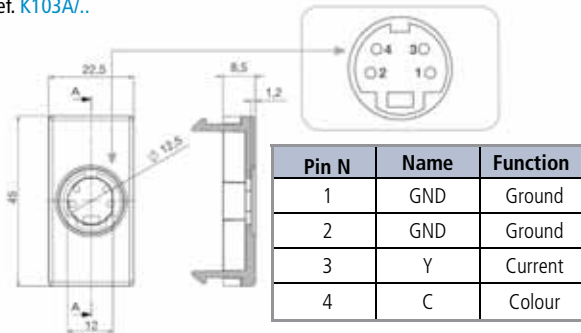
On stereo jacks	
TIP	Left channel (L)
RING	Right channel (R)
SOCKET	Ground (GND)

Measurements in mm

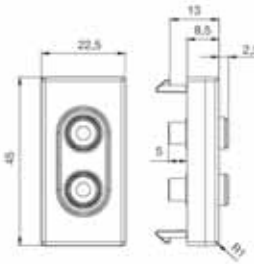
Technical information

K45 MULTIMEDIA PLATES

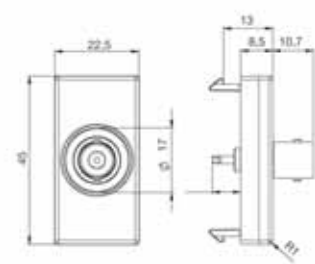
Ref. K103A/..



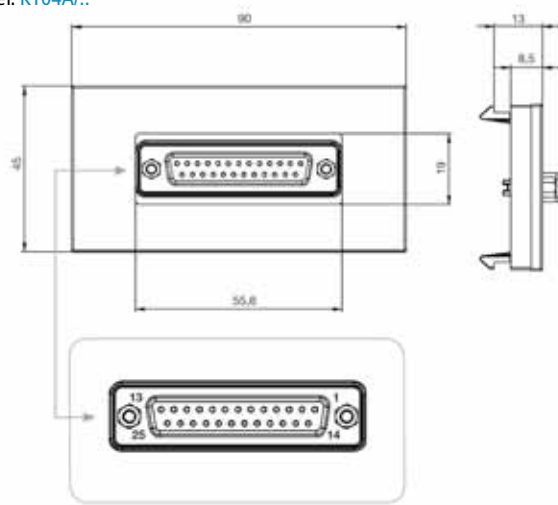
Ref. K101A/..



Ref. K102D/..



Ref. K104A/..



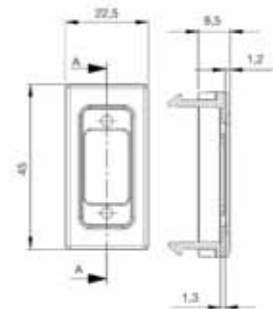
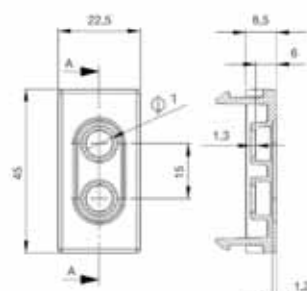
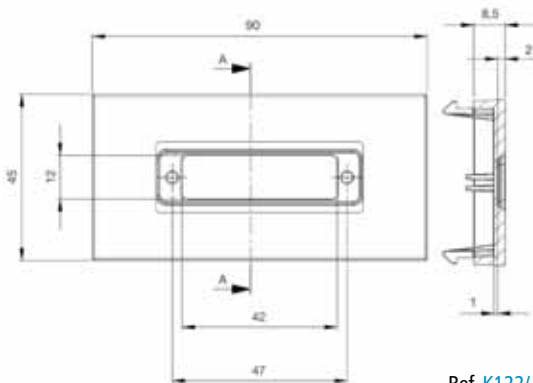
K45 MULTIMEDIA PLATES

Multimedia. No connectors

Ref. K104/..

Ref. K101/..

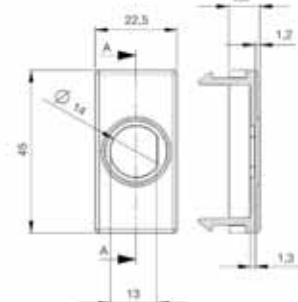
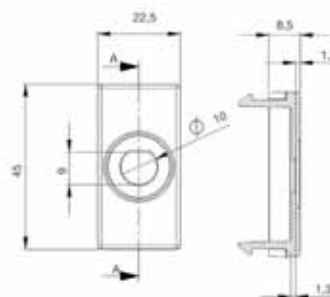
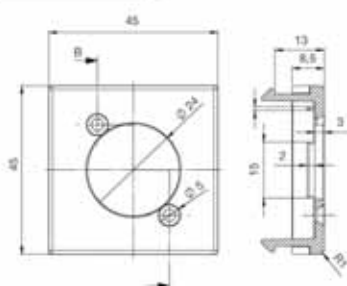
Ref. K100/..



Ref. K122/..

Ref. K102/..

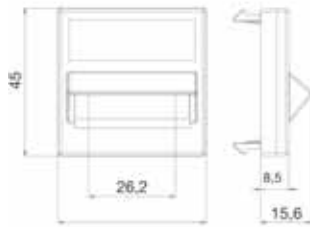
Ref. K103/..



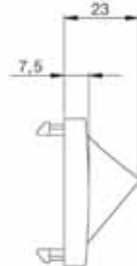
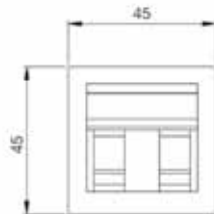
Measurements in mm

K45 PLATES FOR FIBER OPTIC

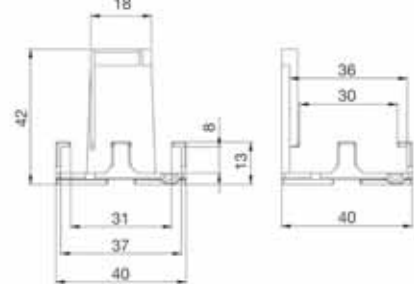
Ref. **K74/..**



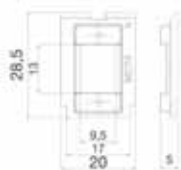
Ref. **KB74/..**



Ref. **AC80**

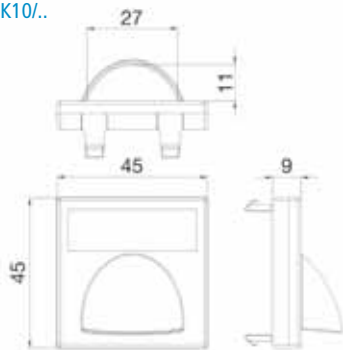


Ref. **MD74**



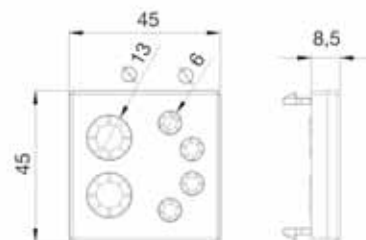
K45 CABLE OUTPUT PLATES

Ref. **K10/..**

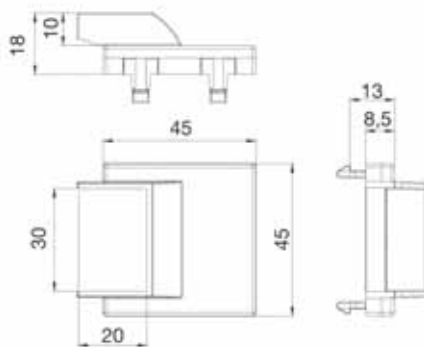


Cable cross-section: 2005 mm²

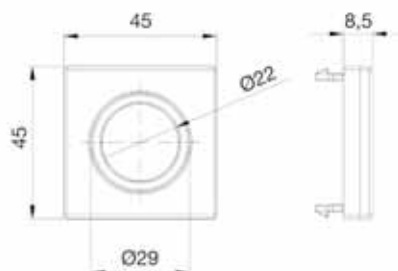
Ref. **K20/..**



Ref. **K21/..**



Ref. **K19/..**

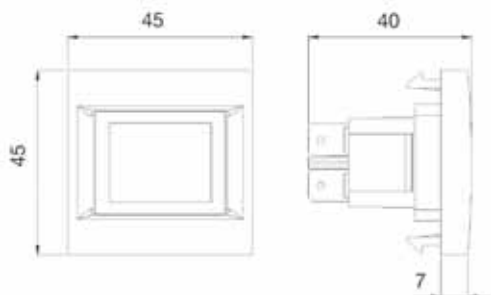


Measurements in mm

Technical information

K45 SIGNALLING AND BEACONING PLATES

Ref. KL05/..



Connection schematics

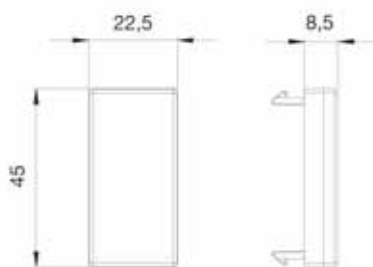
Ref. KL05/..



K45 BLIND PLATES

Ref. K105/..

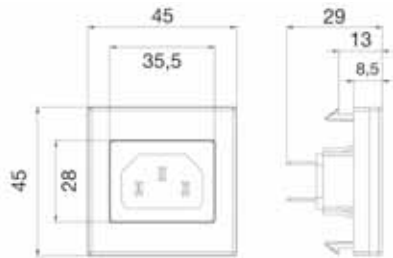
Ref. K17/..



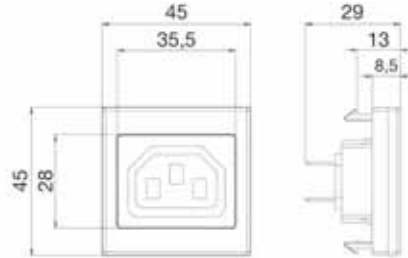
Measurements in mm

K45 QUICK CONNECTION PLATES

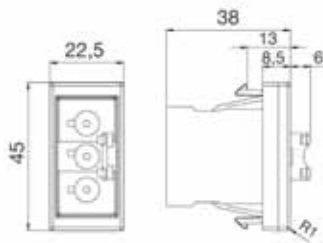
Ref. K305A/..



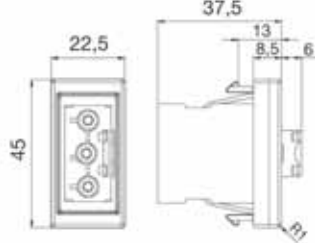
Ref. K306A/..



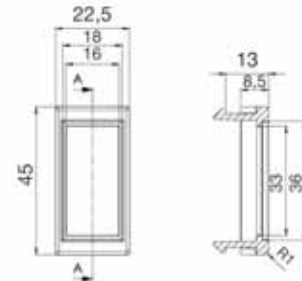
Ref. K101A/..



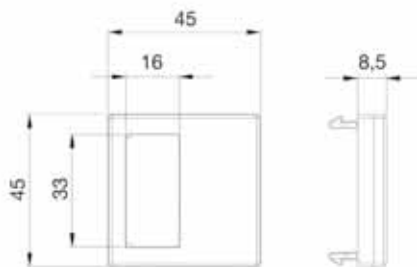
Ref. K121B/..



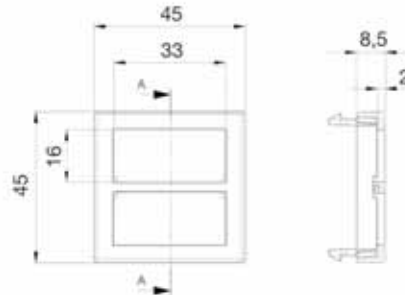
Ref. K121/..



Ref. K18/..

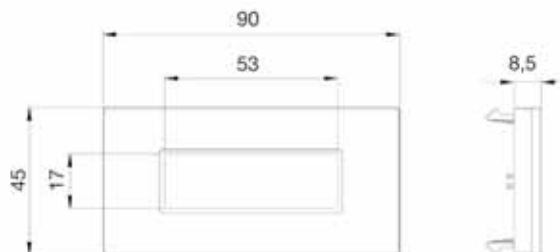


Ref. KB18/..



- For connectors with clips that are 1.5 to 2 mm thick.

Ref. K18W5/..

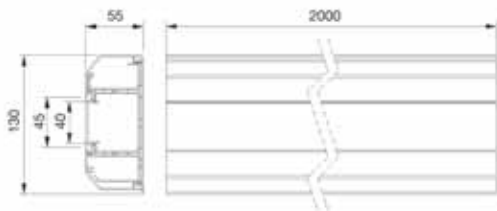


Technical information

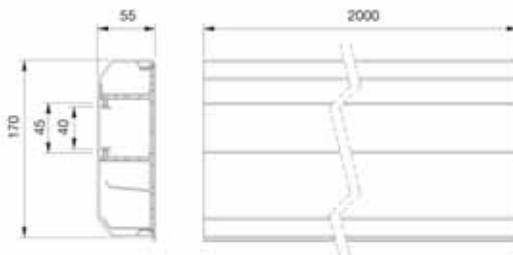
PVC AND ALUMINIUM K45 TRUNKING

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through standard UNE-EN-50.085.
- Compliant with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations".
- CE marked product.
- IP protection level: 4x.
- Manufactured using thermoplastic and/or anodised aluminium material, which guarantees the non-propagation of flames in the event of a fire.

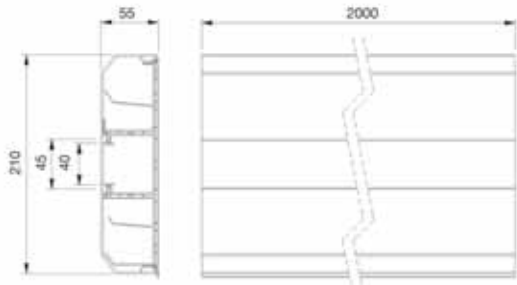
Ref. TK01103/8 - TK02103/9 130x55



Ref. TK01133/8 - TK02133/9 170x55

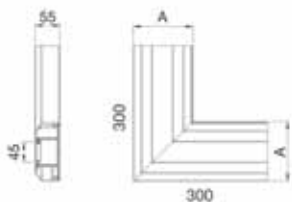


Ref. TK01163/8 - TK02163/9 210x55



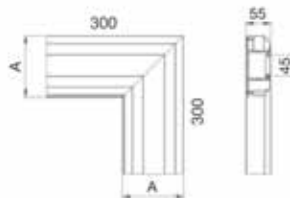
K45 PVC AND ALUMINIUM CABLOMAX ACCESSORIES

Upward flat angle piece



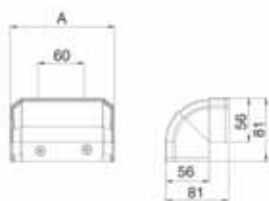
Trunking	A
130x55	134
170x55	174
210x55	213

Downward flat angle piece



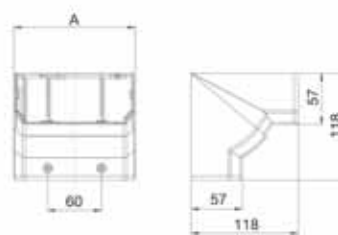
Trunking	A
130x55	134
170x55	174
210x55	213

External angle piece



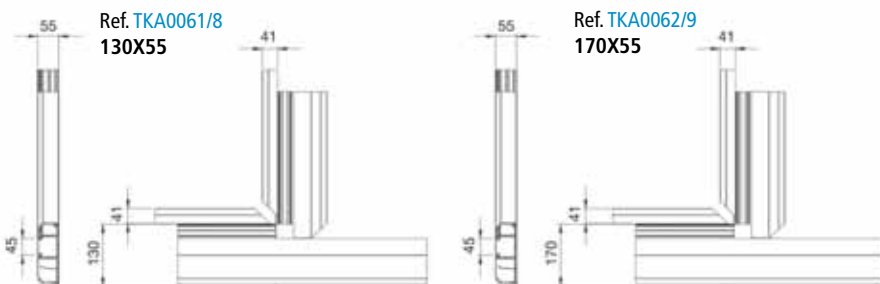
Trunking	A
130x55	134
170x55	173
210x55	214

Internal angle piece



Trunking	A
130x55	134
170x55	174
210x55	214

T junction



End cover

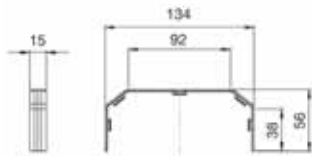
Trunking	A
130x55	134
170x55	174
210x55	214

Measurements in mm

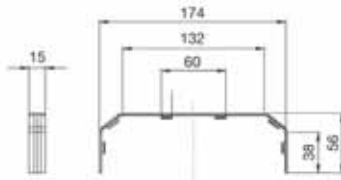
PVC AND ALUMINIUM K45 TRUNKING PVC AND ALUMINIUM CABLOMAX ACCESSORIES

Sealing ring

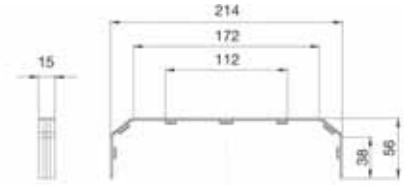
Ref. [TKA005210/..](#) 130x55



Ref. [TKA005213/..](#) 170x55



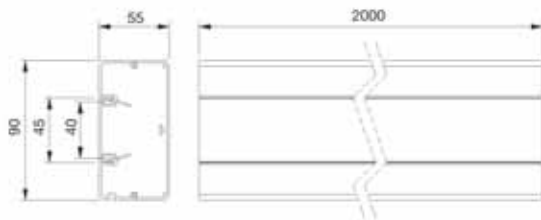
Ref. [TKA005216/..](#) 210x55



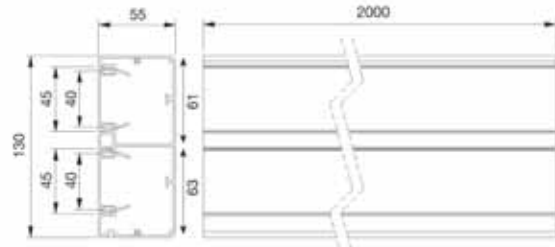
PVC K45 TRUNKING

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through standard UNE-EN-50.085.
- Compliant with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations".
- CE marked product.
- IP protection level: 4x.
- Resistance level: IK07, medium.
- Manufactured out of thermoplastic material, which guarantees the non-propagation of flames in the event of a fire.

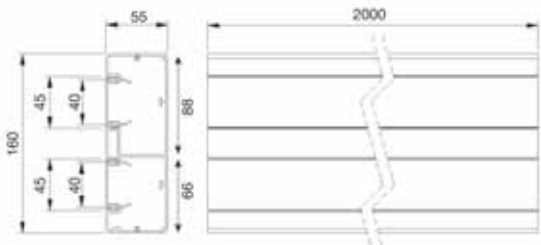
Ref. [TK12081/9](#) 90x55



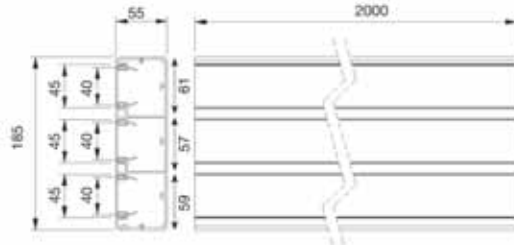
Ref. [TK12102/9](#) 130x55



Ref. [TK12122/9](#) 160x55



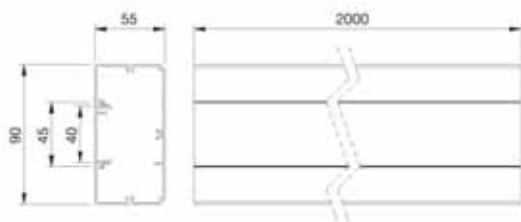
Ref. [TK12143/9](#) 185x55



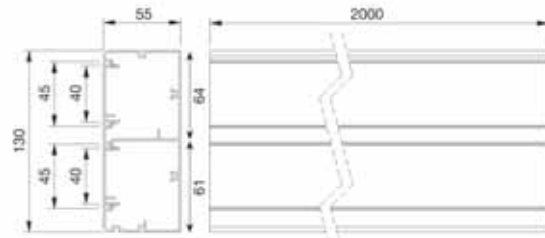
ALUMINIUM K45 TRUNKING

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through standard UNE-EN-50.085.
- Compliant with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations".
- CE marked product.
- IP protection level: 4x.
- Sections made from anodised aluminium with painted aluminium accessories.

Ref. [TK11081/8](#) 90x55 compartment



Ref. [TK11102/8](#) 130x55 compartments

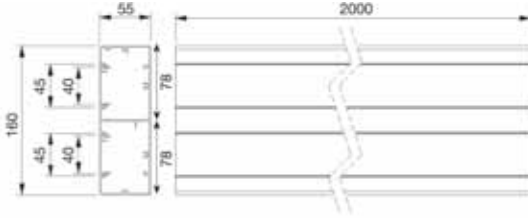


Measurements in mm

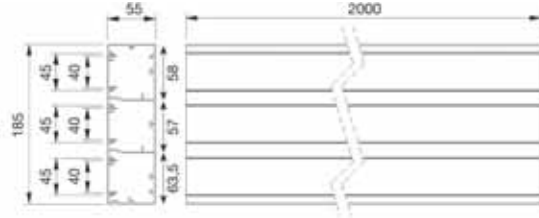
Technical information

ALUMINIUM K45 TRUNKING

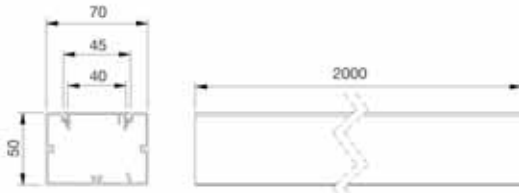
Ref. [TK11122/8](#) 160x55 2 compartments



Ref. [TK11143/8](#) 185x55 3 compartments

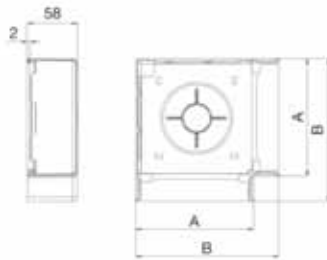


Ref. [TK11071/8](#) 70x50 1 compartment



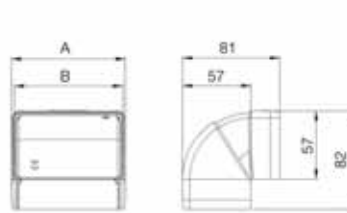
K45 PVC AND ALUMINIUM COMMON ACCESSORIES

Flat angle piece



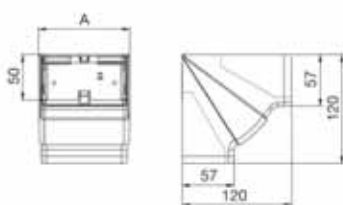
Trunking model	A	B
90x55	95	123
130x55	134	163
160x55	164	195
185x55	190	219

External angle piece



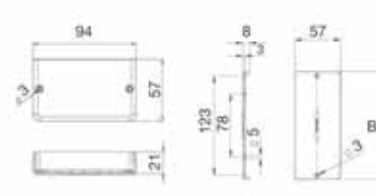
Trunking model	A	B
90x55	95	90
130x55	136	130
160x55	164	160
185x55	187	185

Internal angle piece



Trunking model	A
90x55	94
130x55	134
160x55	168
185x55	189

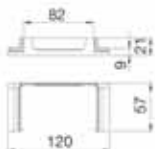
End cover



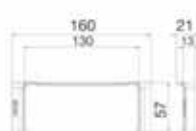
Trunking model	B
90x55	94
130x55	134
160x55	163
185x55	188

T junction

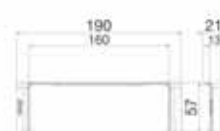
Ref. [TKA106208/..](#) to 90x55



Ref. [TKA106210/..](#) at 130x55

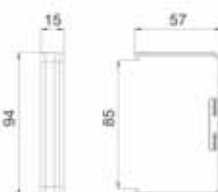


Ref. [TKA106212/..](#) at 160x55

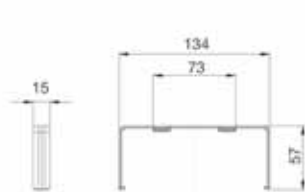


Sealing ring

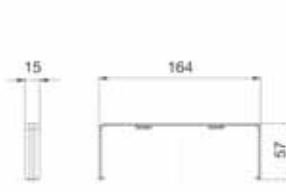
Ref. [TKA105208/..](#) 90x55



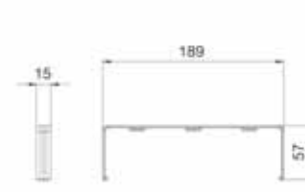
Ref. [TKA1305508/..](#) 130x55



Ref. [TKA105212/..](#) 160x55



Ref. [TKA105214/..](#) 185x55



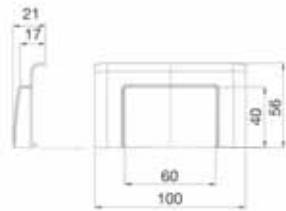
Measurements in mm

ALUMINIUM K45 TRUNKING

K45 PVC AND ALUMINIUM COMMON ACCESSORIES

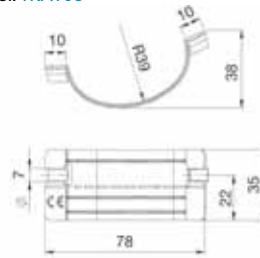
Branch to Mini-trunking

Ref. [TKA107/9](#)



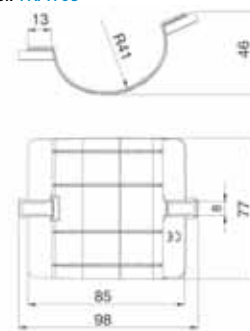
Flat radius of curvature

Ref. [TKA108](#)



Outer radius of curvature

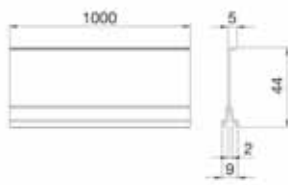
Ref. [TKA109](#)



FUNCTIONAL ACCESSORIES

PVC inner divider (45 mm)

Ref. [TKA902](#)



Section connecting pin

Ref. [TKA903](#)



Cable with faston connector for 120 mm earth connection

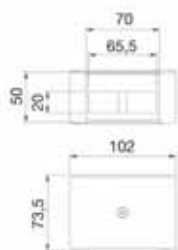
Ref. [TKA904](#)



ACCESSORIES FOR 70X50 STAINLESS-STEEL TRUNKING

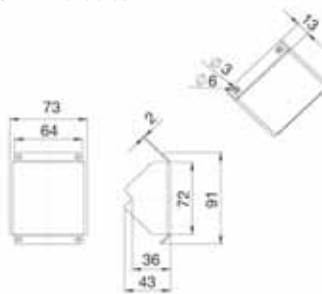
Flat angle piece and branch

Ref. [TKA101307/8](#)



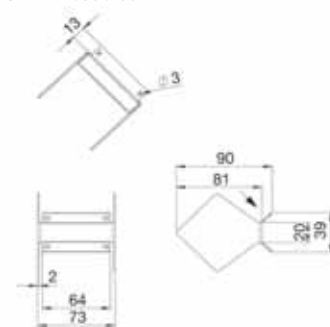
Fixed external angle piece

Ref. [TKA102307/8](#)



Fixed internal angle piece

Ref. [TKA103307/8](#)



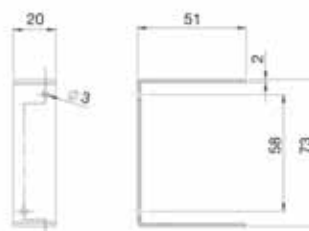
End cover

Ref. [TKA104307/8](#)
Ref. [TKA104207/24](#)



Sealing ring

Ref. [TKA105307/8](#)



Measurements in mm

Technical information

PVC CABLE ADAPTER TRUNKING

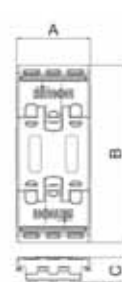
- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through standard UNE-EN-50.085.
- Compliant with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations".
- CE marked product.
- IP protection level: 4x.
- Resistance level: IK07, medium.
- Manufactured out of thermoplastic material, which guarantees the non-propagation of flames in the event of a fire.

Cable Adapter Trunking



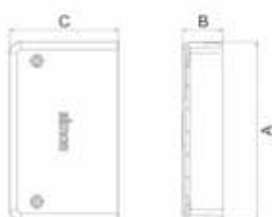
Reference	A	B	C
TS9055/9	90	55	2000
TS13055/9	130	55	2000
TS16055/9	160	55	2000
TS18555/9	185	55	2000

Cable retainer



Reference	A	B	C
TSA905501	30.5	73	10.1
TSA1305501	30.5	113	10.1
TSA1605501	30.5	143	10.1
TSA1855501	30.5	168	10.1

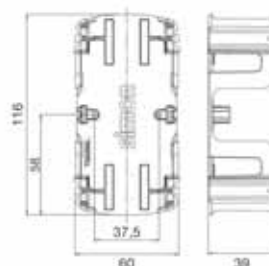
End cover



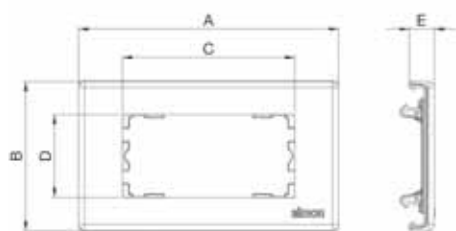
Reference	A	B	C
TSA905502/9	94	21	57
TSA1305502/9	134	21	57
TSA1605502/9	164	21	57
TSA1805502/9	185	21	57

Box for CIMA mechanisms

Ref. [TSA004](#)

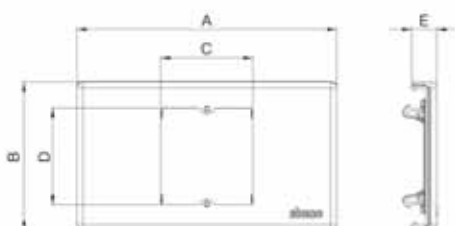


CIMA Mechanisms inner frame + trim



Reference	A	B	C	D	E
TSA905504/9	163.35	93.95	108.3	52.3	16.28
TSA1305504/9	163.35	133.95	108.3	52.3	16.28
TSA1605504/9	163.35	163.95	108.3	52.3	16.28

Universal Mechanisms inner frame + trim



Reference	A	B	C	D	E
TSA905503/9	163.35	163.95	58	61	16.28
TSA1305503/9	163.35	93.95	58	61	16.28
TSA1605503/9	163.35	163.95	58	61	16.28

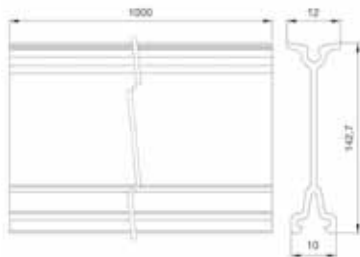
Measurements in mm

PVC CABLE ADAPTER TRUNKING

PVC CABLE ADAPTER TRUNKING ACCESSORIES

Interior divider (55 mm)

Ref. TSA001



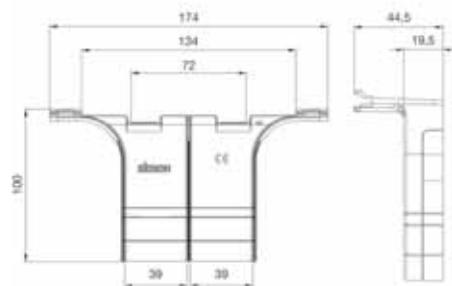
Connector pin

Ref. TSA002



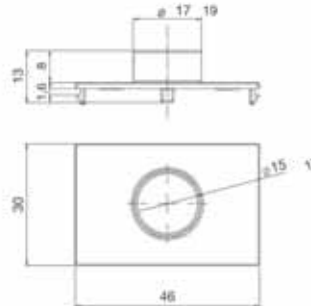
Cable junction

Ref. TSA003



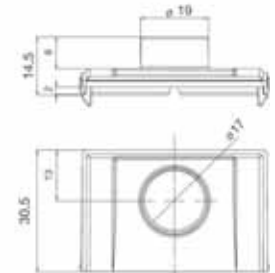
CIMA box adapter

Ref. TSA005/9



CIMA PRO box adapter

Ref. TSA006/..

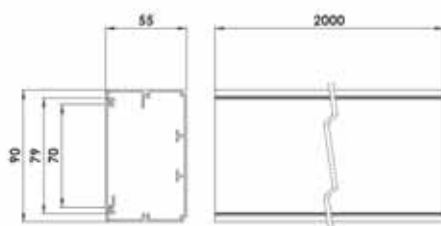


ALUMINIUM CABLE ADAPTER TRUNKING

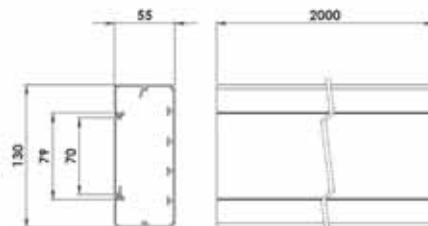
- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through standard UNE-EN-50.085.
- Compliant with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations".

- CE marked product.
- IP protection level: 4x.
- Resistance level: IK07, medium.
- Sections made from anodised aluminium with painted aluminium accessories.

Ref. TS9055/8 90x55



Ref. TS13055/8 130x55



Measurements in mm

Technical information

ALUMINIUM CABLE ADAPTER TRUNKING

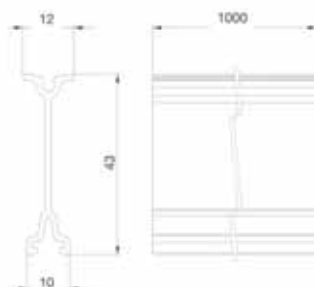
Sealing ring

Ref. [TKA1305508/8](#)



Internal divider

Ref. [TSA001](#)



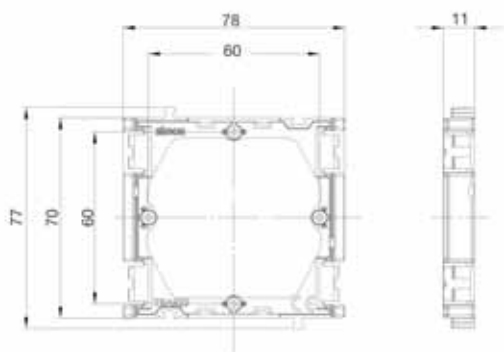
Connector pin

Ref. [TSA002](#)



Universal mechanism adapter

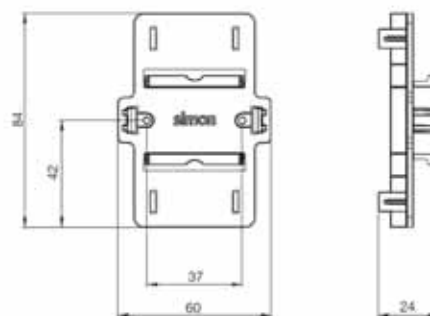
Ref. [TSA007](#)



See other accessories on page 103

Adapter for Schuko CIMA format and protection mechanisms

Ref. [TSA008](#)

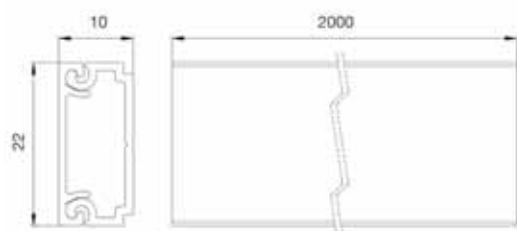


PVC MINI-TRUNKING

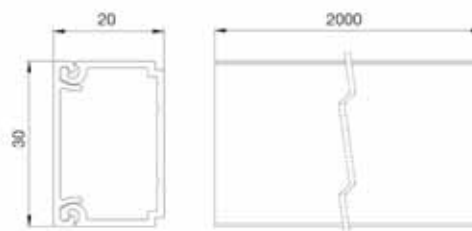
- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through standard UNE-EN-50.085.
- Compliant with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations".

- CE marked product.
- IP protection level: 4x.
- Manufactured out of thermoplastic material, which guarantees the non-propagation of flames in the event of a fire.

Ref. [TM12011/9](#) 10x22 1 compartment
Ref. [TM120112/9](#)



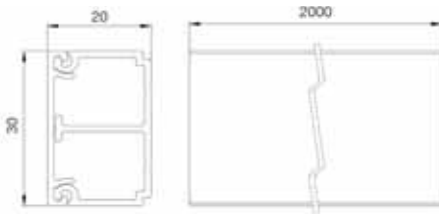
Ref. [TM12021/9](#) 20x30 1 compartment



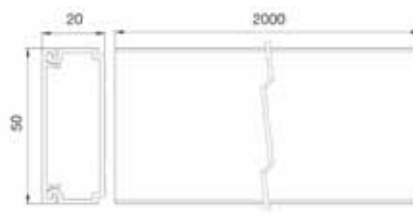
Measurements in mm

PVC MINI-TRUNKING

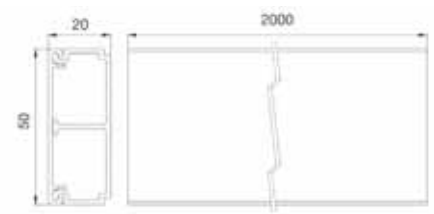
Ref. **TM12022/9** 20x30 2 compartments



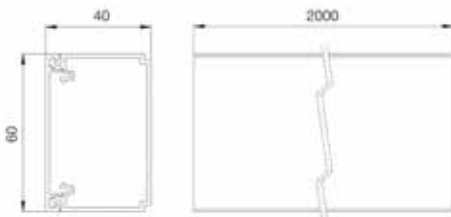
Ref. **TM12031/9** 20x50 1 compartment



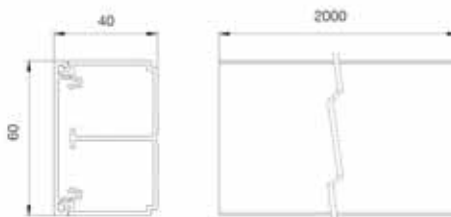
Ref. **TM12032/9** 20x50 2 compartments



Ref. **TM12051/9** 40x60 1 compartment

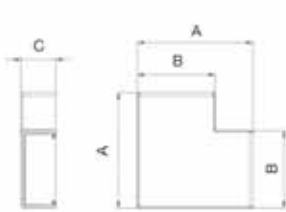


Ref. **TM12052/9** 40x60 2 compartments



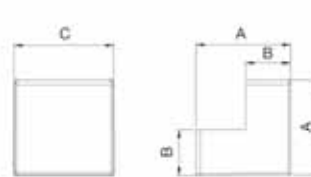
PVC MINI-TRUNKING ACCESSORIES

Flat angle piece



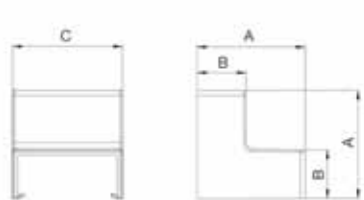
Mini-trunking	A	B	C
10x22	36	24	11
20x30	47	33	21
20x50	76	54	21
40x60	90	64	42

External angle piece



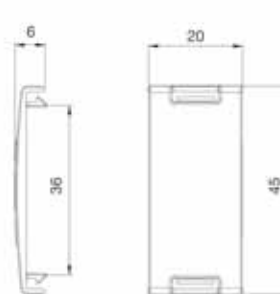
Mini-trunking	A	B	C
10x22	23	11	24
20x30	35	21	33
20x50	40	21	53
40x60	68	42	64

Internal angle piece

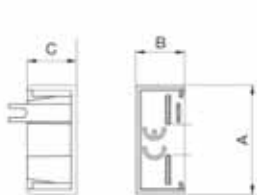


Mini-trunking	A	B	C
10x22	24	11	24
20x30	35	21	33
20x50	47	21	54
40x60	67	42	64

Cable retainer

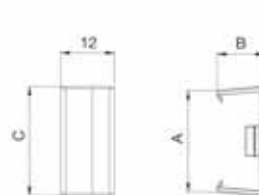


End cover



Mini-trunking	A	B	C
10x22	24	11	11
20x30	32	21	12
20x50	53	21	11
40x60	64	42	14

Sealing ring



Mini-trunking	A	B	C
10x22	23	11	24
20x30	29	21	33
20x50	50	21	53
40x60	57	41	64

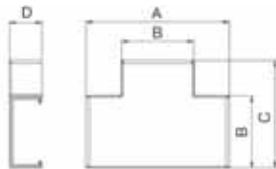
Measurements in mm

Technical information

PVC MINI-TRUNKING

PVC MINI-TRUNKING ACCESSORIES

T junction

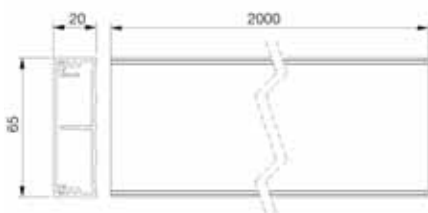


Mini-trunking	A	B	C	D
10x22	48	24	36	11
20x30	61	33	47	21
20x50	98	54	53	21
40x60	116	64	90	42

ALUMINIUM MINI-TRUNKING

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through standard UNE-EN-50.085.
- Compliant with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations".
- CE marked product.
- IP protection level: 4x.
- Resistance level: IK07, medium.
- Sections made from anodised aluminium with painted aluminium accessories.

Ref. [TM21042/8](#) 65x20 2 compartments



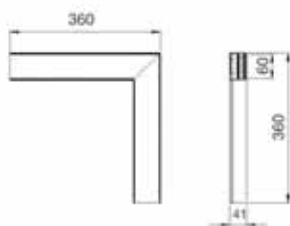
Ref. [TM21061/8](#) 65x40 1 compartment



ALUMINIUM MINI-TRUNKING ACCESSORIES

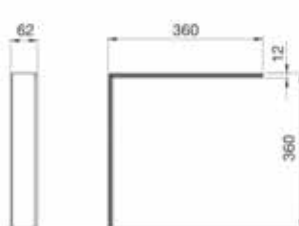
Flat angle piece

Ref. [TMA201106/8](#)

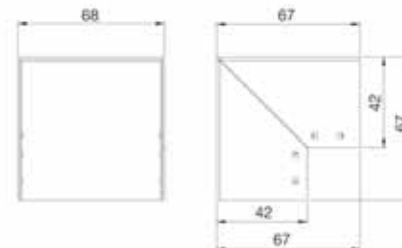


External angle piece

Ref. [TMA202104/8](#) 65x20

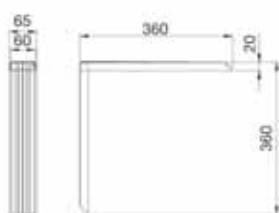


Ref. [TMA202406/24](#) 65x40

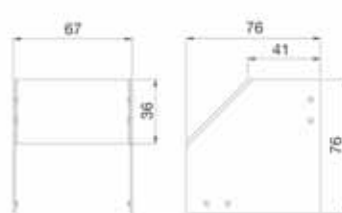


90° internal angle piece

Ref. [TMA203104/8](#) 65x20



Ref. [TMA203406/24](#) 65x40



End cover

Ref. [TMA204404/8](#)
Ref. [TMA204106/8](#)



Reference	B
TMA204404	20
TMA204106	40

Measurements in mm

AUMINIUM MINI-TRUNKING

ALUMINIUM MINI-TRUNKING ACCESSORIES

Plate for Electrobanda French socket

Ref. TMA07/8

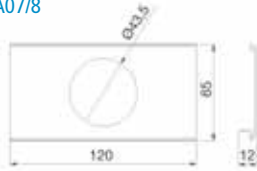
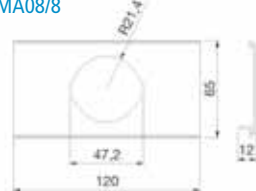


Plate for Electrobanda Schuko socket

Ref. TMA08/8



DCS SYSTEM

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through standard UNE-EN-50.085.
- Compliant with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations".
- CE marked product.
- IP protection level: 4x.
- Manufactured in Anodised Aluminium.

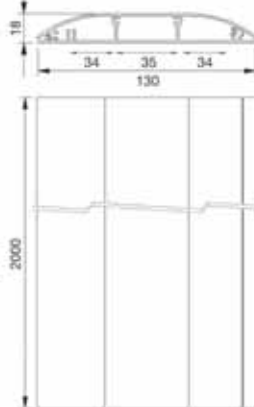
Ref. TF11172/8
85x18



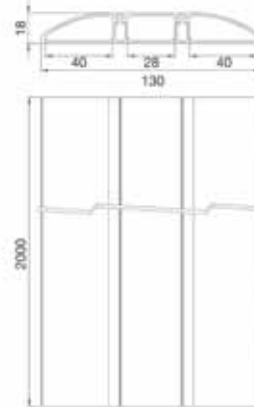
Ref. TF21172/8
85x18



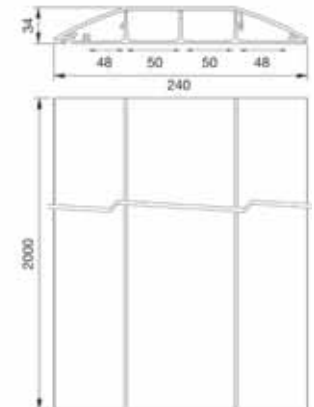
Ref. TF11183/8
130x18



Ref. TF21183/8
130x18



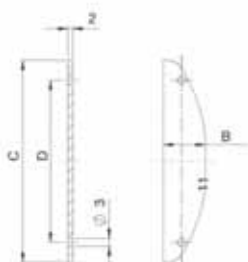
Ref. TF11193/8
240x18



Reference	Load per unit of maximum area (kg/cm ²)	IK
TF11172/8	45	IK08
TF21172/8	65	IK10
TF11183/8	55	IK07
TF21183/8	75	IK08
TF11193/8	100	IK10

DCS SYSTEM ACCESSORIES

End cover



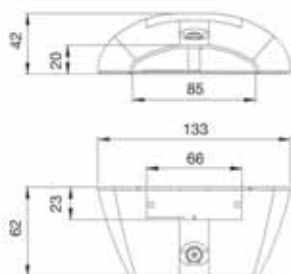
Trunking	B	C	D
85x18	18	85	68
130x18	18	128	37
240x34	34	219	109

Measurements in mm

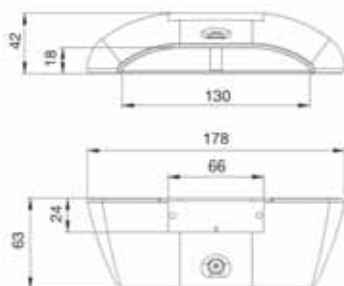
DCS SYSTEM

JUNCTION TO PERIMETER TRUNKING

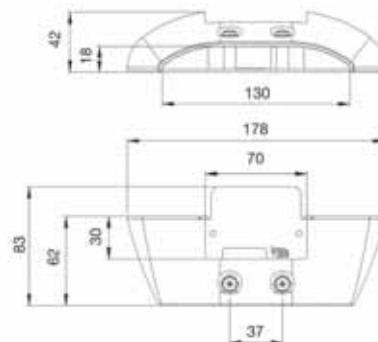
Ref. [TFA965417/8](#)



Ref. [TFA965418/8](#)



Ref. [TFA970418/8](#)



Measurements in mm

GUIDE FOR DETERMINING THE NECESSARY CROSS SECTION OF THE TRUNKING

	Ref.	Trunking external size	Usable area schematic	Usable area per compartment/total (mm ²)			
				Comp.1	Comp.2	Comp.3	
CABLOMAX PVC K45	TK02103/9	130x55		977	2066	1227	
				977	877.5	1227	
	TK02133/9	170x55		1235.5	2062	2728.5	
				1235.5	880	2728.5	
	TK02163/9	210x55		3000	2055	2735	
				3000	939	2735	
K45 aluminium CABLOMAX	TK01103/8	130x55		960	2064	1234	
				960	881	1234	
	TK01133/8	170x55		1238	2060	2702	
				1238	808	2702	
	TK01163/8	210x55		2995.5	2059	2691	
				2995.5	879	2691	
K45 PVC trunking	TK12081/9	90x55		3290	-	-	
				2430	-	-	
	TK12102/9	130x55		2124	1952	-	
				1250	1077	-	
	TK12122/9	160x55		2205.7	3227.7	-	
				1350.9	2374.3	-	
	TK12143/9	185x55		1900	1811	1928	
				1070.5	977.7	1089.5	
	K45 aluminium trunking	TK11081/8	90x55		3792.2	-	-
					2613.4	-	-
TK11102/8		130x55		2452.4	2569.7	-	
				2150.7	1388.2	-	
TK11122/8		160x55		3314	3739	-	
				2079	2050	-	
TK11143/8		185x55		2519.7	2270.6	2282.4	
				1343.9	1094.5	1112.1	
TK11071/8		70x50		2470.2	-	-	
				1288.3	-	-	
PVC cable adapter trunking		TS9055/9	90x55		3382	-	-
					1009	1062	1025
					2637	-	-
		TS13055/9	130x55		5223	-	-
					1280	986	988
					4447	-	-
TS16055/9		160x55		1148	1148	-	
				6689	-	-	
			2020	1001	1002		
TS16055/9	160x55		5220.7	-	-		
			1842	1842	-		

- With divider
- With mechanisms

Measurements in mm

Technical information

GUIDE FOR DETERMINING THE NECESSARY CROSS SECTION OF THE TRUNKING

	Ref.	Trunking external size	Usable area schematic	Usable area per compartment/total (mm ²)					
				Comp. 1	Comp. 2	Comp. 3	Comp. 4	Comp. 5	Comp. 6
Cable adapter trunking	TS18555/9	185x55		7578	-	-	-	-	-
				1317	1003	1003	1003	1003	1317
Aluminium cable adapter trunking	TS9055/8	90x55		3768.5	-	-	-	-	-
				1238	1108	1214	-	-	-
				734	758	-	-	-	-
	TS13055/8	130x55		5590	-	-	-	-	-
				929	961	961	961	906	-
				1695	1713	-	-	-	-
PVC Mini-trunking	TM1022/9	10x22		105	-	-	-	-	-
	TM1022A/9	20x30		390	-	-	-	-	-
	TM12022/9	20x30		184.3	184.3	-	-	-	-
	TM12031/9	20x50		570	-	-	-	-	-
	TM12032/9	20x50		263	263	-	-	-	-
	TM12051/9	40x60		1721	-	-	-	-	-
	TM12052/9	40x60		832	832	-	-	-	-

- With divider
- With mechanisms

	Ref.	Trunking external size	Usable area schematic	Usable area per compartment/total (mm ²)				
				Comp. 1	Comp. 2	Comp. 3	Comp. 4	Comp. 5
Aluminium mini-trunking	TM21042/8	65x20		410.5	371.5	-	-	-
	TM21061/8	65x40		1875	-	-	-	-
			748.5	-	-	-	-	
DCS Trunking	TF11172/8	85x18		378.5	397.5	-	-	-
	TF21172/8	85x18		396	396	-	-	-
	TF11183/8	130x18		325	443	354	-	-
	TF21183/8	130x18		363	341.5	363	-	-
	TF11193/8	240x34		741.5	1263.5	1263.5	730	-

Measurements in mm

METHOD FOR CALCULATING THE CABLING CAPACITY IN TRUNKINGS

PRACTICAL CALCULATION EXAMPLE

Requirements:

- Aluminium trunking
- 16 hoses of 3x2.5 mm² in one compartment and
- 35 cables Cat. 6 FTP in the other compartment

STEP 1 - WE OBTAIN THE UNIT CROSS SECTION FOR EACH TYPE OF CABLE (SEE CROSS-SECTION TABLE)

Which gives us:

$$S_{ci} = \varnothing^2$$

$$S_{3 \times 2.5} = 110 \text{ mm}^2$$

$$S_{\text{Cat6FTP}} = 55 \text{ mm}^2$$

If we multiply this by the necessary quantities:

$$S_{3 \times 2.5} \text{ 16} = 16 \times S_{3 \times 2.5} = 16 \times 110 \text{ mm}^2 = 1760 \text{ mm}^2$$

$$S_{\text{Cat6FTP}} \text{ 35} = 35 \times S_{\text{Cat6FTP}} = 35 \times 55 \text{ mm}^2 = 1925 \text{ mm}^2$$

STEP 2 - WE OBTAIN THE TOTAL CROSS SECTION PER COMPARTMENT

We must take into account the fill factor (K_i) with regard to installation and angles.

Both for the hose of 3x2.5mm² and for the cable Cat. 6 FTP the fill factor is $K_i = 1.3$

Therefore:

$$S_{3 \times 2.5} \text{ total} = K_i \times S_{3 \times 2.5} \text{ 16} = 1.3 \times 1760 \text{ mm}^2 = 2288 \text{ mm}^2$$

$$S_{\text{Cat6FTP}} \text{ total} = K_i \times S_{\text{Cat6FTP}} \text{ 35} = 1.3 \times 1925 \text{ mm}^2 = 2502 \text{ mm}^2$$

Furthermore, consider that 30% of the trunking's capacity must be left available for possible expansions ($A=1.3$).

Thus:

$$S_{c1} = S_{3 \times 2.5} \text{ total} \times A = 2288 \text{ mm}^2 \times 1.3 = 2975 \text{ mm}^2$$

$$S_{c2} = S_{\text{Cat6FTP}} \text{ total} \times A = 2502 \text{ mm}^2 \times 1.3 = 3253 \text{ mm}^2$$


STEP 3 - WE SELECT THE TRUNKING

We are asked to provide a 2-compartment aluminium trunking.

We look in the capacities table, and we find that the 160x55, two-compartment aluminium trunking suits our needs:

- Necessary cross section for compartment 1: $S_{c1} = 3253 \text{ mm}^2$
- Available cross section of compartment 1: $S_{c1} = 3314 \text{ mm}^2$
- Necessary cross section for compartment 2: $S_{c2} = 2975 \text{ mm}^2$
- Available cross section compartment 2: $S_{c2} = 3739 \text{ mm}^2$

$$S_{\text{comp1}} = 3314 \text{ mm}^2$$

$$S_{\text{comp2}} = 3739 \text{ mm}^2$$


Measurements in mm

CROSS SECTIONS AND DIAMETERS OF THE MAIN CABLES RECOMMENDED IN THE REBT

ELECTRIC CABLE EXAMPLE FOR DISTRIBUTION NETWORKS

Type *	Nº of conductors	1 conductor		2 conductors		3 conductors		4 conductors	
		Nominal cross section (mm)	Ø Exterior (mm)	Ø ² cross section (mm ²)	Ø Exterior (mm)	Ø ² cross section (mm ²)	Ø Exterior (mm)	Ø ² cross section (mm ²)	Ø Exterior (mm)
RZ1-K 0.6/1 kV	1.5	5.7	32	10.5	110	10.7	114	11.5	132
RZ1-K 0.6/1 kV	2.5	6.2	38	11.3	128	11.6	135	12.6	159
RZ1-K 0.6/1 kV	4	6.7	45	12.3	151	13.3	177	14.5	210
RZ1-K 0.6/1 kV	6	7.7	59	13.8	190	14.4	207	15.5	240
RZ1-K 0.6/1 kV	10	8.4	71	15.5	240	16	256	18	324
RZ1-K 0.6/1 kV	16	9.8	96	18.5	342	19	361	21.5	462
RZ1-K 0.6/1 kV	25	11.4	130	21.6	467	22.9	524	23	529
RZ1-K 0.6/1 kV	35	12.6	159	-	-	-	-	-	-
RZ1-K 0.6/1 kV	50	14.3	204	-	-	-	-	-	-
RZ1-K 0.6/1 kV	70	16.4	269	-	-	-	-	-	-
RZ1-K 0.6/1 kV	95	17.9	320	-	-	-	-	-	-

EXAMPLE OF NORMAL CABLING IN INTERIOR INSTALLATIONS

Type *	Nominal cross section (mm)	Ø Exterior (mm)	Ø ² cross section (mm ²)
H07V2-K	1x1.5	2.9	328
H07V2-K	1x2.5	3.6	13
H07V2-K	1x4	4.2	18
H07V2-K	1x6	4.7	22
H07V2-K	1x10	6.2	38
H07V2-K	1x16	7.3	53
H07V2-K	1x25	9.3	86
H07V2-K	1x35	10.4	108
H07V2-K	1x50	13.9	193
H07V2-K	1x70	16	256
H07V2-K	1x95	18.2	331

Type *	Nominal cross section (mm)	Ø Exterior (mm)	Ø ² cross section (mm ²)
H05 VV-F	2x0.75	6.7	45
H05 VV-F	2x1	7	49
H05 VV-F	2x1.5	7.8	61
H05 VV-F	2x2.5	9.6	92
H05 VV-F	2x4	11	121
H05 VV-F	3G0.75	7	49
H05 VV-F	3G1	7.5	56
H05 VV-F	3G1.5	8.8	77
H05 VV-F	3G2.5	10.5	110
H05 VV-F	3G4	11.9	142
H05 VV-F	4G0.75	7.5	56
H05 VV-F	4G1	8.3	69
H05 VV-F	4G1.5	9.4	88
H05 VV-F	4G2.5	11.3	128
H05 VV-F	4G4	13.1	172

* According to UNE nomenclature

N.B.
Examples of usual electric and communications cabling
The values shown may vary depending on the manufacturer.
Guideline data.

CROSS SECTIONS AND DIAMETERS OF THE MAIN CABLES RECOMMENDED IN THE REBT

COMMUNICATIONS CABLING

	Ø Exterior (mm)	Ø ² cross section (mm ²)
TELEPHONY		
1 pair EV 0.51 mm	3.7	14
2 pairs EV 0.51mm	4	16
DATA (4 PAIRS)		
UTP Class D, Cat5e	5	25
UTP Class E, Cat6	6.3	40
FTP Class D, Cat5e	6.1	37
FTP Class E, Cat6	7.4	55
TELEVISION		
Coaxial 75 Ω	6.6	43.6

* According to UNE nomenclature

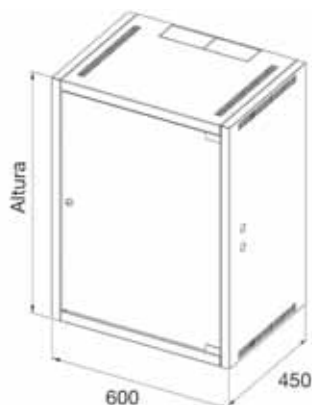
N.B.
Examples of normal electric and communications cabling
The values shown may vary depending on the manufacturer.
Guideline data.

Measurements in mm

Technical information

RACK CABINETS

- Product designed to guarantee compliance with Directive 2006/95/EC, standard UNE-EN-62.208 and standard IEC- 60.297-2.
- Complies with European RoHS regulations.
- CE marked product.
- IP20 protection level.
- Impact strength level IK:09.
- Door opening angle of 160°.
- The frame can be moved in steps of 1 cm.
- Maximum weight: 50 kg.
- Earth connection included.
- Ventilation surface 100 cm².
- Wall mounted.
- Indoor installation.
- Maximum-safety tempered glass.



References	Height
RKA1906A4F	375 mm
RKA1909A4F	525 mm
RKA1912A4F	670 mm
RKA1915A4F	820 mm

ELECTROBLOCK

- Specific measurements for installation on 19" racks. 1 u. high (44.45 mm).
- Design according to CEI 670 (UNE 20451) standard for casings and CEI 60297 standard for communications cabinets.
- Depending on model, they have 16A bipolar switches and 2 m of 3x1.5 electric cable with heat injected electric plug.
- The recommended temperature range during installation is: - 5° C to + 60° C.
- The maximum temperature during construction work is +60° C.

Ref. F1x1x Ref. F2x1x



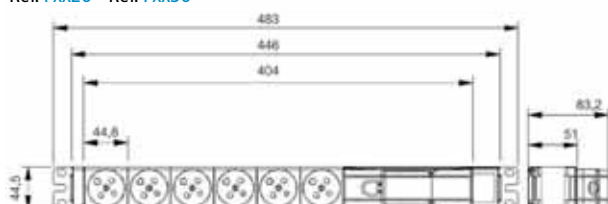
References				A	B
F1115	F1015	F2115	F2015	224	135
F1116	F1016	F2116	F2016	269	90
F1118	F1018	F2118	F2018	359	0

Ref. F1x0x Ref. F2x0x



References				A	B
F1105	F1005	F2105	F2005	224	180
F1106	F1006	F2106	F2006	269	135
F1108	F1008	F2108	F2008	359	45
F1109	F1009	F2109	F2009	404	0

Ref. Fxx26 Ref. Fxx36



References			
F1126	F1026	F2126	F2026
F1136	F1036	F2136	F2036

References	Description
F1126	10A, two-pole automatic breaker, curve C
F1136	30 mA differential, I max. 40A

Measurements in mm

UTP AND FTP COPPER CABLE SYSTEM

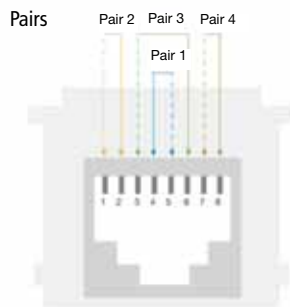
Manufactured in accordance with the following standards:

- EN 50.173-1 Cabling Standard Information Technology.
- TIA/EIA 568 A/B Commercial Building Telecommunications Cabling Standard.
- ISO/IEC 11.801 Cabling Standard, Generic Cabling for Customer Premises.
- Certified by an independent external laboratory.

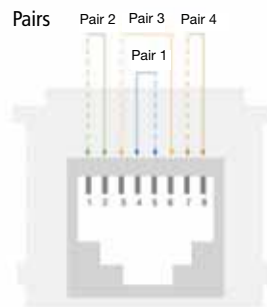


RJ45 WITH FITTED CONNECTORS

TIA568B connectorised



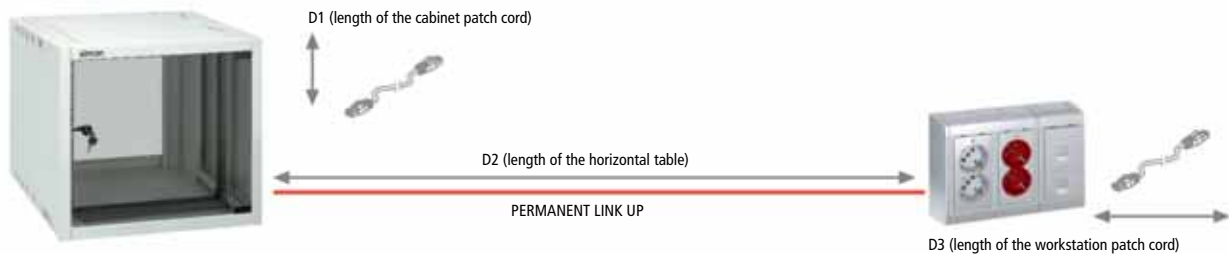
TIA568A connectorised



The RJ45 female connector can be used as RJ11 or RJ12. Connect the blue and white-blue pair for use as an analogue telephone socket.

INSTALLATION DISTANCES

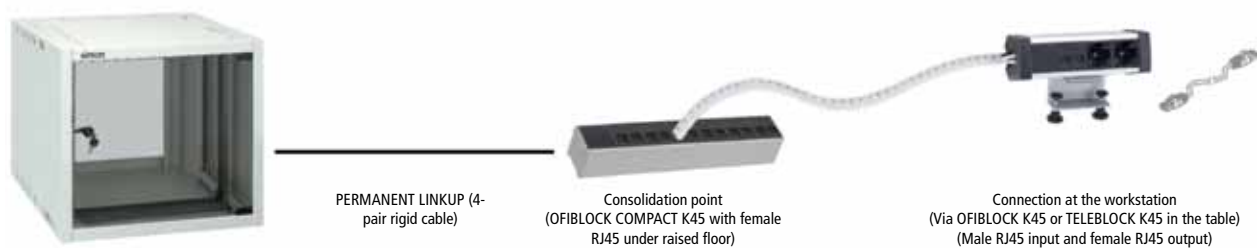
Horizontal copper cable lengths compliant with the ISO/IEC 11801 standard



Length of the horizontal cable line (PERMANENT LINKUP):	$D2 \leq 90$ metres
Length of the patch cords (of the cabinet and workstation):	$D1 + D3 < 10$ metres
Length from the computer to the network equipment (TRUNKING):	$D1 + D2 + D3 \leq 100$ metres

CONSOLIDATION POINT

Installation diagram with Consolidation point via OFIBLOCK K45 or TELEBLOCK K45 at workstation



The consolidation point allows the fixed part of the installation to be cabled (PERMANENT LINKUP) and allows complete freedom of movement of the installation furniture while respecting the Structured Cabling standard ISO/IEC 11801.

Measurements in mm

Technical information

QUICK CONNECTION

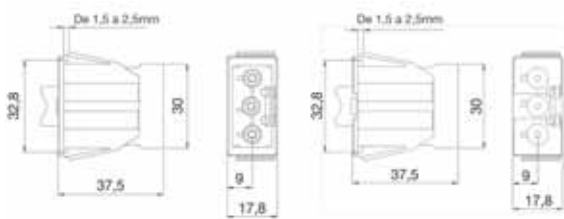
- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through harmonised standard UNE-EN-50.085.
- C€ marked product.
- Cable cross section: 1.5 or 2.5 mm²
- Rigid or flexible.

3 POLES

Flush-mount connectors

Ref. CR0001/..

Ref. CR0002/..

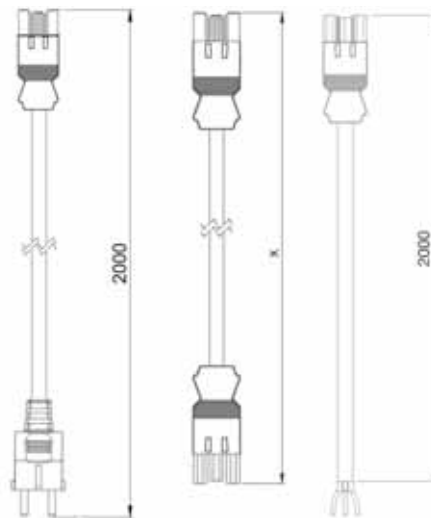


Patch cords

Ref. CR1020/..

Ref. CR2010/..

Ref. CR4020

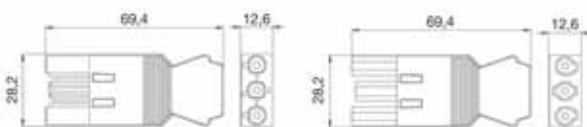


References	Length (x) (m)
CR2010/..	1
CR2020/..	2
CR2030/..	3
CR2040/..	4
CR2050/..	5
CR2060/..	6
CR2070/..	7
CR2080/..	8

Overhead connectors

Ref. CR0003/..

Ref. CR0004/..

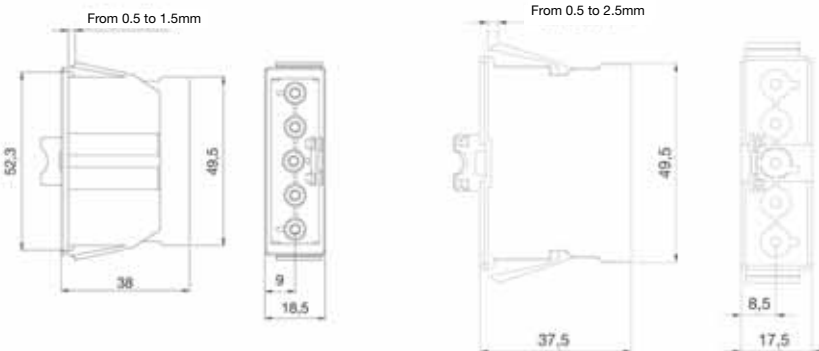


5 POLES

Flush-mount connectors

Ref. CR5001/14

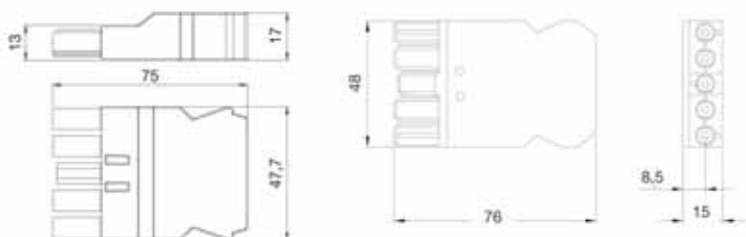
Ref. CR5002/14



Overhead connectors

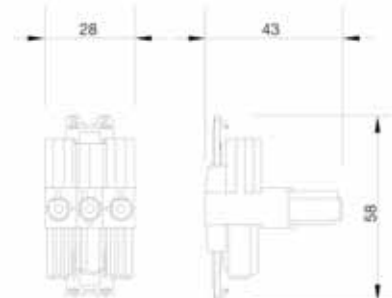
Ref. CR5004/14

Ref. CR5003/14



Junctions

Ref. CR7312/14



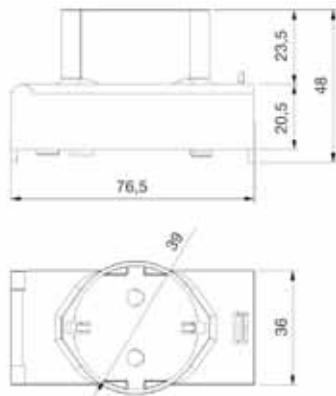
Measurements in mm

ELECTROBANDA

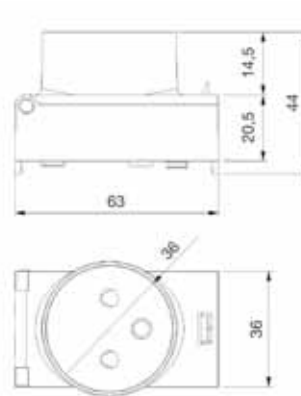
- Product designed in compliance with the UNE-EN-50.085-1 harmonised standard.
- Complies with the 2003 Low Voltage Electrotechnical Regulation, approved by R.D.842/2002.
- Compliant with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations".
- IP4X.
- Electrical Specifications: 16 A/250 V.

Electrical sockets

Schuko
Ref. [PEA124/9](#)



French
Ref. [PEA125/9](#)



Wall-mount accessories

Ref. [PEA100/8](#)



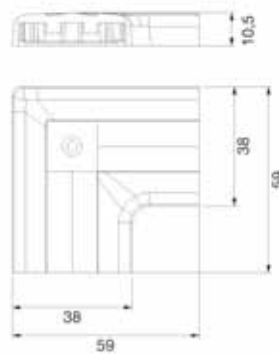
Ref. [PEA120/9](#)



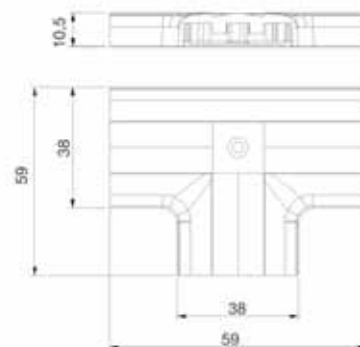
Ref. [PEA110/9](#)



Ref. [PEA101/9](#)



Ref. [PEA106/9](#)



Measurements in mm

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50000074-038	49	50001081-038	43	50004086-030	43	50015089-038	45-81
50000075-030	49	50001085-030	43	50004086-033	43	50015185-030	45-81
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50001075-030	49	50004081-038	43	50013089-038	45-81	51000003-038	23
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51000011-036	33	51010106-038	25	52050101-035	18	52054104-038	20-21
51000012-036	33	51010900-030	23-95	52050101-038	18	52054106-035	20-21
51000013-036	33	51020101-039	25	52050102-035	18	52054106-038	20-21
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51000201-030	23-25	51030903-033	23-24	52050202-035	15	52516301-036	37
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