



GENERAL CATALOGUE

Connectivity for workplaces

simon

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GENERAL

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Simon | 500 CIMA



INSTALLATION SYSTEM FOR PROFESSIONAL ENVIRONMENTS

Speed, convenience, safety and ease of installation are ensured with the Simon 500 CIMA range.

It is the best solution for electrical, voice, data and multimedia connectivity in professional environments.



www.simonelectric.com/simon-500-cima

INSTALLATION SYSTEM

Fixed to the wall	2
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Kits	40

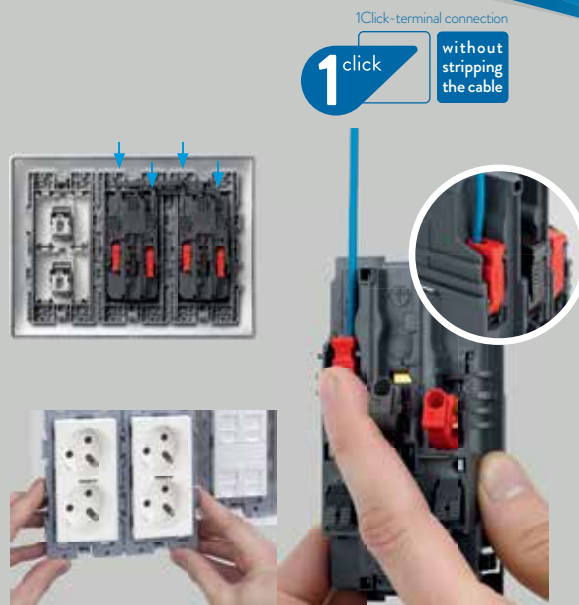
SOLUTIONS

Sockets and covers for electrical outlets	50
Connectors and plates for voice and data connections	54
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50% FASTER INSTALLATION

1Click-terminal connection system
 1Click® in electrical sockets.
 Insert, tighten and done – no need for cable peeling or braiding. Electrical sockets can be joined together by the electrical linker and the individual frame-holder system allows independent installation of the electrical circuit and voice and data.



HIGH SPEED VOICE AND DATA

Optimal cabling bending radius thanks to applied design in components, providing better distribution and cable routing. The reduced height, angled Voice and Data plates enable the use of any category RJ45 connector and the depth expander can be used to combine any category RJ45 connector snap-fitted to a flat plate in a wall box, with more interior space for cabling distribution.



MOUNTING AND CABLING KITS READY TO INSTALL

Kits configured and wired with the most common combinations for each application.





Installation systems fixed to the wall



Offices



Museums



Universities



Libraries




Educational establishments



Health centres



 **50% faster** installation

1 / Trunking access inputs 2 lateral, 1 top centre and 2 bottom

2 / Rear holes
For fastening the box on a universal flush-mounting box

3 / Rear power supply
Pre-punched Ø 20 and 25 mm holes and new larger pre-punched gaps for Voice and Data cabling

4 / Cabling space
Optimised, specific spaces for electrical, Voice, Data and Multimedia (VDM) cabling runs

5 / Linkable frame-holder system
Allowing independent installation of electrical and Voice and Data circuits

6 / Quick installation
Snap-fit installation with no tools needed. If frame-holders require extra fastening, they can optionally be screwed

7 / Metal divider plate
Electromagnetic immunity guaranteed for Voice, Data and Multimedia (VDM) installation

DEPTH EXPANDER

Accessory to give the deepest housing on the market: 80 mm to maintain optimum bending radius of voice and data cabling.



PROTECTIVE LID WITH KEY

Complete boxes with lid to conceal and protect connections. Optional lock and key to restrict access to connections.



EXPANDABLE

The boxes can be linked to each other, making it possible to increase the number of modules. Linker Art. No. 51040905-030.



PERFECT INTEGRATION WITH SIMON TRUNKING

Thanks to the straight box surfaces and uniform finish.



Wiring distribution trunking

Mini-trunking

SURFACE-MOUNT WALL BOXES

ART. NO.	DESCRIPTION
5100001 -030 -038 -033	1 double module
5100002 -030 -038 -033	2 double modules
5100003 -030 -038 -033	3 double modules
5100004 -030 -038 -033	4 double modules
5100006 -030 -038 -033	6 double modules

SURFACE-MOUNT WALL BOXES WITH LID

ART. NO.	DESCRIPTION
5104003 -030 -038 -033	3 double modules
5104004 -030 -038 -033	4 double modules

ACCESSORIES

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
5103093 -030 -038 -033	Depth expander for 3 double modules box	51040905 -030	Linker for surface-mount boxes
5103094 -030 -038 -033	Depth expander for 4 double modules box		

ART. NO.	DESCRIPTION
51040900 -033	Lock and key for surface and flush-mount box with lid

ADAPTERS FOR TRUNKING, TUBE OR CABLE GLAND ENTRY

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
51010900 -030	Adapter for 20 x 30 mm mini-trunking	51020900 -030	Adapter for 20 x 50 mm mini-trunking

ART. NO.	DESCRIPTION
51030900 -030	Cover for tube or cable gland entry $\varnothing 22$ mm

SPARE PARTS


ART. NO.	DESCRIPTION
50000801-039	Frame-holder

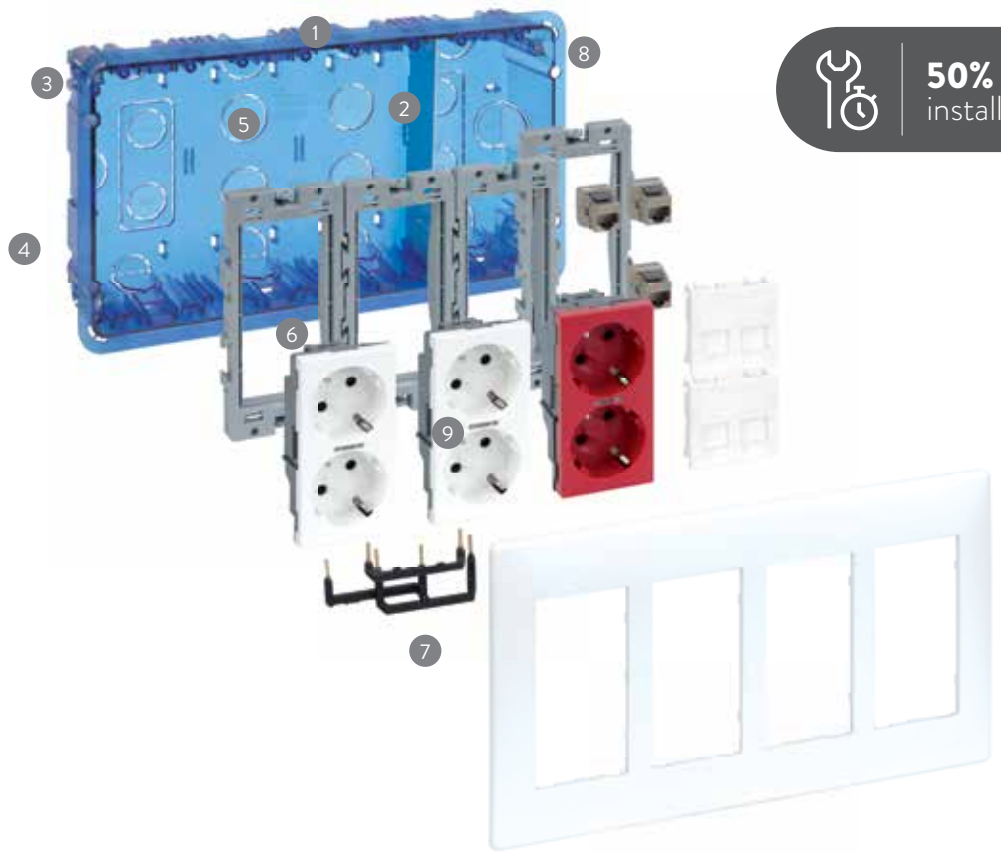


 CONFIGURATION EXAMPLE		QTY.	Art. No./Finish	DESCRIPTION	
		ENCLOSURE	1	51000003 -033	3-module surface-mount wall box, aluminium
		ELECTRICAL SOCKETS AND PLATES	1	50002432-039	Double German socket mechanism with 1Click-terminal connection
			1	50011041 -033	Double German cover with indicator light, aluminium
			1	50010432 -037	Double German socket with 1Click-terminal connection and indicator light, red
	2	50001089 -033	Flat V&D plate with dust shutter and 2 RJ45 Cat.6A, aluminium		



Installation systems flush - mount in the wall

- 
Offices
- 
Universities
- 
Educational establishments
- 
Commercial premises
- 
Laboratories
- 
Hotels



1 / Translucent flush-mount box:

Allowing tubes and cables going through it to be seen

Includes flush-mount box protector:

To protect the flush-mount box from plaster, dust, paint, etc. during installation



2 / Metal divider plate:

Electromagnetic immunity guaranteed for Voice, Data and Multimedia (VDM) installation

3 / Metal fastening claws:

For improved fastening and strength

4 / For any type of wall:

The same flush-mount box for masonry wall or hollow partition

5 / Rear power supply:

Pre-punched Ø 20 and 25 mm holes and new larger pre-punched gaps for Voice and Data cabling

6 / Linkable frame-holder system:

Allowing independent installation of electrical and Voice and Data circuits

7 / Linker for electrical sockets:

Allows 2 sockets to be linked with no need for wiring

8 / Optional fastening:

Entries for extra fastening using silicone

9 / Quick installation:

Snap-fit installation with no tools needed. If frame-holders require extra fastening, they can optionally be screwed

INTEGRATED INTO THE SETTING

Sober lines without visible screws or slots for disassembly. Frame snap-fitting using zip fastener system to adapt to uneven walls



FLEXIBILITY

The flush-mount box can be used in hollow partitions as a template during installation



DEPTH EXPANDER

Accessory that turns the box into the deepest on the market: 80 mm. The box has a semi-flush-mount appearance.



PROTECTIVE LID WITH KEY

Frames with lid to conceal and protect connections. Optional lock and key to restrict access to connections.



		QTY.	Art. No. / Finish	DESCRIPTION
<p>CONFIGURATION EXAMPLE</p>		1	51020103-039	Flush-mount box for 3 modules
		1	51010103-038	Frame and frame-holders for 3 modules, graphite
	ELECTRICAL SOCKETS AND PLATES	1	50010432-038	Double German socket with 1Click-terminal connection and indicator light, graphite
		1	50010432-037	Double German socket with 1Click-terminal connection and indicator light, red
		2	50001085-038	Flat V&D plate with dust shutter and 1 RJ45 Cat. 6A, graphite



RAL 9003

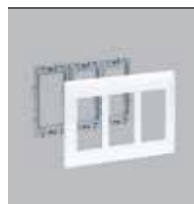
RAL 7021

FINISH

-030
White-038
Graphite-033
Aluminium

FLUSH-MOUNT WALL BOXES

FRAME AND FRAME-HOLDERS



ART. NO.		DESCRIPTION
51010101	-030 -038 -033	1 double module
51010102	-030 -038 -033	2 double modules
51010103	-030 -038 -033	3 double modules
51010104	-030 -038 -033	4 double modules
51010106	-030 -038 -033	6 double modules

+ FLUSH-MOUNT BOX



INDIVIDUAL PACKAGING

51020101	-039	1 double module
51020102	-039	2 double modules
51020103	-039	3 double modules
51020104	-039	4 double modules
51020106	-039	6 double modules

MULTIPLE PACKAGING

51020701	-039	1 double module
51020702	-039	2 double modules
51020703	-039	3 double modules
51020704	-039	4 double modules
51020706	-039	6 double modules

FLUSH-MOUNT WALL BOXES WITH LID

FRAME AND FRAME-HOLDERS



ART. NO.		DESCRIPTION
51040103	-030 -038 -033	3 double modules
51040104	-030 -038 -033	4 double modules

+ FLUSH-MOUNT BOX



51020103	-039	3 double modules
51020104	-039	4 double modules

ACCESSORIES



ART. NO.		DESCRIPTION
51030903	-030 -038 -033	Depth expander for 3 double modules box
51030904	-030 -038 -033	Depth expander for 4 double modules box



ART. NO.		DESCRIPTION
51040900	-033	Lock and key for surface and flush-mount box with lid

SPARE PARTS



ART. NO.	DESCRIPTION
50000801-039	Frame-holder



Installation systems flush - mount in the floor



Offices



Meeting rooms



Auditoriums



Universities



Museums



Hotels



1 / Window with safety stop:

Preventing footsteps from damaging the cables

2 / Cable routing lid:

Protects connecting cables and allows their passage

3 / Protective foam:

Protects the inside of the box against the ingress of dust and small objects

4 / Maintenance:

The trim plates can be removed to facilitate maintenance of connections without removing the box

5 / Screw fastenings:

Maximum assembly strength

6 / Metal divider plate:

Electromagnetic immunity guaranteed for Voice, Data and Multimedia (VDM) installation

7 / More pre-punched holes with different diameters for inlet tube:

Available around the perimeter of the box

8 / Cable tie inlets:

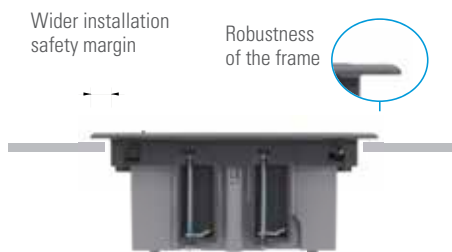
Enabling tubes and cables to be fixed using cable ties, to prevent disconnection

9 / Space for installing the floor finish:

The lid has a space with a thickness of 6 mm to match the hinged lid to the floor finish (carpet, parquet or other finishes)

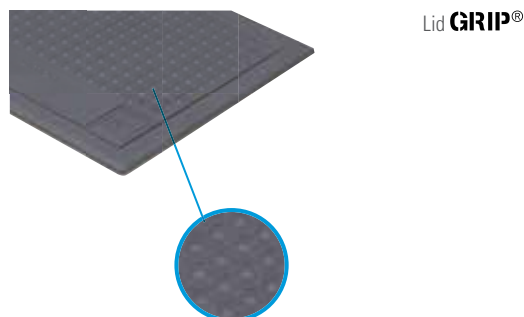
STRONGER

Larger frame area to provide an extra margin of support. Corrects possible deviations generated during cutting the gap, also offering greater box stiffness.



GRIP® COVER

Trim cover finished with a concept combining differentiated design with functionality. Its unique texture gives it non-slip properties, combining an attractive modern design while hiding chance scratches.



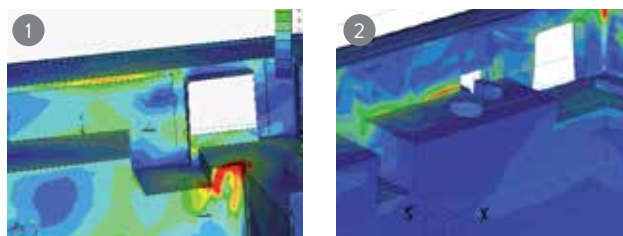
INTEGRATED DESIGN

Clean, compact design with new more stylish and minimalist lines. The shapes come together in a single surface.



HIGHER MAXIMUM LOAD

Internal improvements to ensure higher load and compliance above the standard. Simulation of the weak load points in the previous floor box (Fig. 1), and the results obtained with the new Simon 500 CIMA range of floor boxes (Fig. 2).



CABLE ROUTING LID ADAPTATION

The cable routing lid protects and allows the routing of the connecting cables. The improvements to its components allow cable routing with a convenient levelling of the lid when there are no protruding cables.



New axis of rotation

CONVENIENT OPENING SYSTEM

Opening the box is achieved by pulling both tabs at the same time, providing a satisfying feel with minimum effort. This protection system minimises tampering.





ADJUSTABLE DEPTH FLOOR BOXES

RAISED FLOOR INSTALLATION – Depth adjustable from 90 mm to 120 mm



ART. NO.		DESCRIPTION
52050101	-038 -035	1 double module
52050102	-038 -035	2 double modules
52050103	-038 -035	3 double modules
52050104	-038 -035	4 double modules
52050106	-038 -035	6 double modules
52053101	-038 -035	1 double module
52053102	-038 -035	2 double modules
52053103	-038 -035	3 double modules
52053104	-038 -035	4 double modules
52053106	-038 -035	6 double modules

+TRIM
COVER



ACCESSORIES

MECHANISM-HOLDER FRAME

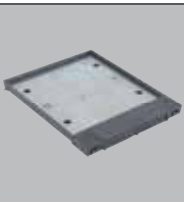


ART. NO.		DESCRIPTION
52051801	-030 -038	1 double module
52051802	-030 -038	2 double modules
52051803	-030 -038	3 double modules
52051804	-030 -038	4 double modules

Simon adjustable floor boxes incorporate white finish mechanism-holder frame

SPARE PARTS

HINGED LID



ART. NO.		DESCRIPTION
RSF001	1/14	1 double module
RSF002	1/14	2 double modules
RSF003	1/14	3 double modules
RSF004	1/14	4 double modules
RSF006	1/14	6 double modules

	QTY.	Art. No./Finish	DESCRIPTION
	1	52053104-035	Trim cover for hinged lid, 4 double modules, grey
ELECTRICAL SOCKETS AND PLATES	1	50010075-030	Plate with MCB, 16 A, white
	1	50010432-030	Double German socket with 1Click-terminal connection and indicator light, white
	1	50010432-037	Double German socket with 1Click-terminal connection and indicator light, red
	2	50001089-030	Flat V&D plate with dust shutter and 2 RJ45 Cat. 6A, white






CONFIGURATION
EXAMPLE



ADJUSTABLE DEPTH FLOOR BOXES




CONCRETE FLOOR INSTALLATION – Adjustable Depth 70 mm to 100 mm

With plastic tray (end connection)

	ART. NO.		DESCRIPTION
	52050001	-038 -035	1 double module
	52050002	-038 -035	2 double modules
	52050003	-038 -035	3 double modules
	52050004	-038 -035	4 double modules
	52050006	-038 -035	6 double modules
+ PLASTIC TRAY 	52052101	-038 -035	1 double module
	52052102	-038 -035	2 double modules
	52052103	-038 -035	3 double modules
	52052104	-038 -035	4 double modules
	52052106	-038 -035	6 double modules
+ TRIM COVER 	52053101	-038 -035	1 double module
	52053102	-038 -035	2 double modules
	52053103	-038 -035	3 double modules
	52053104	-038 -035	4 double modules
	52053106	-038 -035	6 double modules

O
opcional

With metal tray (for connecting branches)

	ART. NO.		DESCRIPTION
	52050003	-038 -035	3 double modules
	52050004	-038 -035	4 double modules
	52050006	-038 -035	6 double modules
+ METAL TRAY 	52052203	-033	3 double modules
	52052204	-033	4 double modules
	52052206	-033	6 double modules
+ TRIM COVER 	52053103	-038 -035	3 double modules
	52053104	-038 -035	4 double modules
	52053106	-038 -035	6 double modules

O
opcional

Installation in concrete floors needs to be carried out using plastic or metal tray

Using plastic tray

The whole space in the tray is occupied by the floor box. Cable entry can be performed through a corrugated tube or floor trunking.

Using metal tray

Availability of space between the floor box and the tray for passage of cables or tubes. Cable entry is through floor trunking.

**INSTALLATION SEQUENCE IN CONCRETE FLOORS**

1 Trim the trunking entries



2 Insert the trunking and screw to the floor



3 Level with screws



4 Cement



5 Fit the lining



6 Remove the protective cover



Installation systems flush - mount in the floor

ACCESSIBLE SPACE

Service boxes provide accessible space for access to the installation's cables or connections.



SERVICE LID IN RAISED FLOOR

Installing service lids in raised floors gives access to the inside of the installation.



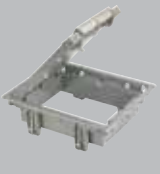
GROMMET FOR RAISED FLOORS (Ø102 mm)


Allows cable passage from below the raised floor to the surface. Once closed, prevents ingress of dust or other elements




INSTALLATION IN RAISED FLOOR

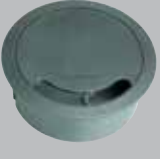
SERVICE LID

ART. NO.	DESCRIPTION
 52054101 -038 -035	Space equivalent to 1 double module
52054102 -038 -035	Space equivalent to 2 double modules
52054103 -038 -035	Space equivalent to 3 double modules
52054104 -038 -035	Space equivalent to 4 double modules
52054106 -038 -035	Space equivalent to 6 double modules
52053101 -038 -035	1 double module
52053102 -038 -035	2 double modules
52053103 -038 -035	3 double modules
52053104 -038 -035	4 double modules
52053106 -038 -035	6 double modules


+ TRIM COVER 

 **opcional**

GROMMET FOR RAISED FLOORS OR FURNITURE (Ø102 mm)

ART. NO.	DESCRIPTION
 52055000 -030 -038 -033	Allows cable passage from below the raised floor to the surface. Once closed, prevents ingress of dust or other elements

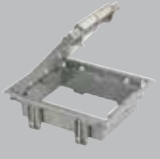
QTY.	Art. No. / Finish	DESCRIPTION
ENCLOSURE 1	52054103 -038	Service lid equivalent to 3 double modules, graphite





CONFIGURATION EXAMPLE


INSTALLATION IN CONCRETE FLOOR

PLASTIC SERVICE BOXES – Depth adjustable from 80 to 110 mm
(Trays for 3 and 4 double modules enable adjustment up to 130 mm)

ART. NO.	DESCRIPTION
 52054101 -038 -035	Space equivalent to 1 double module
52054102 -038 -035	Space equivalent to 2 double modules
52054103 -038 -035	Space equivalent to 3 double modules
52054104 -038 -035	Space equivalent to 4 double modules
52054106 -038 -035	Space equivalent to 6 double modules
52052101 -038 -035	1 double module
52052102 -038 -035	2 double modules
52052103 -038 -035	3 double modules
52052104 -038 -035	4 double modules
52052106 -038 -035	6 double modules
52053101 -038 -035	1 double module
52053102 -038 -035	2 double modules
52053103 -038 -035	3 double modules
52053104 -038 -035	4 double modules
52053106 -038 -035	6 double modules

+ PLASTIC TRAY 

+ TRIM COVER 

 **opcional**



METAL TRAYS- Depth adjustable from 75 to 90 mm



ART. NO.		DESCRIPTION
52054103	-038 -035	Space equivalent to 3 double modules
52054104	-038 -035	Space equivalent to 4 double modules
52054106	-038 -035	Space equivalent to 6 double modules

+ METAL TRAY



52052203	-033	3 double modules
52052204	-033	4 double modules
52052206	-033	6 double modules

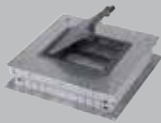
+ TRIM COVER



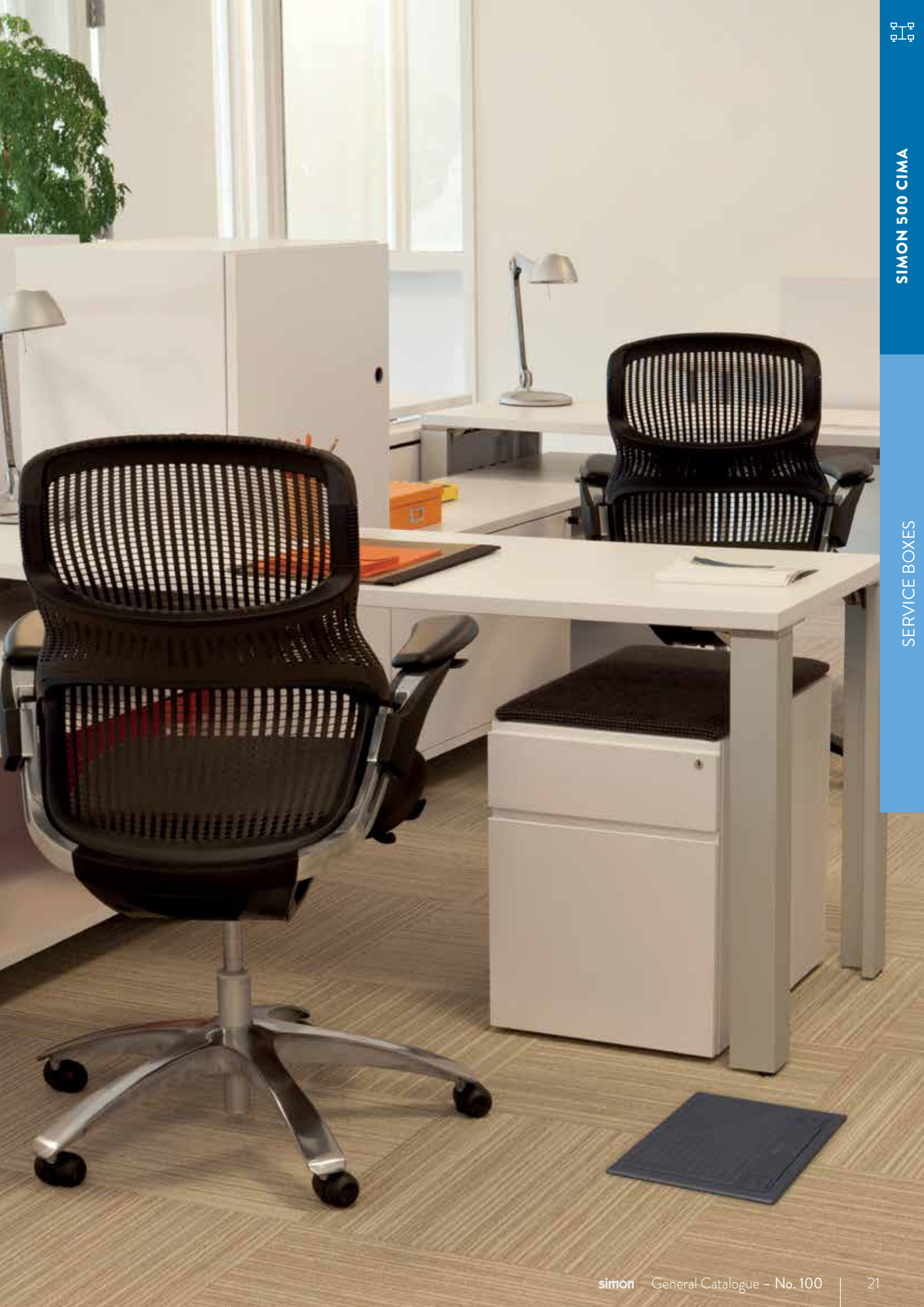
52053103	-038 -035	3 double modules
52053104	-038 -035	4 double modules
52053106	-038 -035	6 double modules



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CONFIGURATION
EXAMPLE
IN CONCRETE
FLOOR

	QTY.	Art. No. / Finish	DESCRIPTION
ENCLOSURE	1	52052203 -033	Metal tray for 3 double modules
	1	52054103 -038	Service lid, 3 double modules, graphite
	1	52053103 -038	Trim cover for hinged lid, 3 double modules, graphite



SIMON 500 CIMA

SERVICE BOXES



Installation systems flush - mount in the floor



Offices



Meeting rooms



Educational establishments



Libraries



Conference centres



Museums

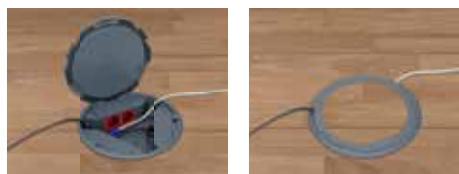


The optimum solution for shallow floors

- 1 / Mechanism-holders:**
Plug&Play mechanism-holder modules for quick and easy installation.
- 2 / Shallow:**
The optimum solution for shallow floors.
- 3 / Concrete Floor Tray:**
A necessary element in concrete floor installation. Not needed, however, in raised floors (technical floors).
- 4 / Versatile pre-punching:**
The mechanism-holders have Ø10 mm and 20 mm pre-punched holes for tube and two pre-punched gaps for Voice and Data cabling.
- 5 / Lid:**
The lid has a space with a thickness of 6 mm to match the hinged lid to the floor finish (carpet, parquet or other finishes)
With 3 opening positions (3 double module box) and 2 separate rubber grommets.
- 6 / Trim:**
For a perfect finish (optional).

INTEGRATION INTO ANY SPACE

Angled mechanisms enable the closing of the lid when the box is connected to conceal the connections



No bending of the voice and data or multimedia cables thanks to the angled mechanism position and pre-punched entrance gaps.



SHALLOW

The ideal solution for shallow floors, whether concrete or raised.



ADAPTABLE TO FURNITURE CHANGES IN THE OFFICE

The 2 separate cable outlets and the lid opening positions mean they adapt to changes in furniture positioning. (Art. No. 52050203-035)



SHALLOW FLOOR BOXES

SQUARE FLOOR BOX



ART. NO.	DESCRIPTION
52050202 -035	2 double modules

+TRIM
COVER

52053202 -035	2 double modules
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CIRCULAR FLOOR BOX



ART. NO.	DESCRIPTION
52050203 -035	3 double modules

+TRIM
COVER

52053203 -035	3 double modules
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SQUARE FLOOR BOX



ART. NO.	DESCRIPTION
52050204 -035	4 double modules

+TRIM
COVER

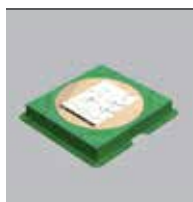
52053204 -035	4 double modules
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TRAYS FOR CONCRETE FLOOR



ART. NO.	DESCRIPTION
G201	For Art. No. 52050202 -035



ART. NO.	DESCRIPTION
G301C	For Art. No. 52050203 -035

ART. NO.	DESCRIPTION
G401	For Art. No. 52050204 -035



i CONFIGURATION EXAMPLE INSTALLATION IN CONCRETE FLOORS		QTY.	Art. No. / Finish	DESCRIPTION
		ENCLOSURE	1	52050203 -035
		1	52053203 -035	Cover for 3 double module circular shallow floor box, grey
		1	G301C	Tray for 3 double module circular shallow floor box, green
		1	50010432 -038	Double German socket with 1Click-terminal connection and indicator light, graphite
		1	50010432 -037	Double German socket with 1Click-terminal connection and indicator light, red
		2	50001089 -038	Flat V&D plate with dust shutter and 2 RJ45 Cat. 6A, graphite



Installation systems fixed to the floor



Offices



Libraries



Educational establishments



Health centres



Commercial premises



Universities

1 / Installation of solutions on both sides

2 / Includes metal divider plate:

Electromagnetic immunity guaranteed for Voice, Data and Multimedia installation

3 / Anchored directly to the floor:

Option of fastening without the need for a plinth

4 / Adaptable on floor trunking

Enables the mini-tower to be fixed by the 85x18 mm DCS floor trunking by means of the plinth for floor trunking.

5 / Screw fastening:

Maximum assembly strength

6 / Maintenance:

The trim plates can be removed to facilitate maintenance of connections without removing the mini-tower



COMPACT, ROBUST DESIGN

For connectivity in minimum space



UNDER-FLOOR POWER SUPPLY

Cables flush-mount or under raised floors. In this type of installation, the mini-tower does not need a plinth.



Power supply via floor trunking

Using a plinth, power can be supplied to the mini-tower through DCS 85x18 mm floor trunking.



MINI-TOWER



ART. NO.	DESCRIPTION
52550204 -030	Mini-tower, 2 double modules per side

+ PLINTH



52554204 -030	Entry plinth for floor trunking 85 x 18 mm
----------------------	--



CONFIGURATION
EXAMPLE UNDER
FLOOR POWER
SUPPLY



Cables flush-mount or under raised floors. In this type of installation, the mini-tower does not need a plinth.

	QTY.	Art. No./Finish	DESCRIPTION
ENCLOSURE	1	52550204 -030	Mini-tower, 2 double modules per side
ELECTRICAL SOCKETS AND PLATES	3	50010432 -030	Double German socket with 1Click-terminal connection and indicator light, white
	2	50001085 -030	Flat V&D plate with dust shutter and 1 RJ45 Cat. 6A, white



CONFIGURATION
EXAMPLE FLOOR
TRUNKING POWER
SUPPLY



Using a plinth, power can be supplied to the mini-tower through 85 x 18 mm DCS floor trunking

	QTY.	Art. No./Finish	DESCRIPTION
ENCLOSURE	1	52550204 -030	Mini-tower, 2 double modules per side
	1	52554204 -030	Entry plinth for 85 x 18 mm floor trunking
ELECTRICAL SOCKETS AND PLATES	2	50010432 -037	Double German socket with 1Click-terminal connection and indicator light, red
	4	50001085 -030	Flat V&D plate with dust shutter and 1 RJ45 Cat. 6A, white
ACCESS TRUNKING	1	TF11172/8	85 x 18 mm DCS floor trunking (length depends on installation), aluminium



Installation systems fixed to the floor



Offices



Laboratories



Educational establishments



Libraries



Universities



Hotels

SOLUTIONS FOR RAISED AND CONCRETE FLOORS

1 / Quick installation

Solutions are installed directly in the frame-holder and trimmed with the trim frame.

2 / DIN Rail fastening bracket:

Prepared for installing protective elements

3 / Non-slip adhesive foam:

Perfect adhesion to the floor to protect against ingress of dust and small objects

4 / Plinth:

Enables screw fastening of the mini-column to the floor, giving the assembly maximum strength

5 / Floor trim:

Covering joints between profile and plinth

6 / Thick aluminium profile:

Maximum robustness

7 / Top cover:

Optimising finish

8 / Maintenance:

The trim plates can be removed to facilitate maintenance of connections without removing the mini-column





MECHANISM HOUSING



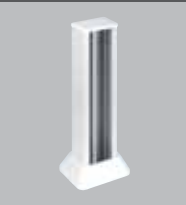
In white mini-columns, installation is recommended of frames and solutions in finish **-030**



In aluminium mini-columns, installation is recommended of frames and solutions in finish **-038** or **-033**

MINI-COLUMNS

1-SIDED



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

ART. NO.		DESCRIPTION
52550112	-030 -033	2 double modules
52550113	-030 -033	3 double modules
52550114	-030 -033	4 double modules
52550115	-030 -033	5 double modules

2-SIDED



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

ART. NO.		DESCRIPTION
52550222	-030 -033	2 modules per side
52550223	-030 -033	3 modules per side
52550224	-030 -033	4 modules per side
52550225	-030 -033	5 modules per side

SPARE PARTS

ENTRY PLINTH FOR 85x18 mm FLOOR TRUNKING



ART. NO.		DESCRIPTION
52551803	-038	Input plinth for 1-sided mini-columns
52551804	-038	Input plinth for 2-sided mini-columns

TRIM PLINTH MINI-COLUMN



ART. NO.		DESCRIPTION
52551801	-030 -038	Trim for 1-sided mini-columns
52551802	-030 -038	Trim for 2-sided mini-columns



TOP COVER MINI-COLUMN



ART. NO.		DESCRIPTION
52551805	-030 -038	Top cover for 1-sided mini-columns
52551806	-030 -038	Top cover for 2-sided mini-columns

MECHANISM ADAPTATION

ART. NO.	DESCRIPTION
52550900 -030 -038 -033	Frame and frame-holder, 1 double module

		QTY.	Art. No. / Finish	DESCRIPTION
 CONFIGURATION EXAMPLE		ENCLOSURE		
		1	52550113 -033	1-sided, 3 double module mini-column, aluminium-graphite
		3	52550900 -038	Frame and frame-holder, graphite
		ELECTRICAL SOCKETS AND PLATES		
		1	50010432 -037	Double German socket with 1Click-terminal connection and indicator light, red
		2	50001089 -038	Flat V&D plate with dust shutter and 2 RJ45 Cat. 6A, graphite
	1	50002075 -038	Plate with 30 mA RCCB, graphite	



Installation systems fixed to the ceiling



Offices



Laboratories



Educational establishments



Libraries



Universities



Hotels

FALSE CEILING SOLUTIONS

1 / Pressure screw:

The screw ensures the correct pressure on adjusting the regulating nut

2 / Metal divider guide

Allows separation of electrical and Voice, Data and Multimedia (VDM) circuits

3 / Non-slip adhesive foam:

Perfect adhesion to the floor to protect against ingress of dust and small objects

4 / Trims:

Ensuring perfect floor and ceiling finish

5 / DIN Rail fastening bracket:

Prepared for installing protective elements

6 / Thick aluminium profile:

3-metre long profile, maximum robustness, with the option of extending column length using extenders

7 / Telescopic guide for securing to ceiling slab:

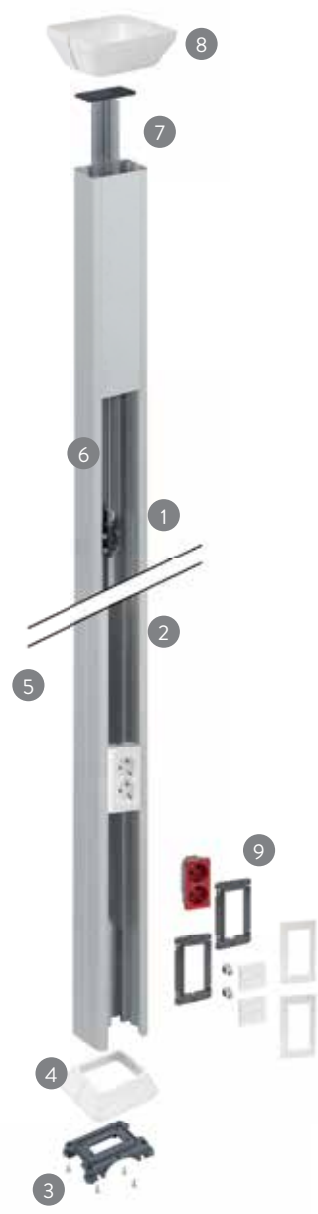
Ensures assembly rigidity (1.5 metres long)

8 / Fastening bracket:

Pressure fastening to ceiling slab

9 / Maintenance:

The trim plates can be removed to facilitate maintenance of connections without removing the column





SOLUTION HOUSING

In white columns, installation is recommended of frames and solutions in finish -030



In aluminium-coloured columns, installation is recommended of frames and solutions in finish -038 or -033



FASTENING

Easy fastening system by pressure.





RAL 9003

RAL 7021

FINISH

-030
White-038
Graphite-033
Aluminium

COLUMNS

1-SIDED



Includes plinth and trim for floor and ceiling

ART. NO.	DESCRIPTION
53550101 -030 -033	1-sided column, 3 metres

Columns in -033 are supplied with trims in graphite finish.



1-sided column extension (includes coupling pins)

ART. NO.	DESCRIPTION
53555101 -030 -033	Extension, 0.5 metres
53555102 -030 -033	Extension, 1 metre
53555103 -030 -033	Extension, 1.5 metres

2-SIDED



Includes plinth and trim for floor and ceiling

ART. NO.	DESCRIPTION
53550201 -030 -033	2-sided column, 3 metres

Columns in -033 are supplied with trims in graphite finish.



2-sided column extension (includes coupling pins)

ART. NO.	DESCRIPTION
53555201 -030 -033	Extension, 0.5 metres
53555202 -030 -033	Extension, 1 metre
53555203 -030 -033	Extension, 1.5 metres

SPARE PARTS

PLINTH



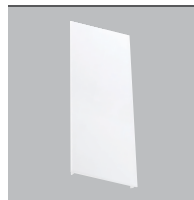
ART. NO.	DESCRIPTION
52551803 -038	Input plinth for 1-sided columns
52551804 -038	Input plinth for 2-sided columns

TRIM



ART. NO.	DESCRIPTION
52551801 -030 -038	Trim for 1-sided columns
52551802 -030 -038	Trim for 2-sided columns

FRONT COVER, 3 METRES



ART. NO.	DESCRIPTION
52551807 -030 -033	Front cover for 1 and 2-sided columns

MECHANISM ADAPTATION

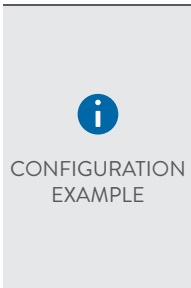


ART. NO.	DESCRIPTION
52550900 -030 -038 -033	Frame and frame-holder, 1 double module

SIMON UNIVERSAL MECHANISMS



ART. NO.	DESCRIPTION
AL50	Box for adaptation of Simon universal mechanisms



i
CONFIGURATION
EXAMPLE

	QTY.	Art. No./Finish	DESCRIPTION
ENCLOSURE	1	53550101 -033	1-sided column, aluminium-graphite
	3	52550900 -038	Frame and frame-holder, graphite
ELECTRICAL SOCKETS AND PLATES	1	50010432 -037	Double German socket with 1Click-terminal connection and indicator light, red
	1	50010432 -038	Double German socket with 1Click-terminal connection and indicator light, graphite
	2	50001086 -038	Angled V&D plate with dust shutter and 2 RJ45 Cat. 6A, graphite



Installation systems fixed to wall and floor



Airports



Shopping centres



Sports centres



Industrial units



Warehouses

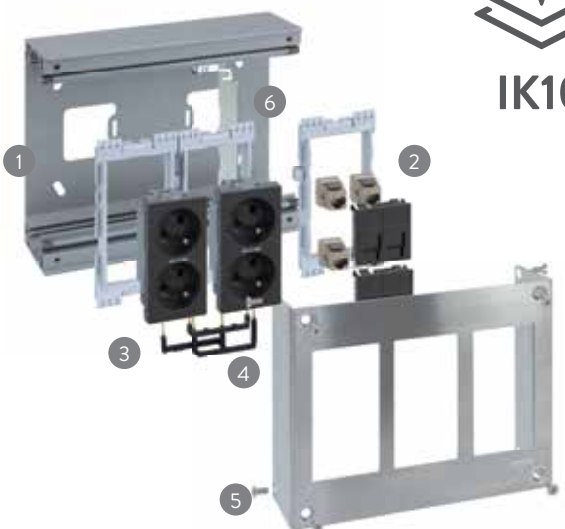


Mechanical workshops

SURFACE-MOUNT BOXES



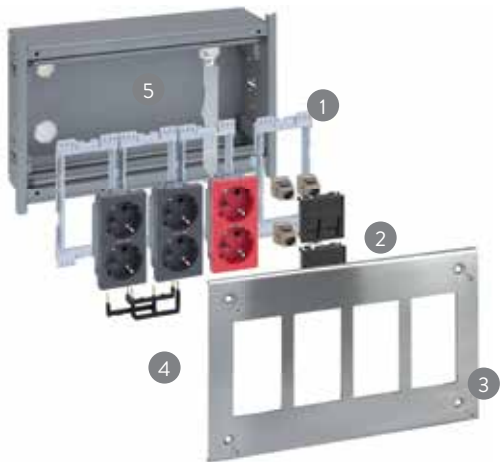
IK10



DESIGNED FOR OFFICES AND PUBLIC SPACES

- 1 / Aluminium box**
Metal structure reinforced with epoxy paint
- 2 / Hinged frame-holders** for easy installation and maintenance
- 3 / Stainless steel frame** for cleaning free from residues or bacteria
- 4 / Electrical socket linker** enables sockets to be connected together with no need for cabling, art.no. 50000996-039. See page 52
- 5 / Frame fastening ensured** by using 8 stainless steel Allen screws to minimise the risk of enclosure disassembly
- 6 / Metal divider plate** Guarantees Voice, Data and Multimedia installation

FLUSH-MOUNT BOXES



- 1 / Hinged frame-holders** for easy installation and maintenance
- 2 / Stainless steel frame** for cleaning free from residues or bacteria
- 3 / Frame fastening ensured** by using 4 stainless steel Allen screws to minimise the risk of enclosure disassembly
- 4 / Electrical socket linker** enables sockets to be connected together with no need for cabling art.no. 50000996-039. See page 52
- 5 / Metal divider plate**
Electromagnetic immunity guaranteed for Voice, Data and Multimedia installation

MINI-TOWERS



1 / Metal divider plate

Electromagnetic immunity guaranteed for Voice, Data and Multimedia installation

2 / Hinged frame-holders for easy installation and maintenance

3 / Electrical socket linker enables sockets to be connected together with no need for cabling.

Art. no. 50000996-039. See page 52

4 / Stainless steel frame for cleaning free from residues or bacteria

5 / Direct anchoring.

Base supplied with the enclosure, no need for accessories

6 / Frame fastening ensured by using 6 stainless steel Allen screws to minimise the risk of enclosure disassembly

7 / Aluminium structure

Metal structure reinforced with epoxy paint

FOR OFFICES AND PUBLIC SPACES

Their minimalist aesthetic, metallic finish and impact resistance make them ideal for working environments with large personnel flows.

V&D assembly

Respects the bending radius of V&D cabling thanks to the 57 mm box depth.

Hinged frame-holders: Allowing easier installation and more convenient maintenance.

57 mm



Frame attachment

Stainless steel Allen screws provide security, because they need a specific type of metric Allen key for removal.



Tube or trunking inlet

Option of making customised tube and trunking entries according to installation needs.



Protective lid with key

Low profile aesthetic, enabling restriction of access to connections.



Independent electrical and V&D circuits

The frame-holders snap-fit onto the structure using linkable parts to form blocks, separating the electrical part from the V&D part.



WALL BOXES

SURFACE-MOUNT



ART. NO.		DESCRIPTION
51000011	-036	1 double module
51000012	-036	2 double modules
51000013	-036	3 double modules
51000014	-036	4 double modules
51000016	-036	6 double modules

FLUSH-MOUNT



ART. NO.		DESCRIPTION
51000111	-036	1 double module
51000112	-036	2 double modules
51000113	-036	3 double modules
51000114	-036	4 double modules
51000116	-036	6 double modules

WALL BOX ACCESSORIES

PROTECTIVE LID



ART. NO.		DESCRIPTION
51040013	-036	Protective lid with lock cylinder for 3 double module surface and flush-mount boxes
51040014	-036	Protective lid with lock cylinder for 4 double module surface and flush-mount boxes

MINI-TOWERS

1-SIDE



ART. NO.		DESCRIPTION
52510212	-036	2 double modules
52510213	-036	3 double modules
52510214	-036	4 double modules
52510215	-036	5 double modules

2-SIDES



ART. NO.		DESCRIPTION
52510222	-036	2 double modules
52510223	-036	3 double modules
52510224	-036	4 double modules

MINI-TOWER ACCESSORY



ART. NO.	DESCRIPTION
52513214 -036	Protective lid with lock cylinder for 1- and 2-sided 4-module mini-tower



CONFIGURATION
EXAMPLE



	QTY.	Art. No. / Finish	DESCRIPTION
ENCLOSURE	1	51000013 -036	3 double module surface-mount metal wall box
ELECTRICAL SOCKETS AND PLATES	1	50010432 -038	Double German socket with 1Click-terminal connection and indicator light, graphite
	1	50010432 -037	Double German socket with 1Click-terminal connection and indicator light, red
	2	50001089 -038	Flat V&D plate with dust shutter and 2 RJ45 Cat. 6A, graphite



Kits assembled and wired



Offices



Shopping centres



Educational establishments



Airports



Industrial units



Hotels

A KIT FOR EACH TYPE OF INSTALLATION

Kits configured and wired with the most common combinations to simplify ordering.

Saving time in preparing and installing (the electrical sockets have **1Click-terminal connection**). If more than one socket is included for the same circuit, they are supplied wired by electric linkers.

Installed on wall or floor, surface and flush-mount, the Kits come in four different finishes: **White, graphite, aluminium and stainless steel.**

- Workplaces
- Commercial premises
- Meeting rooms
- Airports and Stations
- Educational establishments
- Multifunction equipment
- Vending Machines
- ...



EXAMPLE OF KIT SELECTION

4-module wall-mounted workplace kit with voice and data plates compatible with all major brands of RJ45 connectors on the market.

51000401 -030



SELECTING THE BASE

Surface-mount:

4 double modules surface wall box base.

51050004 -030



Flush-mount:

4 double modules flush-mount wall box

51020104 -039

or





SUPPLIED MOUNTED, WIRED, ...
READY TO INSTALL!




WALL BOX KITS – SURFACE AND FLUSH-MOUNT

2 DOUBLE MODULES


ART. NO.	DESCRIPTION
 51000201 -030 -038 -033	2 double electrical sockets


ART. NO.	DESCRIPTION
 51000202 -030 -038 -033	1 double electrical socket and 2 V&D plates For 1 Universal format RJ45 connector*


ART. NO.	DESCRIPTION
 51000204 -030	1 double electrical socket and 2 V&D plates For 1 x 3M format RJ45 connector

ART. NO.	DESCRIPTION
 51000203 -030 -038 -033	1 double electrical socket for UPS and 2 V&D plates For 1 Universal format RJ45 connector*

3 DOUBLE MODULES

ART. NO.	DESCRIPTION
 51000301 -030 -038 -033	2 double electrical sockets and 2 V&D plates For 1 Universal format RJ45 connector*

ART. NO.	DESCRIPTION
 51000307 -030 -038 -033	2 double electrical sockets and 2 V&D plates Includes 2 RJ45 connectors, Cat. 6 UTP

ART. NO.	DESCRIPTION
 51000303 -030 -038 -033	2 double electrical sockets and 2 V&D plates and hinged lid For 1 Universal format RJ45 connector*

+SURFACE-MOUNT WALL BOX BASE







**51050002** -030 **-038** -033 2 double modules**51050003** -030 **-038** -033 3 double modules



or

+FLUSH-MOUNT BOX

**51020102-039** 2 double modules**51020103-039** 3 double modules

* Kits consist of double electrical sockets with 1Click-terminal connection with indicator light and flat V&D plates with dust shutter for 1 or 2 SIMON, AMP netconnect® (Tyco®) BRAND-REX® (BICC®), SYSTIMAX (Avaya®) (ATT®), ADC KRONE® or BeldenCDT® (NORDX) ® RJ45 connectors.

ART. NO.	DESCRIPTION
 51000302 -030 -038 -033	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 1 Universal format RJ45 connector*
 51000306 -030	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 1 x 3M format RJ45 connector
 51000308 -030 -038 -033	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates Includes 2 RJ45 connectors, Cat. 6 UTP
 51000304 -030	1 double electrical socket, 1 double electrical socket for UPS, 2 V&D plates and hinged lid For 1 Universal format RJ45 connector*
 51000305 -030 -038 -033	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 2 Universal format RJ45 connectors*
 51000309 -030	1 double electrical socket, 1 double electrical socket for UPS and double module for customisation

+ SURFACE-MOUNT WALL BOX BASE	 51050003 -030 -038 -033	3 double modules	⊕	OR	+ FLUSH-MOUNT BOX	 51020103-039	3 double modules
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* Kits consist of double electrical sockets with 1Click-terminal connection with indicator light and flat V&D plates with dust shutter for 1 or 2 SIMON, AMP netconnect® (Tyco®) BRAND-REX® (BICC®), SYSTIMAX (Avaya®) (ATT®), ADC KRONE® or BeldenCDT® (NORDX) ® RJ45 connectors.

4 DOUBLE MODULES

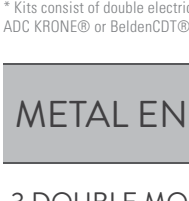
ART. NO.	DESCRIPTION
51000401 -030	2 double electrical sockets, 1 double electrical socket for UPS and 2 V&D plates For 2 Universal format RJ45 connectors*



ART. NO.	DESCRIPTION
51000402 -030	1 double electrical socket, 1 individual electrical socket 1 double electrical socket for UPS, 1 USB charger and 2 V&D plates For 2 Universal format RJ45 connectors*



ART. NO.	DESCRIPTION
51000403 -030	1 double electrical socket, 2 double electrical sockets for UPS and 2 V&D plates For 2 Universal format RJ45 connectors*



ART. NO.	DESCRIPTION
51000404 -030	2 double electrical sockets, 1 double electrical socket for UPS and 2 V&D plates For 2 x 3M format RJ45 connectors



+ SURFACE-MOUNT WALL BOX BASE

**51050004** -030

4 double modules



or

+ FLUSH-MOUNT BOX

**51020104-039** 4 double modules

* Kits consist of double electrical sockets with 1Click-terminal connection with indicator light and flat V&D plates with dust shutter for 1 or 2 SIMON, AMP netconnect® (Tyco®) BRAND-REX® (BICC®), SYSTIMAX (Avaya®) (ATT®), ADC KRONE® or BeldenCDT® (NORDX) ® RJ45 connectors.

METAL ENCLOSURE KITS

3 DOUBLE MODULE SURFACE-MOUNT WALL BOX

ART. NO.	DESCRIPTION
51001301 -036	2 double electrical sockets and 2 V&D plates For 1 Universal format RJ45 connector*



ART. NO.	DESCRIPTION
51001302 -036	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 1 Universal format RJ45 connector*





ART. NO.		DESCRIPTION
51002301	-036	2 double electrical sockets and 2 V&D plates For 1 Universal format RJ45 connector*



ART. NO.		DESCRIPTION
51002302	-036	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 1 Universal format RJ45 connector*

4 DOUBLE MODULE SURFACE-MOUNT WALL BOX



ART. NO.		DESCRIPTION
51001401	-036	1 double electrical socket, 2 double electrical sockets for UPS and 2 V&D plates For 2 Universal format RJ45 connectors*

4 DOUBLE MODULE FLUSH-MOUNT WALL BOX



ART. NO.		DESCRIPTION
51002401	-036	1 double electrical socket, 2 double electrical sockets for UPS and 2 V&D plates For 2 Universal format RJ45 connectors*

3 DOUBLE MODULE TOWERS



ART. NO.		DESCRIPTION
52516301	-036	2 double electrical sockets and 2 V&D plates For 1 Universal format RJ45 connector*



ART. NO.		DESCRIPTION
52516302	-036	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 1 Universal format RJ45 connector*

4 DOUBLE MODULE TOWERS



ART. NO.		DESCRIPTION
52516401	-036	1 double electrical socket, 2 double electrical sockets for UPS and 2 V&D plates For 2 Universal format RJ45 connectors*

ADJUSTABLE FLOOR BOX KITS – 90 mm to 120 mm (raised floor)

3 DOUBLE MODULES

ART. NO.	DESCRIPTION
52006306 -030	2 double electrical sockets and 2 V&D plates For 1 Universal format RJ45 connector*

ART. NO.	DESCRIPTION
52006308 -030	2 double electrical sockets and 2 V&D plates For 1 x 3M format RJ45 connector

ART. NO.	DESCRIPTION
52006307 -030	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 1 Universal format RJ45 connector*


ART. NO.	DESCRIPTION
52006309 -030	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 1 x 3M format RJ45 connector


ART. NO.	DESCRIPTION
52006310 -030	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 2 Universal format RJ45 connectors*

4 DOUBLE MODULES

ART. NO.	DESCRIPTION
52006404 -030	2 double electrical sockets, 1 double electrical socket for UPS and 2 V&D plates For 2 Universal format RJ45 connectors*

ART. NO.	DESCRIPTION
52006405 -030	2 double electrical sockets, 1 double electrical socket for UPS and 2 V&D plates For 2 x 3M format RJ45 connectors


ART. NO.	DESCRIPTION
 52006402 -030	1 DIN rail protection plate, 1 double electrical socket for UPS and 2 V&D plates For 2 Universal format RJ45 connectors*


ART. NO.	DESCRIPTION
+ FLOOR BOX TRIM COVER  52053103 -035	3 double modules
52053104 -035	4 double modules

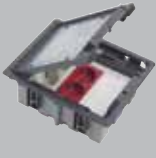
* Kits consist of double electrical sockets with 1Click-terminal connection with indicator light and flat V&D plates with dust shutter for 1 or 2 SIMON, AMP netconnect® (Tyco®) BRAND-REX® (BICC®), SYSTIMAX (Avaya®) (ATT®), ADC KRONE® or BeldenCDT® (NORDX) ® RJ45 connectors.


ADJUSTABLE FLOOR BOX KITS – 70 mm to 100 mm (concrete floors)


3 DOUBLE MODULES

ART. NO.	DESCRIPTION
 52006301 -030	2 double electrical sockets and 2 V&D plates For 1 Universal format RJ45 connector*


ART. NO.	DESCRIPTION
 52006303 -030	2 double electrical sockets and 2 V&D plates For 1 x 3M format RJ45 connector

ART. NO.	DESCRIPTION
 52006302 -030	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 1 Universal format RJ45 connector*

ART. NO.	DESCRIPTION
 52006304 -030	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 1 x 3M format RJ45 connector


ART. NO.	DESCRIPTION
 52006305 -030	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 2 Universal format RJ45 connectors*

4 DOUBLE MODULES


ART. NO.	DESCRIPTION
 52006401 -030	2 double electrical sockets, 1 double electrical socket for UPS and 2 V&D plates For 2 Universal format RJ45 connectors*

ART. NO.	DESCRIPTION
 52006403 -030	2 double electrical sockets, 1 double electrical socket for UPS and 2 V&D plates For 2 x 3M format RJ45 connectors

+ FLOOR BOX TRIM COVER

 52053103 -035	3 double modules
52053104 -035	4 double modules

+ PLASTIC TRAY

 52052103 -035	3 double modules
52052104 -035	4 double modules


+ METAL TRAY

 52052203 -035	3 double modules
52052204 -035	4 double modules

* Kits consist of double electrical sockets with 1Click-terminal connection with indicator light and flat V&D plates with dust shutter for 1 or 2 SIMON, AMP netconnect® (Tyco®) BRAND-REX® (BICC®), SYSTIMAX (Avaya®) (ATT®), ADC KRONE® or BeldenCDT® (NORDX) ® RJ45 connectors.

SHALLOW FLOOR BOX KITS


2 DOUBLE MODULES

ART. NO.	DESCRIPTION
 52006311 -030	1 double electrical socket and 2 V&D plates For 1 Universal format RJ45 connector*

3 DOUBLE MODULES

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
 52006312 -030	2 double electrical sockets and 2 V&D plates For 1 Universal format RJ45 connector*	 52006314 -030	2 double electrical sockets and 2 V&D plates For 1 x 3M format RJ45 connector


ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
 52006313 -030	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 1 Universal format RJ45 connector*	 52006315 -030	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 1 x 3M format RJ45 connector


ART. NO.	DESCRIPTION
 52006316 -030	1 double electrical socket, 1 double electrical socket for UPS and 2 V&D plates For 2 Universal format RJ45 connectors*


+ FLOOR BOX TRIM COVER		52053202 -035	2 double modules	+ TRAY FOR CONCRETE FLOOR		G201	2 double modules
		52053203 -035	3 double modules			G301C	3 double modules

* Kits consist of double electrical sockets with 1Click-terminal connection with indicator light and flat V&D plates with dust shutter for 1 or 2 SIMON, AMP netconnect® (Tyco®) BRAND-REX® (BICC®), SYSTIMAX (Avaya®) (ATT®), ADC KRONE® or BeldenCDT® (NORDX) ® RJ45 connectors.

4 DOUBLE MODULES

	ART. NO.	DESCRIPTION
	52006406 -030	2 double electrical sockets, 1 double electrical socket for UPS and 2 V&D plates For 2 Universal format RJ45 connectors*

	ART. NO.	DESCRIPTION
	52006407 -030	2 double electrical sockets, 1 double electrical socket for UPS and 2 V&D plates For 2 x 3M format RJ45 connectors

+ FLOOR BOX TRIM COVER		52053204 -035	4 double modules	+ TRAY FOR CONCRETE FLOOR		G401	4 double modules

* Kits consist of double electrical sockets with 1Click-terminal connection with indicator light and flat V&D plates with dust shutter for 1 or 2 SIMON, AMP netconnect® (Tyco®) BRAND-REX® (BICC®), SYSTIMAX (Avaya®) (ATT®), ADC KRONE® or BeldenCDT® (NORDX) ® RJ45 connectors.



Sockets and covers for electrical outlets

1Click-terminal connection
without stripping the cable

 **50% faster** installation



Indicator lights with LED technology and front without visible screw.

Recesses for easier plug positioning.

1CLICK-TERMINAL CONNECTION



Just insert...



and press!

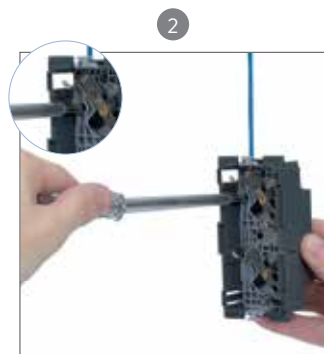


ELECTRICAL SOCKETS
The 1Click-terminal connection system prevents leaving the live part of the cable accessible

SCREW-TERMINAL CONNECTION



Insert wire



Tighten terminal

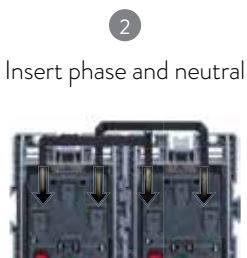


Snap-fit the cover on

SOCKET LINKER INSTALLATION SEQUENCE*



Separate the two parts of the linker



Insert phase and neutral











Insert earth connection

* For use in wall boxes and metal enclosures.




FINISH ▶

DOUBLE GERMAN SOCKETS WITH INDICATOR LIGHT 16 A 250 V_{ac}

	ART. NO. 50010432 -030 -037 -038	DESCRIPTION Double German socket with 1ClickR terminal connection and indicator light 		ART. NO. 50010472 -030 -037 -038	DESCRIPTION Double German socket with screw-terminal connection and indicator light
	ART. NO. 50002432-039	DESCRIPTION Double German socket mechanism with 1Click-terminal connection 		ART. NO. 50002472-039	DESCRIPTION Double German socket mechanism with screw-terminal connection
+ COVER 	50011041 -033 -072 -065	COVER WITH INDICATOR LIGHT FOR DOUBLE GERMAN SOCKET MECHANISM	+ COVER 	50011041 -033 -072 -065	COVER WITH INDICATOR LIGHT FOR DOUBLE GERMAN SOCKET MECHANISM









ACCESSORIES

	ART. NO. 50000996-039	DESCRIPTION Electrical linker for 2 double electrical sockets for 500 CIMA wall boxes and metal enclosures
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DOUBLE FRENCH SOCKETS WITH NO INDICATOR LIGHT 16 A 250 V_{ac}

	ART. NO. 50000468 -030 -037 -038	DESCRIPTION Double French socket with 1Click-terminal connection and no indicator light 		ART. NO. 50000458 -030 -037 -038	DESCRIPTION Double French socket with screw-terminal connection and no indicator light
	ART. NO. 50000469 -037	DESCRIPTION Double French socket with 1ClickR terminal connection and pin for safety shutter unlocking 		ART. NO. 50000459 -037	DESCRIPTION Double French socket with screw-terminal connection and pin for safety shutter unlocking

DOUBLE GERMAN SOCKETS WITH NO INDICATOR LIGHT 16 A 250 V_{ac}

	ART. NO. 50000432 -030 -037	DESCRIPTION Double German socket with 1ClickR terminal connection and no indicator light 		ART. NO. 50000472 -030 -037	DESCRIPTION Double German socket with screw-terminal connection and no indicator light
	ART. NO. 50002432-039	DESCRIPTION Double German socket mechanism with 1ClickR terminal connection and no indicator light 		ART. NO. 50002472-039	DESCRIPTION Double German socket mechanism with screw-terminal connection and no indicator light
+ COVER 	50001041 -038	COVER WITH NO INDICATOR LIGHT FOR DOUBLE GERMAN SOCKET MECHANISM	+ COVER 	50001041 -038	COVER WITH NO INDICATOR LIGHT FOR DOUBLE GERMAN SOCKET MECHANISM

SPARE PARTS

	ART. NO. 50011841 -030 -037 -038	DESCRIPTION Cover with viewer for double German socket mechanism (no indicator light included)
	ART. NO. 50001841 -030 -037	DESCRIPTION Cover without viewer for double German socket mechanism
	ART. NO. 50000802-039	DESCRIPTION LED indicator for double German socket mechanism
	ART. NO. 50000803-039	DESCRIPTION Safety shutter unlocking pin



Connectors and plates for voice and data connections

THE BEST SOLUTION FOR ENSURING HIGH SPEED VOICE AND DATA TRANSMISSION



50% faster
installation

ANGLED AND FLAT PLATES WITH SIMON CONNECTORS

Format 50x50 mm
Facilitates cable routing and is reflected in easier assembly.

Plates with
Category 6A RJ45 connectors.



THE SAME PLATE FOR ALL TYPES OF ENCLOSURES

The plate has clips to enable fastening in any enclosure without the need for accessories.



Horizontal snap-fit

OPTIMAL BENDING RADIUS

Optimal bending radius to ensure high speed data transmission.

1 / Flat plates:

Facilitate assembly installation in reduced spaces



80 mm

2 / Depth expander:

Option of installing deep accessory for greater space in 3- and 4-module wall boxes



55 mm

3 / Reduced height angled plates:

Aesthetic and functional improvement. Allows the adaptation to higher category RJ45 connectors in less space



Vertical snap-fit

GAP WITH SILHOUETTE FORMAT

Indicates the correct position of the patch cord.





VOICE AND DATA PLATES WITH SIMON RJ45 CONNECTORS

ANGLED PLATES WITH DUST SHUTTER

Category 6A

ART. NO.	DESCRIPTION	DESCRIPTION	ART. NO.	DESCRIPTION	DESCRIPTION
 50001081	-030 -038 -033 1 connector	FTP	 50001086	-030 -038 -033 2 connectors	FTP

Category 6

ART. NO.	DESCRIPTION	DESCRIPTION	ART. NO.	DESCRIPTION	DESCRIPTION
 50003081	-030 -038 -033 1 connector	FTP	 50003086	-030 -038 -033 2 connectors	FTP
50002081	-030 -038 -033 1 connector	UTP	50002086	-030 -038 -033 2 connectors	UTP

Category 5e



ART. NO.	DESCRIPTION	DESCRIPTION	ART. NO.	DESCRIPTION	DESCRIPTION
 50004081	-030 -038 -033 1 connector	UTP	 50004086	-030 -038 -033 2 connectors	UTP

FLAT PLATES WITH DUST SHUTTER

Category 6A

ART. NO.	DESCRIPTION	DESCRIPTION	ART. NO.	DESCRIPTION	DESCRIPTION
 50001085	-030 -038 -033 1 connector	FTP	 50001089	-030 -038 -033 2 connectors	FTP

Category 6

ART. NO.	DESCRIPTION	DESCRIPTION	ART. NO.	DESCRIPTION	DESCRIPTION
 50003085	-030 -038 -033 1 connector	FTP	 50003089	-030 -038 -033 2 connectors	FTP
50002085	-030 -038 -033 1 connector	UTP	50002089	-030 -038 -033 2 connectors	UTP



Category 5e

ART.NO.	DESCRIPTION	DESCRIPTION	ART.NO.	DESCRIPTION	DESCRIPTION
50004085	-030 -038 -033 1 connector	UTP	50004089	-030 -038 -033 2 connectors	UTP

FLAT PLATES WITH NO DUST SHUTTER

Category 6A

ART.NO.	DESCRIPTION	DESCRIPTION	ART.NO.	DESCRIPTION	DESCRIPTION
50001185	-030 1 connector	FTP	50001189	-030 2 connectors	FTP

Category 6

ART.NO.	DESCRIPTION	DESCRIPTION	ART.NO.	DESCRIPTION	DESCRIPTION
50003185	-030 1 connector	FTP	50003189	-030 2 connectors	FTP
50002185	-030 1 connector	UTP	50002189	-030 2 connectors	UTP

Category 5e

ART.NO.	DESCRIPTION	DESCRIPTION	ART.NO.	DESCRIPTION	DESCRIPTION
50004185	-030 1 connector	UTP	50004189	-030 2 connectors	UTP

SIMON 500 CIMA VOICE & DATA COMPATIBILITY PLATES

ANGLED PLATES FOR OTHER BRAND CONNECTORS

WITH DUST SHUTTER

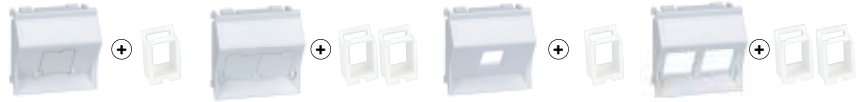
WITH NO DUST SHUTTER

1 connector

2 connectors

1 connector

2 connectors



Available finishes	-030 -038 033		-030 -038 033	
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 SL toolless	50000081.. ⊕ 1 MD67	50000086.. ⊕ 2 MD67	50000181.. ⊕ 1 MD67	50000186.. ⊕ 2 MD67
216000 & 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®) S500K and XS500	50000081.. ⊕ 1 MD67	50000086.. ⊕ 2 MD67	50000181.. ⊕ 1 MD67	50000186.. ⊕ 2 MD67
ERSYS®	50000081.. ⊕ 1 MD64	50000086.. ⊕ 2 MD64	50000181.. ⊕ 1 MD64	50000186.. ⊕ 2 MD64
ADC KRONE®				
KM8 Keystone Series	50000081.. ⊕ 1 MD64	50000086.. ⊕ 2 MD64	50000181.. ⊕ 1 MD64	50000186.. ⊕ 2 MD64
HK Keystone Series	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.. ⊕ 2 MD85	50000186.. ⊕ 2 MD85
ORTRONICS®				
Clarity TechChoice Keystone	50000081.. ⊕ 1 MD64	50000086.. ⊕ 2 MD64	50000181.. ⊕ 1 MD64	50000186.. ⊕ 2 MD64
PANDUIT®				
MINI-COM Series	50000081.. ⊕ 1 MD69	50000086.. ⊕ 2 MD69	50000181.. ⊕ 1 MD69	50000186.. ⊕ 2 MD69
Series Netkey	50000081.. ⊕ 1 MD67	50000086.. ⊕ 2 MD67	50000181.. ⊕ 1 MD67	50000186.. ⊕ 2 MD67
R&M® (REICHLÉ DE MASSARI®)				
CLASSIC Cat. 5e (R925371, R925370)	50000081.. ⊕ 1 MD54	50000086.. ⊕ 2 MD54	50000181.. ⊕ 1 MD54	50000186.. ⊕ 2 MD54
STAR Cat. 6 (R302373, R302372)	50000081.. ⊕ 1 MD54	50000086.. ⊕ 2 MD54	50000181.. ⊕ 1 MD54	50000186.. ⊕ 2 MD54
ADVANCED Cat. 6A (R509500, R509504)	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®				
MAX Keystone Series	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 accepts no responsibility for any changes or modifications made by the connector manufacturer.



SIMON 500 CIMA VOICE & DATA COMPATIBILITY PLATES

FLAT PLATES FOR OTHER BRAND CONNECTORS

WITH DUST SHUTTER

WITH NO DUST SHUTTER

1 connector

2 connectors

1 connector

2 connectors



Available finishes	-030	-038	-030	-038
SIMON	50000085..*	50000089..*	50000185..*	50000189..*
3M® (Volition OCK®: RJ25, K5e, K6)			50011185..	50011189..
AMP netconnect® (TYCO®)				
Standard 110 SL110 and SL toolless	50000085..*	50000089..*	50000185..*	50000189..*
216000 & 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®				
KM8 Keystone Series	50000085..*	50000089..*	50000185..*	50000189..*
HK Keystone Series	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®				
MINI-COM Series	50019085..	50019089..	50019185..	50019189..
Series Netkey	50000085..*	50000089..*	50000185..*	50000189..*
R&M® (REICHLÉ DE MASSARI®)				
CLASSIC Cat. 5e (R925371, R925370)			50020185..*	
STAR Cat. 6 (R302373, R302372)			50020185..*	
ADVANCED Cat. 6A (R509508, R509509)	50000085..*	50000089..*	50000185..*	50000189..*
RIT®	50000085..*	50000089..*	50000185..*	50000189..*
SIEMON®				
MAX Keystone Series			50000185..*	
CT Series			50021186-030	50021186-030
SYSTIMAX® (AVAYA®) (ATT®)	50000085..*	50000089..*	50000185..*	50000189..*

* Also available in 033



Connection system for voice and data networks

ROBUST TELECOMMUNICATIONS

The Category 6A RJ45 connector is a VDM system component designed for 10 Gigabit Ethernet over twisted pairs.

Features:

Keystone-type RJ45 connector, for tool-less connection.

Colour code location 568 A/B to facilitate error-free conductor assignment.

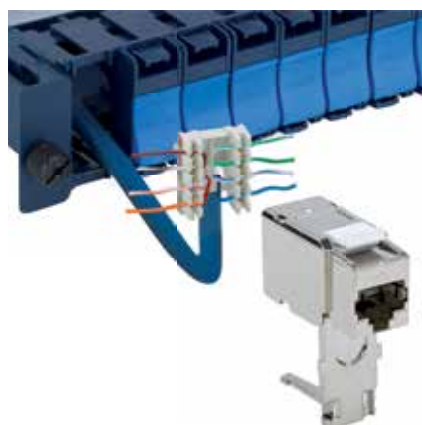
Contacts that accept cables from 24 to 22 AWG.

Design significantly reduces installation time. Manufactured in only two parts and with an integral shielded covering.

Suitable for **shielded cable connection; easy to assemble on site.**

THE SAME CONNECTOR FOR THE ENTIRE SYSTEM

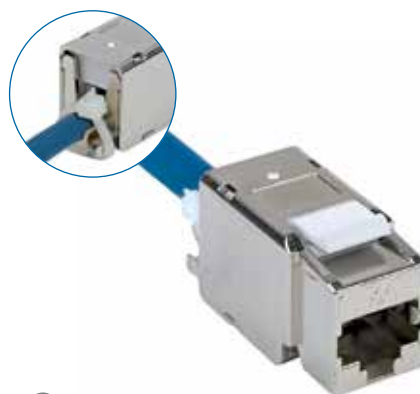
Adaptable to different formats: Patch panels, plates and enclosures in the 500 CIMA range.



QUICK INSTALLATION



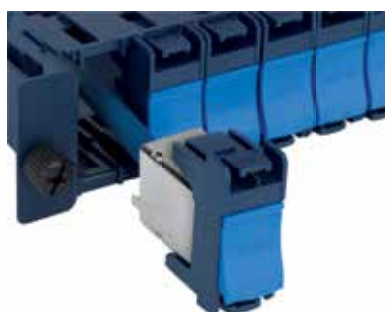
1 Insert the cable



4 Close to connect



2 Separate and fit the pairs



5 Place the module

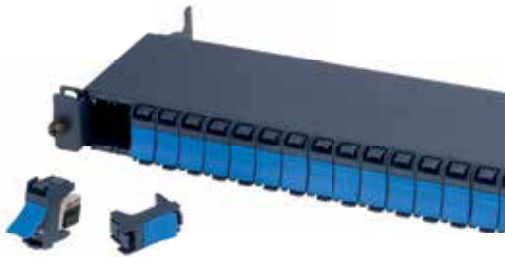


3 Fit to the front



MODULAR PATCH PANELS FOR FTP CATEGORIES 5E, 6 & 6A

Enables optimised assembly and improved maintenance. VDM range panels adapt easily to 19" environments with a high level of density in RJ45 (24 ports in 1U). Features a port location area and an identification panel area.



Features:

- Modular patch panel in 24-port FTP version.
- Independent module removal/insertion for connector installation.
- Built-in dust shutter for maximum connector protection.
- Integrated cable guide.
- Ease and speed of on-site application and subsequent maintenance.
- Metallic blue panel.
- Supplied with no connectors.

FTP CABLE CATEGORY 6A

Voice, data and multimedia transmission cable for applications requiring high bandwidth (up to 10 Gigabit Ethernet). The cable is manufactured to international standards: ISO/IEC 11801, ANSI/TIA-568 C.2 Offering exceptional performance and ease of connection on site.



Features:

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

REGULATIONS

The features of the Cat. 6A connector ensure compliance with specifications for Category 6A/Class Ea, extended to 500 MHz.

Fire Standards:

- No flame propagation
- 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
- IEC 60603-7
- UL-94 V-O

RJ45 CONNECTORS

Connectors with 360° shielding (FTP version) and Keystone-type format, offering optimum performance and connection technology without specific tools (Cat. 6A) allowing quick and reliable assembly.

CATEGORY 6A



ART. NO.	DESCRIPTION	CATEGORY	TYPE
CJ6A45F	RJ45 connector	6A	FTP

CATEGORY 6



ART. NO.	DESCRIPTION	CATEGORY	TYPE
CJ645FM	RJ45 connector	6	FTP
CJ645U	RJ45 connector	6	UTP

CATEGORY 5e



ART. NO.	DESCRIPTION	CATEGORY	TYPE
CJ545FM	RJ45 connector	5e	FTP
CJ545U	RJ45 connector	5e	UTP

VOICE & DATA PATCH PANELS

Compatible with all RJ45 FTP connectors (shielded) in the VDM range. Individual cable fastening. Individual connector removal / insertion. Ensuring direct mass recovery with shielded connectors. Panel earth connection ensures cabinet continuity.

MODULAR PATCH PANELS



ART. NO.	DESCRIPTION	CATEGORY	TYPE
CP56A24F	Modular patch panel, 19" 1U 24 x RJ45 ports	5e, 6 and 6A	FTP
CP5624U	Modular patch panel, 19" 1U 24 x RJ45 ports	5e and 6	UTP

INTEGRATED PATCH PANELS



ART. NO.	DESCRIPTION	CATEGORY	TYPE
CP524U	Integrated patch panel, 19" 1U 24 x RJ45 ports	5e	UTP
CP624U	Integrated patch panel, 19" 1U 24 x RJ45 ports	6	UTP
CP524F	Integrated patch panel, 19" 1U 24 x RJ45 ports	5e	FTP
CP624F	Integrated patch panel, 19" 1U 24 x RJ45 ports	6	FTP



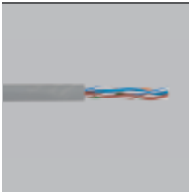
CABLE MANAGER



ART. NO.	DESCRIPTION
CP0001	Cable manager for 19" rack cabinets, 1U

VOICE AND DATA CABLES

WITH PVC SHEATH



ART. NO.	DESCRIPTION
CB531U	Voice and Data Cable, Cat. 5e UTP in 305 m box

WITH LSZH (HALOGEN-FREE) SHEATH



ART. NO.	DESCRIPTION
CB6A50FD	Voice and Data Cable, Cat. 6A FTP LSZH (halogen-free) on 500 m reel



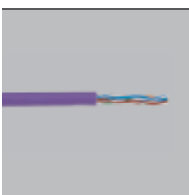
ART. NO.	DESCRIPTION
CB650FD	Voice and Data Cable, Cat. 6 FTP LSZH (halogen-free) on 500 m reel



ART. NO.	DESCRIPTION
CB530F	Voice and Data Cable, Cat. 5e FTP LSZH (halogen-free) on 305 m reel



ART. NO.	DESCRIPTION
CB630U	Voice and Data Cable, Cat. 6 UTP LSZH (halogen-free) on 305 m reel



ART. NO.	DESCRIPTION
CB530U	Voice and Data Cable, Cat. 5e UTP LSZH (halogen-free) on 305 m reel





Miscellaneous plates

ADAPTER PLATES FOR SIMON K45 SOLUTIONS



Horizontal snap-fit
Vertical snap-fit

Art. No. 50012088...

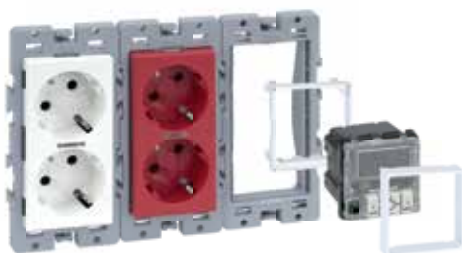
ADAPTER PLATES FOR SIMON 27 SOLUTIONS



Vertical snap-fit

Individual art.no.: 50010088...

ADAPTER PLATES FOR SIMON 27 ELECTRONIC SOLUTIONS



Art. No. 50011088...



Vertical snap-fit

Double art.no.: 50000088...

ADAPTER PLATES

Adapter plates for SIMON K45 SOLUTIONS
Art. No. 50012088...



16 AX switching mechanisms



Individual electrical sockets



Multimedia connectors



USB charger



Protection and safety



Cable outlet and quick connection

Adapter plates for Simon 27 SOLUTIONS
Individual art.no.: 50010088... Double art.no.: 50000088...



Switching Mechanisms



Mechanisms 10 AX 250 V ac



Venetian blind switching



Individual electrical sockets



Multimedia connectors

Adapter plates for Simon 27 electronic SOLUTIONS
Art. No. 50011088...



Timers and clocks



Temperature control



Sound



Light Control and Dimming



Signalling and beaconing



Protection and safety



Buzzer



FINISH ▶

/9 -030
White/6
Red/14 -038
Graphite/8 -033
Aluminium/7
Orange

ADAPTER PLATE FOR K45 SOLUTIONS



ART. NO.	DESCRIPTION
50012088 -030 -038 /033	Individual adapter plate for K45 solutions

COMPATIBLE SOLUTIONS

16 AX SINGLE-POLE SWITCHING MECHANISMS

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
K301	16 AX K45 single-pole two-way switch	K302	16 AX K45 single-pole two-way switch with pilot light
K110 /9 /14 /8 K109 /9 /14 /8	+ ROCK-ERS	K112 /9 /14 /8 K115 /9 /14 /8	+ ROCK-ERS

16 A SINGLE-POLE PUSH-BUTTON SWITCHING MECHANISMS

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
K303	16 A K45 single-pole push-button switch Does not allow 2 narrow module mechanisms to be combined in the same adapter plate.	K304	16 A K45 single-pole push-button switch with indicator light function Does not allow 2 narrow module mechanisms to be combined in the same adapter plate.
K110 /9 /14 /8 K109 /9 /14 /8	+ ROCK-ERS	K114 /9 /14 /8 K113 /9 /14 /8	+ ROCK-ERS

16 AX 2-POLE ONE-WAY SWITCHING MECHANISMS



ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
K125A /9 /14	16 AX 2-pole one-way push-button switch with K45 plate	KL04 /9 /14	16 AX 2-pole one-way switch with indicator light function and K45 plate

ELECTRICAL SOCKETS WITH SCREW-TERMINAL CONNECTION




ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
K01 /9 /6 /14 /8 /7	German socket with safety shutter	K02 /9 /6 /14 /8	French socket with safety shutter

FINISH ▶





/9 White	/6 Red	/14 Graphite	/8 Aluminium	/7 Orange	/27 Green
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ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
 KLS01 /9 /6 /14 /7	German socket with safety and protective shutter with indicator light function (pin included)	KLS02 /9 /6 /14	French socket with safety and protective shutter with indicator light function (pin included)
 KL01 /9 /6 /14 /7	German socket with safety shutter and indicator light function	KL02 /9 /6 /14	French socket with safety shutter and indicator light function

ELECTRICAL SOCKETS WITH QUICK-TERMINAL CONNECTION

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
 K11 /9 /6 /14 /8 /7 /27	German socket with safety shutter	K22 /9 /6 /14 /8 /7 /27	French socket with safety shutter
 KS11 /9 /6 /14	German socket with safety and protective shutter (pin included)	KS22 /9 /6 /14	French socket with safety and protective shutter (pin included)
 K106A /9 /14 /8	10 A curve C MCB with K45 plate		

TV-SAT SOCKETS

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
 K130 A /9 /14 /8	TV socket with K45 plate Individual male TV socket + IEC female SAT. Screw connection	 K120 A /9 /14 /8	TV socket with K45 plate Single IEC male TV socket. Screw connection
 K102B /9 /14 /8	Single IEC female TV socket with narrow K45 plate. Soldered connection	 K102C /9 /14 /8	Single female satellite socket with narrow K45 plate Soldered connection



PLATES FOR XLR CONNECTORS

ART. NO.	DESCRIPTION
K122 /9 /14 /8	K45 wide plate for one male or female XLR connector.

MULTIMEDIA CONNECTORS


ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
K101B /9 /14 /8	2 RCA audio connectors with narrow K45 plate. Screw connection	K105B /9 /14 /8	3 RCA audio-video connectors with narrow K45 plate. Screw connection
K128B /9 /14 /8	Type "A" female USB connector with narrow K45 plate. Screw connection	K131B /9	Type "B" USB connector, female, with 1/2 mechanism K45 plate. Female-female connection.
K100B /9 /14 /8	Female VGA connector with K45 plate. Screw connection	K103B /9 /14 /8	Female S-video connector with narrow K45 plate. Screw connection
K129B /9 /14 /8	Female HDMI connector with narrow K45 plate. Female-female connection.	K102D /9 /14 /8	75 Ω BNC connector with narrow K45 plate. Soldered connection
K123B /9 /14 /8	Mini-jack connector with narrow K45 plate. Screw connection		


QUICK-CONNECT CONNECTORS


ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
 K121 A /9 /14	3-pole male quick connector with K45 plate.	 K121 B /9 /14	3-pole female quick connector with K45 plate.

IEC 320 QUICK-CONNECT CONNECTORS



ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
 K305 A /9 /14	IEC 320 male quick connector with K45 plate	 K306 A /9 /14	IEC 320 female quick connector with K45 plate

ART. NO.	DESCRIPTION
 K121 /9 /14	Narrow K45 plate for one 3-pole male or female quick-connect connector

ART. NO.	DESCRIPTION
 KB18 /9 /14	Wide K45 plate for two 3-pole male or female quick-connect connectors

ART. NO.	DESCRIPTION
 K18 /9 /14	Wide K45 plate for one 3-pole male or female quick-connect connector

CABLING INLET AND OUTLET PLATES

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
 K10 /9 /14 /8	K45 plate for cable outlets. Includes rings to fasten cables using cable ties.	 K20 /9 /14	K45 cable inlet plate with retainer included (2xØ 13 mm & 4xØ 6 mm)

BLIND PLATES

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
 K105 /9 /14 /8	Narrow K45 blind plate	 K17 /9 /14	Wide K45 blind plate

ART. NO.	DESCRIPTION
K126A /9 /14 /8	1.5 A 5 V dc K45 USB charger with micro USB patch cord

ART. NO.	DESCRIPTION
K126B /9 /14 /8	1.5 A 5 V dc K45 USB charger

ADAPTER PLATES FOR SIMON 27 SOLUTIONS

ART. NO.	DESCRIPTION
50010088 -030 -038	Individual adapter plate for Simon 27 solutions Vertical snap fit

ART. NO.	DESCRIPTION
50000088 -030 -038	Double adapter plate for Simon 27 solutions Vertical snap fit

COMPATIBLE SOLUTIONS

10/16 AX, 250 V ac SWITCHING MECHANISMS

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
27101 -65	1-pole one-way switch	27201 -64	Two-way switch
27133 -65	2-pole one-way switch, 16 AX 250 V ac	27101 -64 -66	1-pole one-way switch
27201 -65 -67	Two-way switch	27211 -64	Two-way switch, 16 AX 250 V ac
27211 -65	Two-way switch, 16 AX 250 V ac	27251 -64	Intermediate switch
27251 -65	Intermediate switch		

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
27150 -65	"Bell" push-button switch	27150 -64	"Bell" push-button switch
27151 -65	"Light" push-button switch	27151 -64	"Light" push-button switch
27659 -65 -67	Neutral push-button switch	27659 -64	Neutral push-button switch

10/16 AX, 250 V ac SWITCHING MECHANISMS WITH VIEWER

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
27104 -65	1-pole one-way switch, with built-in light	27104 -64	1-pole one-way switch, with built-in light
27204 -65 -67	Two-way switch, with built-in light	27204 -64 -66	Two-way switch, with built-in light
27212 -65 -67	Two-way switch with built-in light	27254 -64	"Intermediate" switch with built-in light
27254 -65	"Intermediate" switch with built-in light		

FINISH	-35 -64 -65 White	-68 Red	-38 Graphite	-37 -67 Aluminium
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ART. NO.	DESCRIPTION
27160 -65	"Bell" push-button switch with built-in light
27161 -65	"Light" push-button switch with built-in light
27669 -65 -67	Neutral push-button switch with built-in light

ART. NO.	DESCRIPTION
27160 -64	"Bell" push-button switch with built-in light
27161 -64	"Light" push-button switch with built-in light
27669 -64	Neutral push-button switch with built-in light

ART. NO.	DESCRIPTION
27102 -65	1-pole one-way switch, with built-in pilot
27134 -65	2-pole one-way switch, 16 AX 250 V ac, with built-pilot
27202 -65	Two-way switch, with built-in pilot
27212 -65	Two-way switch, 16 AX 250 V ac, with built-in pilot

ART. NO.	DESCRIPTION
27102 -64	1-pole one-way switch, with built-in pilot
27134 -64	2-pole one-way switch, 16 AX 250 V ac, with built-in pilot
27202 -64	Two-way switch, with built-in pilot

CONTROL MECHANISMS

ART. NO.	DESCRIPTION
27521 -65	Two-way switch with 2 position key, 2.5 A 250 V ac (key can be removed in both positions)
27523 -65	Two-way switch with 3 position key, 2.5 A 250 V ac (key can be removed in position 0)

ELECTRICAL SOCKETS, 16 A 250 V ac

ART. NO.	DESCRIPTION
27432 -65	2-pole, with lateral German earth connection, with safety device and quick-terminal connection
27472 -65 -67	2-pole, with lateral German earth connection, with safety device and screw-terminal connection
27432 -68	2-pole, with lateral German earth connection, with safety device and quick-terminal connection Red for identification of special circuits

ART. NO.	DESCRIPTION
2700041 -38	Lid for German socket base

ART. NO.	DESCRIPTION
27490 -35 -37	2-pole, with lateral German earth connection, with safety device, with lid and screw-terminal connection

ART. NO.	DESCRIPTION
27458 -35	2-pole, with French system earth connection and safety device, screw-terminal connection
27431 -65	2-pole with safety device

ART. NO.	DESCRIPTION
27431 -64	2-pole, 10 A 250 V ac (for export).



FINISH ▶

-34 -35 -64 -65
White-38 -038
Graphite

ART. NO.	DESCRIPTION
27442 -64	2-pole, offset earth connection, 10 A 250 V ac (for export).

ART. NO.	DESCRIPTION
27439 -35 038	Mixed polarised socket outlet (European/American) with earth connection, 15 A 125 V ac or 16 A 250 V ac. (for export).

ART. NO.	DESCRIPTION
27422 -64	2-pole polarised American, with earth connection, 15 A 125 V ac (for export).

ART. NO.	DESCRIPTION
27438 -34	2-pole mixed, European/American, 15 A 125 V ac or 16 A 250 V ac. (for export).

VENETIAN BLIND SWITCHING






ART. NO.	DESCRIPTION
27333 -65	Three position blind management switch, 10 A 250 V ac (raise, lower and stop).

ART. NO.	DESCRIPTION
27333 -64	Three position blind management switch, 10 A 250 V ac (raise, lower and stop).



ART. NO.	DESCRIPTION
2700033 038	Rocker for 3-position blind switch, graphite.

ART. NO.	DESCRIPTION
27332 -35	Group of 2 push-button switches for blinds, 10 A 250 V ac Mechanisms with electrical safety interlock, preventing simultaneous actuation


MULTIMEDIA CONNECTORS

	ART. NO. 2700091 -030 -038	DESCRIPTION Female VGA connector Screw connection
	ART. NO. 2701090 -030 -038	DESCRIPTION Type "A" female USB connector Screw connection
	ART. NO. 2701092 -030 -038	DESCRIPTION Mini-jack connector Screw connection
	ART. NO. 2701093 -030 -038	DESCRIPTION 3 RCA audio-video connectors. Screw connection
	ART. NO. 2701094 -030 -038	DESCRIPTION HDMI connector Female-female connection

USB CHARGER

	ART. NO. 75405-39	DESCRIPTION 5 V dc USB charger socket port with micro-USB patch cord, 1.5 A.
+ COVER 	ART. NO. 27039 -35 -038	DESCRIPTION Cover for USB charger mechanism

SIGNALLING AND BEACONING

	ART. NO. 27805 -65	DESCRIPTION Pass-wait switch for wide module
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FINISH

-030 -34 -35 -64
White-038
Graphite

ART. NO.	DESCRIPTION
27805 -64	Pass-wait switch for narrow module

ART. NO.	DESCRIPTION
27808 -34	Illuminated indicator with clear diffuser, built-in 130/250 V ac neon lamp
27810 -34	Illuminated indicator with red diffuser, built-in 130/250 V ac neon lamp

CONTROL AND DIMMING

ART. NO.	DESCRIPTION	Power Supply	Power and type of load	
2721313-039	Electromagnetic transformer dimmer module Auxiliary input for dimming using conventional push-button switches (maximum 5)	230 V ac	40 - 500 W	50 - 350 VA

ART. NO.	DESCRIPTION	Power Supply	Power and type of load	
2721316-039	Electronic transformer regulator module Auxiliary input for dimming using conventional push-button switches (maximum 5) We recommend installation of Simon electronic transformers (Ref. 75351 and 75352)	230 V ac	40 - 400 W	50 - 400 VA

ADAPTER PLATES FOR SIMON 27 ELECTRONIC SOLUTIONS

ART. NO.	DESCRIPTION
50011088 -030 -033	Individual adapter plate for Simon 27 electronic products

COMPATIBLE ELECTRONIC SOLUTIONS

VENETIAN BLIND SWITCHING

ART. NO.	DESCRIPTION
75820-39	Digital scheduler for blinds, with display 230 V ac power supply, 50/60 Hz. - Combined with item 75358-39, enables centralised blind control. - Enables scheduling of raising/lowering operations. - Enables presence simulations with blinds. - 3 languages: Spanish, English and Portuguese. - Summer/winter changeover. - Relay output 5 (1) A.
27555 -35	+ COVER

FINISH ▶ -34 -35
White

ART. NO.	DESCRIPTION	Power Supply	Angle	Range	Duration	Intensity	Power and load				
		230 V ac	90°	5 m	10 s-15 min	0-1000 lux	500 W	300 VA	300 VA	80 VA	150 VA
27342	-34 One-way switch- Presence detector										
We recommend installation with Simon electronic transformer (Ref. 75351 or 75352)											

ART. NO.	DESCRIPTION
75820-39	Presence detector Power Supply: 230 V ac Angle of coverage: 180° Approximate Range: 9 metres. Signal duration: 4 seconds - 10 minutes. Light intensity regulation: 0 - 1000 lux. For the following loads: 2600 W incandescent and halogens. - Halogens with electromagnetic transformer, 650 VA - Halogens with electronic transformer, 550 VA - Fluorescent, 520 VA - Small motors, 3 A - Dulux lamps, 100 W (max. 4 lamps).

+ COVER		27060	-35
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ART. NO.	DESCRIPTION	Power Supply	Power and type of load
75317-39	Electronic dimmer for FLUORESCENT lamps (one or two-way switch). For electronic dimmable ballasts (1-10 V bus). Includes F 0.5 A protection fuse and spare fuse (Ref. 31927-31).	230 V ac	3 A

+ COVER		27060	-35
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ART. NO.	DESCRIPTION	Power Supply	Power and type of load		
75319-39	UNIVERSAL electronic dimmer (one or two-way switch), from 40 to 500 W/VA. Installation necessary of Simon electronic transformers (Ref. 75351 and 75352). Includes TSA protection fuse and spare fuse (Ref. 31929-31)	230 V ac	40 - 500 W 	40 - 500 W 	40 - 300 W






+ COVER		75054	-35
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ART. NO.	DESCRIPTION	Power Supply	Power and type of load		
75310-39	2-level Two-way light switch. We recommend installation with Simon electronic transformer (Ref. 75351 or 75352)	230 V ac	40 - 500 W 	50 - 500 VA 	40 - 300 VA

+ COVER		27007	-35
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ART. NO.	DESCRIPTION	Power Supply	Timing	Power and Load Types		
75324-39	Two-way timer switch, 2 functions	230 V ac	30 s - 120 min	40 - 500 W 	50 - 500 VA 	40 - 300 VA

+ COVER		27007	-35
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ART. NO.	DESCRIPTION	Power Supply	Timing	Power and Load Types				
				750 W	750 VA	350 VA	460 VA	78 VA
75325-39	Timed push-button switch	230 V ac	4 s - 10 min					

ART. NO.	DESCRIPTION	Power Supply	Power and type of load
27313 -34	Electronic voltage regulator, (one or two-way switch), from 40 to 500 W/VA <small>Includes T 2.5 A protection fuse and spare fuse (Ref. 319293-31)</small>	230 V ac	40 - 500 W 40 - 350 W  

SIGNALLING AND BEACONING

ART. NO.	DESCRIPTION	Power Supply	Light Beam	Operating Time	Initial Charging Time
75809-39	Standalone emergency beacon. with indicator light indicating mains connection.	230 V ac	5 lux	1 hour	24 hours

ART. NO.	DESCRIPTION
27804 -64	Pass/wait with red/green viewer (Requires switch 27805 when using pass-wait)

PROTECTION AND SAFETY

ART. NO.	DESCRIPTION	Power Supply
75860 -30	Flood detector. Requires power supply (Ref. 75870-30) Connect a single technical detector to each power supply Includes flood probe. Permits connection of a maximum of 3 probes (Ref. 81864-39) A water solenoid valve can be connected (Ref. 81870-39)	12 V ac

ART. NO.	DESCRIPTION	Power Supply
75861 -30	Gas detector. Requires power supply (Ref. 75870-30) Connect a single technical detector to each power supply A gas solenoid valve can be connected (Ref. 81871-39)	12 V ac

ART. NO.	DESCRIPTION	Power Supply	Output
75870 -30	Power supply. For gas detector (Ref. 75861-30) and flood detector (Ref. 75860-30). Connect only one power supply per detector.	230 V ac	12 V ac



ART. NO.	DESCRIPTION	Power Supply	Protection Level	In (8/20)
75420-30	Atmospheric overvoltage limiter. · Fine protection. · Pilot display of operation. · Needs to be used with item 68845-31.	230 V ac	1.5 kV	2.5 kV

TEMPERATURE CONTROL



ART. NO.	ART. NO.	Control	Max. current	Power Supply	Regulation	Tolerance	Modes
75816-39	Digital thermostat with display. Languages: Spanish, English and Portuguese. Automatic summer-winter changeover	Air conditioning Heating	8 (2 inductive) A	230 V ac	-	-	Manual ON/OFF



27555 -35



ART. NO.	DESCRIPTION	Control	Max. current	Power Supply	Regulation	Tolerance	Modes
75817-39	Digital thermostat/timer with display. Languages: Spanish, English and Portuguese. Automatic summer-winter changeover	Air conditioning Heating	8 (2 inductive) A	230 V ac	-	-	Automatic, 8 programs which can be assigned to each hour/day/week + Manual mode ON/OFF



27555 -35

TIMERS AND CLOCKS



ART. NO.	DESCRIPTION	Control	Max. current	Power Supply	Regulation	Tolerance	Modes
75815-39	Digital alarm clock with display Languages: Spanish, English and Portuguese. Automatic summer-winter changeover Operation: Home: resettable alarm. Hotel: non-resettable alarm	2 hour/day/ week alarms		230 V ac	-	-	2 hour/day/week alarms 2 hour/day/week alarms



27555 -35



ART. NO.	DESCRIPTION	Control	Max. current	Power Supply	Regulation	Tolerance	Modes
75818-39	Digital timer switch with display Languages: Spanish, English and Portuguese. Automatic summer-winter changeover	Operation ON/OFF Countdown: Hours/ minutes	8 (2 inductive) A	230 V ac	-	-	Automatic (20 programs) Random mode



27555 -35

ART.NO.	DESCRIPTION	Control	Max. current	Power Supply	Regulation	Tolerance	Modes
75819-39	Astronomical digital time switch With display Languages: Spanish, English and Portuguese Automatic summer-winter changeover	Operation ON/OFF	8 (2 inductive) A	230 V ac	-	-	Spanish and Portuguese cities

+ COVER

**27555** -35

MISCELLANEOUS

ART.NO.	DESCRIPTION	Power Supply	Terminal connection
27806	Buzzer	125/230 V ac	Screw

SOUND

ART.NO.	DESCRIPTION	Power Supply	FM Tuner	Luminaire Output	Memories
75252-39	Digital radio with display · Auto-off function · Headphone output · SCAN mode. · No panel required	110-230 V ac	87.5-108 MHz	1 W	4

+ COVER

**27058** -35

ART.NO.	DESCRIPTION	Power Supply	Mono Installation	Stereo installation
05212-39	Digital control with Walkman input and headphone output	Using panel 05031-39	Max. 4x32 ohm speakers	Max. 4x32 ohm speakers per channel

+ COVER

**05012** -30

ART.NO.	DESCRIPTION	Power Supply	FM Tuner	Mono Installation	Stereo installation
05222-39	Digital control with FM tuner input and headphone output	Using panel 05031-39	87.5-108 MHz	Max. 4x32 ohm speakers	Max. 4x32 ohm speakers per channel

+ COVER

**05022** -30

FINISH ▶

-30 -030
White-038
Graphite-033
Aluminium

ART. NO.	DESCRIPTION	Power Supply	Mono Installation	Stereo installation
05232-39	Digital control with broadcast and receipt of notifications, headphone output and Walkman input	Using panel 05031-39	Max. 4 x 32 ohm speakers	Max. 4 x 32 ohm speakers per channel

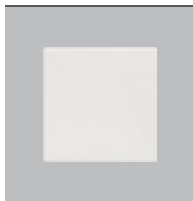
+ COVER

**05032** -30

SIMON 500 CIMA BLIND PLATES



ART. NO.	DESCRIPTION
50000800 -030 -038 -033	Double blind plate



ART. NO.	DESCRIPTION
50010800 -030 -038 -033	Individual blind plate



Elements and plates for circuit protection



SELF-EXTINGUISHING AND HALOGEN-FREE MATERIALS

Guaranteeing safety for people and security of equipment.

DIN RAIL ADAPTER

Allows integration of any 1-double module solution with DIN format.

DESIGN

Design and integration of protection elements in all Simon 500 Cima enclosures.

MAINTENANCE

Trim plates enable maintenance and checking of connections without the need to uninstall the box.

INSTALLATION OF PROTECTION ELEMENTS

Installation sequence in Simon 500 CIMA



Installation sequence in floor boxes



PROTECTION ELEMENTS

FOR WALL BOXES, MINI-TOWERS, MINI-COLUMNS, COLUMNS AND METAL ENCLOSURES.

ART. NO.	DESCRIPTION	MAXIMUM current
50000075 -030 -038	2-pole MCB with trim plate	16 A
50001075 -030 -038	2-pole MCB with trim plate	10 A

ART. NO.	DESCRIPTION	MAXIMUM current
50002075 -030 -038	RCCB, sensitivity I Δ N of 30 mA with trim plate	30 mA

ART. NO.	DESCRIPTION
50000074 -030 -038	Plate for MCB or RCCB



FOR FLOOR BOXES

ART. NO.	DESCRIPTION	MAXIMUM current
50010075 -030 -038	2-pole MCB with trim plate	16 A
50011075 -030 -038	2-pole MCB with trim plate	10 A

ART. NO.	DESCRIPTION	MAXIMUM current
50012075 -030 -038	RCCB, sensitivity I Δ N of 30 mA with trim plate	30 mA

ART. NO.	DESCRIPTION
50010074 -030 -038	Plate for MCB or RCCB

SPARE PARTS

	ART. NO.	DESCRIPTION
	5000076-039	DIN rail adapter for wall boxes, mini-towers, mini-columns, columns and metal enclosures
	ART. NO.	DESCRIPTION
	50010076-039	DIN rail adapter for floor boxes

Simon | K45

INSTALLATION SYSTEM SUITABLE FOR ALL TYPES OF ENVIRONMENT



Designed to allow quick installation in any environment. The wide range of solutions enables the convergence of electrical connectivity, protection, voice, data and multimedia solutions for quick installation by direct snap-fitting of solutions into the enclosure without the need for accessories or tools.

INSTALLATION SYSTEM

Flush-mount in the floor	88
In furniture	90
Fixed to and flush-mount in the wall	104
Fixed to wall and floor	114
Fixed to ceiling	118

SOLUTIONS

Mechanisms and rockers	126
Sockets and covers for electrical outlets	130
Connectors and plates for voice and data connections	134
Elements and plates for circuit protection	140
Connectors and plates for multimedia connections	142
Connectors and plates for quick connections	146
Miscellaneous plates	148

A WIDE RANGE FOR ALL KINDS OF NEEDS

Convergence of power, voice, data, protection and multimedia solutions in any installation on wall, floor, ceiling and furniture. Enclosures with stylish, high quality design, ready to be subjected to daily use, coexisting in spaces with large numbers of people circulating.



FURNITURE



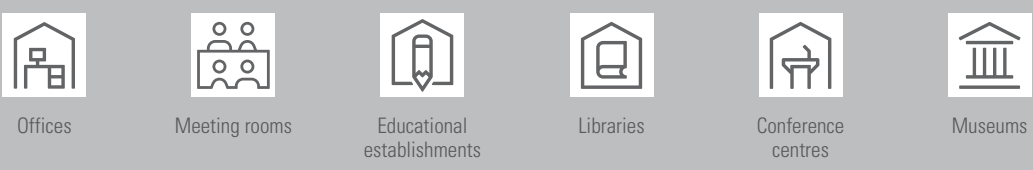
WALL

CEILING



FLOOR

Installation systems flush - mount in the floor



THE OPTIMUM SOLUTION FOR SHALLOW FLOORS

1 / Trim

For a perfect finish (optional)

2 / Lid

The lid has a 6 mm thick space to match the floor finish with the hinged lid (carpet, parquet or other finishes). With 3 opening positions (3 double module box) and 2 separate rubber cable outlets.

3 / Versatile pre-punching

The mechanism-holders have 10 mm and 20 mm pre-punched holes for tube and two pre-punched gaps for Voice and Data cable cabling.

4 / Mechanism-holders

Plug&Play mechanism-holder modules for quick and easy installation.

5 / Shallow

The optimum solution for shallow floors.

6 / Concrete floor tray

A necessary element in concrete floor installation. Not needed, however, in raised floors (technical floors).



INTEGRATION INTO ANY SPACE

Angled mechanisms enable closing the lid when the box is connected to conceal the connections



COMPATIBLE WITH HIGHER CATEGORIES

No bending of the voice and data or multimedia cables thanks to the angled mechanism position and pre-punched entrance gaps.



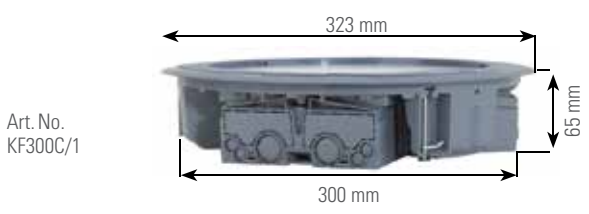
ADAPTABLE TO FURNITURE CHANGES IN THE OFFICE

The 2 separate cable outlets and the lid opening positions mean they can be adapted to changes in furniture positioning.






SHALLOW

The ideal solution for shallow floors, whether concrete or raised.







SHALLOW FLOOR BOXES





SQUARE FLOOR BOX

	ART. NO.	DESCRIPTION
	KF200 	4 wide and 2 narrow K45 mechanisms
+ TRIM COVER 	52053202-035	


CIRCULAR FLOOR BOX



	ART. NO.	DESCRIPTION
	KF300C 	6 wide and 3 narrow K45 mechanisms
+ TRIM COVER 	52053203-035	

SQUARE FLOOR BOX

	ART. NO.	DESCRIPTION
	KF400 	8 wide and 4 narrow K45 mechanisms
+ TRIM COVER 	52053204-035	

TRAYS FOR CONCRETE FLOOR

	ART. NO.	DESCRIPTION		ART. NO.	DESCRIPTION		ART. NO.	DESCRIPTION
	G201	For art.no. KF200 		G301C	For art.no. KF300C 		G401	For art.no. KF400 

		QTY.	ART. NO. / FINISH	DESCRIPTION	
		ENCLOSURE	1	KF300C/1	Circular floor box for 6 wide and 3 narrow K45 mechanisms
			1	52050203-035	Trim cover for K45 circular floor box, grey
			1	G301C	Concrete floor tray for K45 circular floor box
		ELECTRICAL SOCKETS AND PLATES	2	K01/14	K45 German socket with protective shutter, graphite
			2	K01/6	K45 German socket with protective shutter, red
			2	KB96U/14	Flat V&D plate with dust shutter and 2 RJ45 Cat.6 UTP, graphite

Installation systems in furniture



Direct snap-fit



Offices



Auditoriums



Hotels



Meeting rooms



WiFi area



Kitchens

RESOLVES ANY POSSIBLE CONNECTION NEED, ADAPTING TO ALL KINDS OF FURNITURE

SUPPLIED WITH ALL NECESSARY MATERIAL

K45 Teleblock profile is supplied with 1 wide blind plate, 2 narrow blind plates, metallic separation plate, insert ring (with push-pull or gas cylinder), fastening thread and all necessary hardware. (Cover and trim frame supplied separately)

Mechanisms, electrical sockets and plates from page 126



1



2



3



AUTOMATIC ELEVATION

Also available with manual elevation system

MAXIMUM INTEGRATION

Once connected and closed, integrates perfectly into the furniture, concealing all connections and acting as cable outlet.



DIVERSITY OF CABLE ACCESS



TELEBLOCKS FOR CONFIGURATION

ART. NO.	DESCRIPTION
KTL202	For 2 wide K45 mechanisms, with manual elevation
KTL203	For 3 wide K45 mechanisms, with manual elevation
KTL204	For 4 wide K45 mechanisms, with manual elevation
KTLE205	For 5 wide K45 mechanisms, with automatic elevation
KTL205	For 5 wide K45 mechanisms, with manual elevation
KTL206	For 6 wide K45 mechanisms, with manual elevation

+ COVER
& TRIM
FRAME**KTLA1** /14**KTLA1** /31

ASSEMBLED AND WIRED TELEBLOCKS

ART. NO.	DESCRIPTION
KTLE216U	Includes 2 graphite German sockets, 2 red German sockets, 2 RJ45 connectors, Cat. 6 UTP Automatic elevation.*
KTL216U	Includes 2 graphite German sockets, 2 red German sockets, 2 RJ45 connectors, Cat. 6 UTP Manual elevation.*
KTL212	Includes 2 graphite German sockets and 1 electrical patch cord, 3x2.5 mm with German plug Manual elevation

*Includes 2 electrical patch cords, 3x2.5 mm², 2 m long and German plug and 2 voice and data patch cords, Cat. 6 UTP, 2 m long

+ COVER
& TRIM
FRAME**KTLA1** /14**KTLA1** /31

ACCESSORIES & INSTALLATION COMPLEMENTS

ART. NO.	DESCRIPTION
K66	90° Positioner for K45 plates in K45 columns or vertical profiles


ART. NO.	DESCRIPTION
TS10 /8 /14	Ø 102 mm grommet for desk or raised floor


INSTALLATION TOOLS

ART. NO.	DESCRIPTION
H114	Cylinder saw, 114 mm diameter, for Teleblock installation


ART. NO.	DESCRIPTION
H114U	Shaft for H114 annular cutter


SPARE PARTS FOR K45 TELEBLOCK, AUTOMATIC ELEVATION


ART. NO.	DESCRIPTION
 KTLA2	Gas cylinder for automatic elevation


ART. NO.	DESCRIPTION
 KTLA7	Desk fastening bracket for automatic elevation



SPARE PARTS FOR K45 TELEBLOCK, MANUAL ELEVATION

ART. NO.	DESCRIPTION
 KTLA3	Push-pull module for manual elevation

ART. NO.	DESCRIPTION
 KTLA4	Desk fastening bracket for manual elevation

ART. NO.	DESCRIPTION
 KTLA5	Top closure

ART. NO.	DESCRIPTION
 KTLA6	Bottom closure

		QTY.	ART. NO. / FINISH	DESCRIPTION
 CONFIGURATION EXAMPLE		1	KTLE205	K45 Teleblock for 5 wide K45 mechanisms, automatic elevation
		1	KTLA1/14	Cover and trim frame, graphite
ELECTRICAL SOCKETS AND PLATES		2	K11/8	K45 German socket with quick-terminal connection, aluminium
		1	AC11	Electrical socket linker to enable K45 quick-terminal connection sockets to be connected with no need for wiring
		1	K100B/8	VGA female connector with wide K45 plate, aluminium Screw connection
		1	K66	90° positioner for K45 VDM plates
		1	KB8096U/8	Angled V&D plate with dust shutter and 2 RJ45 Cat.6 UTP, aluminium
		1	K20/8	K45 cable inlet plate with retainer included, aluminium
		1	TC250/0	Cable manager, Ø 25 mm & 2 metre long

Installation systems in furniture



Direct snap-fit



Offices



Libraries



Universities



Laboratories



Meeting rooms



Homes

MODULARITY AND FLEXIBILITY

INSTALLATION OPTIONS

- Desk top
- Under desk
- Raised floor
- Wall-mounted
- Wall in screen or furniture
- Metal surface with magnet
- DIN rail



SUPPLIED WITH ALL NECESSARY MATERIAL

Each K45 Ofiblock Plus is supplied with aluminium profile, frame-holders, hardware, metal divider plate, 2 earth connections and 2 blind plates (one front and one side).



Mechanisms, electrical sockets and plates from page 126

DIVERSITY OF CABLE ACCESS



quick-connect.
Connectors and Patch Cords on page 146

K19/14

Conduit input plate

K19/14

Cable gland plate >

TC250/0
cable manager

KB18A/14
K121A/14
K121B/14
Quick-connect
connectors

K21/14
Plate for 20x30
mini-trunking access

K18/14

Plate for
quick-connect
connectors

K305A/14
IEC 320
connection

K20/14

Combined plate for
electrical wiring
and voice/data
cabling

K10/14

Cabling outlet

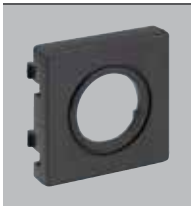
OFIBLOCK PLUS*



ART. NO.		DESCRIPTION
KFP101	/14	For 1 wide K45 mechanism
KFP102	/14	For 2 wide K45 mechanisms
KFP103	/14	For 3 wide K45 mechanisms
KFP104	/14	For 4 wide K45 mechanisms
KFP105	/14	For 5 wide K45 mechanisms
KFP106	/14	For 6 wide K45 mechanisms
KFP107	/14	For 7 wide K45 mechanisms
KFP108	/14	For 8 wide K45 mechanisms

*Does not include cabling access plate

MODULAR K45 INLET PLATES



ART. NO.		DESCRIPTION
K19	/14	Ø22 mm tube or cable gland entry (PG16)



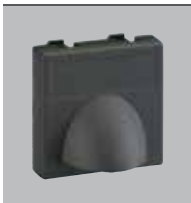
ART. NO.		DESCRIPTION
K305A	/14	IEC 320 input connection



ART. NO.		DESCRIPTION
K20	/14	Combined cable entry: 2 x Ø13 mm and 4 x Ø6 mm cables

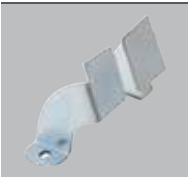
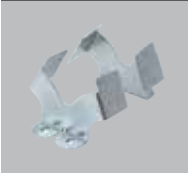





ART. NO.		DESCRIPTION
K21	/14	Entrance through 20x30 mm mini-trunking



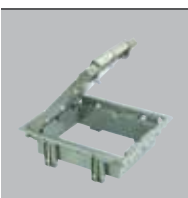


ART. NO.		DESCRIPTION
K10	/14	Cabling outlet

FASTENING BRACKETS FOR OFIBLOCK


	ART. NO. KSF1	DESCRIPTION Individual or under desk
	ART. NO. KSF2	DESCRIPTION Tandem under raised floor
	ART. NO. KSF3	DESCRIPTION Desk top
	ART. NO. KSF5	DESCRIPTION Fastening to DIN rail
	ART. NO. KSF6	DESCRIPTION Bracket with magnet (requires 2 units per Ofiblock Plus)

INSTALLATION COMPLEMENTS


	ART. NO. K105B/..	DESCRIPTION Multimedia plate range 3 RCA connectors with plate More information on page 142
	ART. NO. KTL8	/14 DESCRIPTION Patch cord More information on page 207
	ART. NO. 52054106	/03X DESCRIPTION Access to raised floor Range of service lids More information on page 18



FINISH ▶

/0
Transparent/8
Aluminium/14
Graphite

	ART. NO.	DESCRIPTION
	K106A/..	Protection K45 MCB More information on page 130

	ART. NO.	DESCRIPTION
	TC250 /0	Cable manager More information on page 180

	ART. NO.	DESCRIPTION
	TS10 /14 /8	Access to raised floor Grommet More information on page 18

 CONFIGURATION EXAMPLE					
		ENCLOSURE	1	KFP103/14	K45 Ofiblock Plus for 3 wide K45 mechanisms, graphite
		ELECTRICAL SOCKETS AND PLATES	1	K20/14	Combined cable entry plate with retainer included, graphite
			1	KB96U/14	Flat V&D plate with dust shutter and 2 RJ45 Cat.6 UTP, graphite
			1	K11/14	K45 German socket with quick-terminal connection, graphite
			1	AC11	Electrical socket linker to enable K45 quick-terminal connection sockets to be connected with no need for wiring
			1	KSF3	Desk top Ofiblock fastening bracket
		1	TC250/0	Cable manager, Ø 25 mm & 2 metre long	

Installation systems in furniture



Direct snap-fit



Offices



Auditoriums



Meeting rooms



Educational establishments



Hotels



Homes

SIMPLY COMPACT

SEVERAL LATERAL ENTRIES

- Quick-connect
- Direct cable

SHARES ACCESSORIES WITH OFIBLOCK PLUS

- Desk top
- Under desk
- Raised floor
- Wall or screen
- Metal surface with magnet
- DIN rail

CAN BE INSTALLED IN RAISED FLOOR

Installation of sockets with **indicator light** under the floor to easily locate connection points.

Ideal for shallow raised floor.



SUPPLIED WITH ALL NECESSARY MATERIAL

Each K45 Ofiblock Compact is supplied with aluminium profile, lateral blind cover, lateral direct cable entry cover, fasteners and front blind plate to facilitate internal wiring distribution.



Mechanisms, electrical sockets and plates from page 126

CAN BE COMBINED WITH QUICK-CONNECT SYSTEMS

Option of lateral covers for quick-connect entries.



Quick and easy installation through direct snap-fitting of K45 solutions.



OFIBLOCK COMPACT*

ART. NO.	DESCRIPTION
KFC102 /9 /14	For 2 wide K45 mechanisms
KFC103 /9 /14	For 3 wide K45 mechanisms
KFC104 /9 /14	For 4 wide K45 mechanisms
KFC105 /9 /14	For 5 wide K45 mechanisms
KFC106 /9 /14	For 6 wide K45 mechanisms
KFC107 /9 /14	For 7 wide K45 mechanisms
KFC108 /9 /14	For 8 wide K45 mechanisms
KFC109 /9 /14	For 9 wide K45 mechanisms
KFC110 /9 /14	For 10 wide K45 mechanisms

*Includes lateral cover for direct cable inlet

MODULAR ENTRY COVERS

ART. NO.	DESCRIPTION
ACFC01 /24	Lateral blind cover

ART. NO.	DESCRIPTION
ACFC02 /24	Direct cabling input lateral cover

ART. NO.	DESCRIPTION
ACFC03 /24	Individual quick-connect entry lateral cover


ART. NO.	DESCRIPTION
ACFC04 /24	Double quick-connect entry lateral cover


FASTENING BRACKETS FOR OFIBLOCK


ART. NO.	DESCRIPTION
KSF1	Individual or under desk

ART. NO.	DESCRIPTION
KSF2	Tandem under raised floor

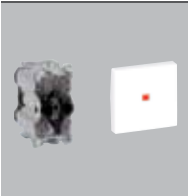
	ART. NO.	ART. NO.
	KSF3	Desk top


	ART. NO.	DESCRIPTION
	KSF4	Wall-mounted (requires 2 units per Ofiblock Compact)

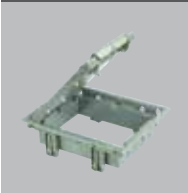
	ART. NO.	DESCRIPTION
	KSF5	Fastening to DIN rail

	ART. NO.	DESCRIPTION
	KSF6	Bracket with magnet (requires 2 units per Ofiblock Compact)


INSTALLATION COMPLEMENTS


	ART. NO.	DESCRIPTION
	K302 + K112/..	Switching mechanisms K45 two-way switch More information on page 126



	ART. NO.	DESCRIPTION
	K106A/..	Protection K45 MCB More information on page 140

	ART. NO.	DESCRIPTION
	52054106-...	Access to raised floor Range of service lids More information on page 18

	ART. NO.	DESCRIPTION
	TC250/0	Cable manager More information on page 180

	ART. NO.	DESCRIPTION
	K129B/..	Multimedia plates HDMI connector More information on page 142

	ART. NO.	DESCRIPTION
	TS10 8 / 14	Access to raised floor Floor grommet More information on page 18

 CONFIGURATION EXAMPLE			QTY.	ART. NO. / FINISH	DESCRIPTION
		ENCLOSURE	1	KFC103/9	K45 Ofiblock Compact for 3 wide K45 mechanisms, white
		ELECTRICAL SOCKETS AND PLATES	1	KB96U/9	Flat V&D plate with dust shutter and 2 RJ45 Cat.6 UTP, white
			2	K11/9	K45 German socket with quick-terminal connection, white
			1	AC11	Electrical socket linker to enable K45 quick-terminal connection sockets to be connected with no need for wiring
			1	KSF3	Desk top Ofiblock fastening bracket
			1	TC250/0	Cable manager, Ø 25 mm & 2 m long

Installation systems in furniture



Direct snap-fit



Offices



Meeting rooms



Auditoriums



Hotels



Commercial premises



Homes

FUNCTIONAL DESIGN

With the K45 OFIBLOCK LINE frame, connections blend in with the furniture while being accessible for use.

EASY INTEGRATION

Rear cable entries allow installation in any furniture from 10 mm thick.



Mechanisms, electrical sockets and plates from page 126

INTEGRAL DESIGN

Trim frame with straight lines and minimalist aesthetic to blend into any type of furniture



EASY AND SECURE INSTALLATION

The profile fits the frame at the rear and is fixed safely with 4 locking tabs.



Accepts solutions in different finishes [/8](#) /[9](#)/[14](#)



OFIBLOCK LINE

ART. NO.	DESCRIPTION
KSF131 /8	Polished chromed-steel frame for 1 wide K45 mechanism
KSF132 /8	Polished chromed-steel frame for 2 wide K45 mechanisms
KSF134 /8	Polished chromed-steel frame for 4 wide K45 mechanisms
KSF136 /8	Polished chromed-steel frame for 6 wide K45 mechanisms

K45 OFIBLOCK PROFILE REAR INLETS*

For furniture from 10 mm thick

ART. NO.	DESCRIPTION
KFC131 /14	For 1 wide K45 mechanism and 2 cable outlets
KFC132 /14	For 2 wide K45 mechanisms and 2 cable outlets
KFC134 /14	For 4 wide K45 mechanisms and 4 cable outlets
KFC136 /14	For 6 wide K45 mechanisms and 4 cable outlets
KFC1411 /14	With 1 German socket and quick-connect connector
KFC1421 /14	With 2 German sockets and quick-connect connector
KFC1422 /14	With 1 German socket, USB charger with Micro-USB patch cord and quick-connect connector
KFC1446U /14	With 3 German sockets, 2 Cat. 6 UTP RJ45 connectors, 1 electrical patch cord of 3x2.5 mm ² and 2 metres long with German plug and 2 V&D patch cords of 2 metres.

*Supplied with profile, 2 lateral blind covers, front blind plate, 4 cable glands and 3 caps.

K45 OFIBLOCK PROFILE LATERAL INLETS*

For furniture from 10 mm to 24 mm thick

ART. NO.	DESCRIPTION
KFC102 /14	For 2 wide K45 mechanisms
KFC104 /14	For 4 wide K45 mechanisms
KFC106 /14	For 6 wide K45 mechanisms

*Supplied with profile, lateral blind cover, lateral cable entry cover and front blind plate.


K45 OFIBLOCK LINE FASTENING BRACKET

ART. NO.	DESCRIPTION
KSF7	Set of 2 claws for fastening K45 Ofiblock Line more easily (For desks from 10 to 50 mm thick)

i


KSF7 FASTENING BRACKET ASSEMBLY SEQUENCE

1



Insert

2



Rotate and adjust

	QTY.	ART. NO./FINISH	DESCRIPTION
ENCLOSURE	1	KSF134/8	K45 Ofiblock Line polished-chrome frame for 4 wide mechanisms
	1	KFC134/14	K45 Ofiblock for 4 wide mechanisms and rear inlets, graphite
ELECTRICAL SOCKETS AND PLATES	3	K11/14	K45 German socket with quick-terminal connection, graphite
	2	AC11	Electrical socket linker to enable K45 quick-terminal connection sockets to be connected with no need for wiring
	1	KB96U/14	Flat V&D plate with dust shutter and 2 RJ45 Cat.6 UTP, graphite

i

CONFIGURATION EXAMPLE





Installation systems fixed to and flush-mount in the wall



Shopping centres



Educational establishments



Health centres



Libraries



Museums



Homes

OCCASIONAL CONNECTIONS

DOUBLE SURFACE-MOUNT BOX



SUPPLIED WITH ALL NECESSARY MATERIAL

The K45 double surface-mount box is supplied **with divider plate**, wall plugs for fastening and all necessary hardware.



Mechanisms, electrical sockets and plates from page 126

ACCESSIBLE THROUGH SIMON MINI-TRUNKING

SCM21F/9 and SCM31F/9 accessories allow access through 20 x 30 and 20 x 50 mm mini-trunking



INDIVIDUAL FLUSH-MOUNT BOX



CAN BE COMBINED WITH DEEPER RJ45 CONNECTORS

Specially designed for installation of FTP or high category connectors where the depth and the bending radius are critical.



The required depth is achieved by combined installation of a flush-mount box and a surface-mount box.



SURFACE-MOUNT INSTALLATION

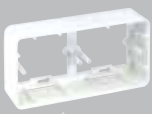
1 K45 WIDE MODULE

ART. NO.	DESCRIPTION
 R250 /9 /14	Box



KR245 /9 /14
Frame and frame-holder


2 K45 WIDE MODULES


ART. NO.	DESCRIPTION
 R450 /9 /14	Box





KR445 /9 /14
Frame and frame-holder

POWER SUPPLY FROM SIMON MINI-TRUNKING (SIDE)

ART. NO.	DESCRIPTION
 SCM21F /9	Adapter for 20x30 mm mini-trunking

ART. NO.	DESCRIPTION
 SCM31F /9	Adapter for 20x50 mm mini-trunking

	QTY.	ART. NO. /FINISH	DESCRIPTION		
					
			1	R450/9	K45 double surface-mount wall box base, white
SURFACE-MOUNT CONFIGURATION EXAMPLE		ELECTRICAL SOCKETS AND PLATES	1	K01/9	K45 German socket Screw-terminal connection, white
			1	K100B/9	Female VGA connector with wide K45 plate, 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 INSTALLATION

1 K45 WIDE MODULE



ART. NO.	DESCRIPTION
31710-61	Universal flush-mount wall box for masonry wall



KR245	/9 /14
Frame and frame-holder	

2 K45 WIDE MODULES



ART. NO.	DESCRIPTION
2 x 31710-61	Universal flush-mount wall box for masonry wall



KR445	/9 /14
Frame and frame-holder	



FLUSH-MOUNT
CONFIGURATION
EXAMPLE



	QTY.	ART. NO. / FINISH	DESCRIPTION
ENCLOSURE	1	KR245/14	K45 individual frame and K45 frame-holder, white
	1	31710-61	Universal flush-mount wall box for masonry wall
ELECTRICAL SOCKETS AND PLATES	1	K01/14	K45 German socket Screw-terminal connection, graphite



SIMON K45

WALL BOXES



Installation systems flush - mount in the floor



Direct snap-fit



Airports



Shopping centres



Conference centres



Hotels



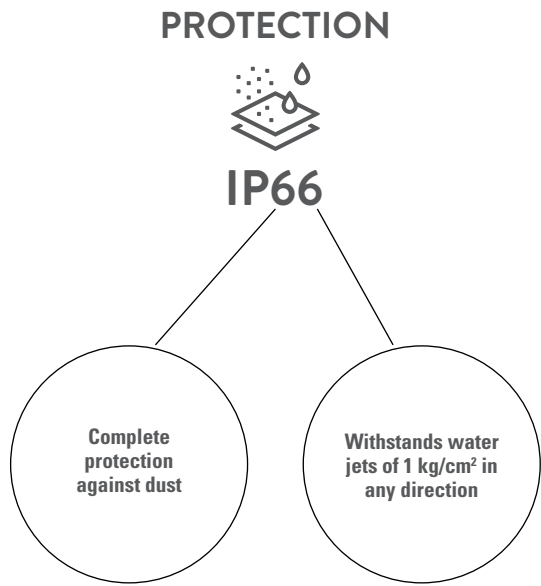
Sports centres



Terraces

It is common for connections in **open outdoor areas** to need additional protection against heavy traffic of people or when they are exposed to the inclemency of liquids, dust or weather. When closed, IP66 protection **keeps energy, voice, data and multimedia insulated** from knocks, undesired handling and external agents such as dust, liquids and damp

Prepared against harsh environments



ONE TRAY FOR EVERY TYPE OF FLOOR

Raised floor



Concrete floor



CAN BE COMBINED WITH SIMON 44
AQUA WATERTIGHT WALL BOXES



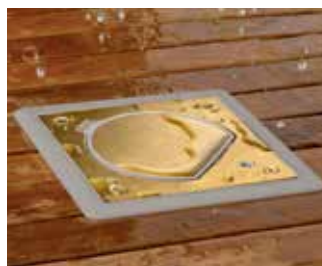
See page 300 of the General Catalogue



WATERTIGHT FLOOR BOX FOR INSTALLATION IN RAISED FLOOR



For installation in **raised floors in garden and terraces, wooden or parquet platforms, etc.**



The bevelled frame design secures the tray over the floor and conceals any possible installation defects.

Installation using fastening claws to ensure tray anchoring.



WATERTIGHT FLOOR BOX FOR INSTALLATION IN CONCRETE FLOOR

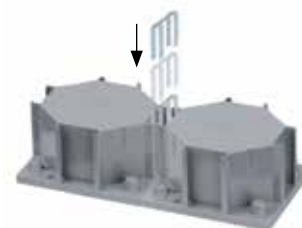


Allows flush installation of the tray in **all types of concrete floors (porcelain stoneware, terrazzo, ceramics, etc.).**



Grouping of watertight floor boxes

Possibility of grouping around the whole tray perimeter to give more than one connection point.



ONE MECHANISM-HOLDER FOR EVERY ENVIRONMENT



Safety lock
Ideal for restricting access to connections in commercial buildings



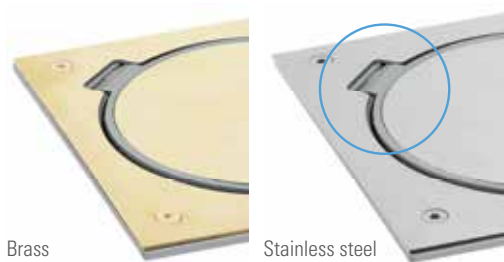
Manual closure
Suitable for low demand environments



IP66 WATERTIGHT FLOOR BOXES – FEATURES

Reinforced lid

Lid design reinforced against side impacts.

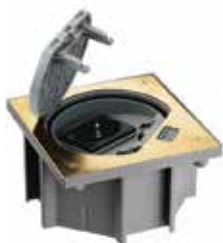


Brass

Stainless steel

Safety lid

The hinge with less than 90° opening prevents it from being left open accidentally, eliminating a tripping hazard.



Installation system

The tray design allows a drainage pipe to be installed to eliminate possible humidity condensation from inside. The tray is supplied with a wooden cover that prevents the entry of aggregates during installation.



Maximum strength

Connected, it supports the weight of people, protecting the cable from pressures and stresses.

Closed, it accepts a maximum load of 1000 kg.



Energy, voice, data and multimedia in a single box

A wide range of mechanism-holders to be able to snap-fit any kind of K45 solution, socket-outlet and an RJ45 connector or the housing to install it.

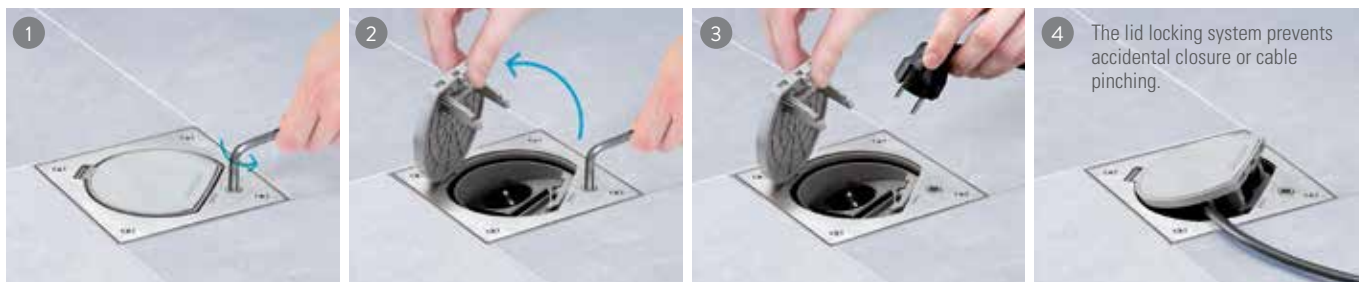


Protective film

The mechanism-holder frame incorporates a protective film to prevent it from being dirtied and damaged during installation.



Safety lock, opening and closing system



TRAYS

INSTALLATION IN RAISED FLOOR



ART. NO.	DESCRIPTION
KGE170TF /23	Flush-mount tray for wateight floor box installation in raised floor, grey

INSTALLATION IN CONCRETE FLOOR



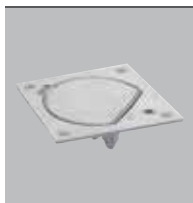
ART. NO.	DESCRIPTION
KGE170 /23	Flush-mount tray for wateight floor box installation in concrete floor, grey



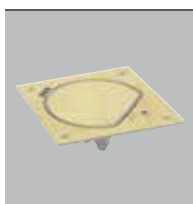
ART. NO.	DESCRIPTION
ACSE	Accessory for joining flush-mount trays for concrete floor installation

MECHANISM HOLDERS THAT CAN BE COMBINED WITH BOTH TRAYS

WITH SAFETY LOCK

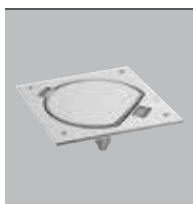


ART. NO.	DESCRIPTION
KSE1SEC/23 /72	With a German socket
KSE0SEC/23 /72	For a K45 solution
KSE15USEC/23 /72	With a German socket and 1 RJ45 connector, Cat. 5e UTP



ART. NO.	DESCRIPTION
KSE1SEC/23 /71	With a German socket
KSE0SEC/23 /71	For a K45 solution
KSE15USEC/23 /71	With a German socket and 1 RJ45 connector, Cat. 5e UTP

WITH MANUAL CLOSURE



ART. NO.	DESCRIPTION
KSE15U/23 /72	With a German socket and 1 RJ45 connector, Cat. 5e UTP
KSE1/23 /72	With a German socket
KSE0/23 /72	For a K45 solution
KSE16U/23 /72	With a German socket and 1 RJ45 connector, Cat. 6 UTP
KSE10U/23 /72	With a German socket and housing for 1 RJ45 connector with keystone snap-fit

FINISH ▶

/71
Brass/72
Stainless Steel

ART. NO.	DESCRIPTION
KSE15U/23 /71	With a German socket and 1 RJ45 connector, Cat. 5e UTP
KSE1/23 /71	With a German socket
KSE0/23 /71	For a K45 solution
KSE16U/23 /71	With a German socket and 1 RJ45 connector, Cat. 6 UTP
KSE10U/23 /71	With a German socket and housing for 1 RJ45 connector with keystone snap-fit

SPARE PARTS




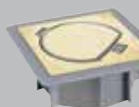
ART. NO.	DESCRIPTION
RKS001 /72 /71	Lid for watertight floor box

ART. NO.	DESCRIPTION
RKS003	Square sealing gasket

ART. NO.	DESCRIPTION
RKS004	Circular sealing gasket

ART. NO.	DESCRIPTION
RKS005 /72 /71	Pack of 4 screws for mechanism-holder unit fastening

 <p>CONCRETE FLOOR CONFIGURATION EXAMPLE</p>	<p>Tray for concrete floor</p>  <p>KGE170 /23</p>	+	<p>Mechanism-holder with safety lock</p>  <p>KSE1SEC/23 /72</p>	=	<p>Watertight floor box assembly</p>  <p>Watertight floor box with safety lock and a German socket. Stainless steel finish.</p>
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 <p>RAISED FLOOR CONFIGURATION EXAMPLE</p>	<p>Tray for raised floor</p>  <p>KGE170TF /23</p>	+	<p>Mechanism holder with manual closure</p>  <p>KSE15U/23 /71</p>	=	<p>Watertight floor box assembly</p>  <p>Watertight floor box for raised floor with 1 German socket and 1 RJ45 connector, Cat. 5e UTP Brass finish.</p>
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SIMON K45

IP66 WATERTIGHT FLOOR BOXES



Installation systems fixed to wall and floor



Direct snap-fit



Airports



Shopping centres



Sports centres



Industrial units



Warehouses



Mechanical workshops

Maximum robustness: The combination of aluminium structure hardened with epoxy paint and lined with a heavy gauge stainless steel frame provides a balance between mechanical strength and aesthetics.

SNAP-FITTING OF K45 SOLUTIONS

Compatible with all the functions of the range: electrical sockets, protective elements, V&D and multimedia plates.



VOICE, DATA AND MULTIMEDIA INSTALLATION

The enclosures are **57 mm deep** to respect the bending radius and improve the cable routing during installation.



Mechanisms, electrical sockets and plates from page 126

RESTRICTION OF ACCESS TO CONNECTIONS

The protective lid with lock facilitates restricted access to the connections while **ensuring cabling outlet** to electrical devices (vending machines, printers, etc.).



FRAME ATTACHMENT

Using stainless steel Allen hardware to provide security (requiring a specific key for removal) and design as it is perfectly flush on the structure.



EASY TO INSTALL AND MAINTAIN

Individual frame-holders which snap-fit onto the profile using linkable parts **to form blocks**, separating the electrical part from the voice and data part.



CAN BE COMBINED WITH SIMON 27 SCUDO



See page 292 of the General Catalogue



IK10

WALL BOXES

SURFACE-MOUNT*



ART. NO.		DESCRIPTION
KM301	/8	3 double modules for installation of 6 wide K45 mechanisms
KM401	/8	4 double modules for installation of 8 wide K45 mechanisms
KM601	/8	6 double modules for installation of 12 wide K45 mechanisms

*Protective lid with lock cylinder **KMA301** /8 or **KMA401** /8 can be installed in 3- and 4-double module boxes
1- and 2-double modules boxes can be supplied upon request

FLUSH-MOUNT*



ART. NO.		DESCRIPTION
KTC300	/8	3 double modules for installation of 6 wide K45 mechanisms
KTC400	/8	4 double modules for installation of 8 wide K45 mechanisms
KTC600	/8	6 double modules for installation of 12 wide K45 mechanisms

*Protective lid with lock cylinder **KMA301** /8 or **KMA401** /8 can be installed in 3- and 4-double module boxes
1- and 2-double modules boxes can be supplied upon request

WALL BOX ACCESSORIES

PROTECTIVE LID



ART. NO.		DESCRIPTION
KMA301	/8	Protective lid with lock cylinder for 3 double module surface and flush-mount boxes
KMA401	/8	Protective lid with lock cylinder for 4 double module surface and flush-mount boxes

MINI-TOWERS

1-SIDED*



ART. NO.		DESCRIPTION
KT0800	/8	4 double modules for installation of 8 wide K45 mechanisms
KT0100	/8	5 double modules for installation of 10 wide K45 mechanisms

*Protective lid with lock cylinder **KTA802** /8 can be installed in 4-double module mini-tower

MINI-TOWER ACCESSORIES

PROTECTIVE LID



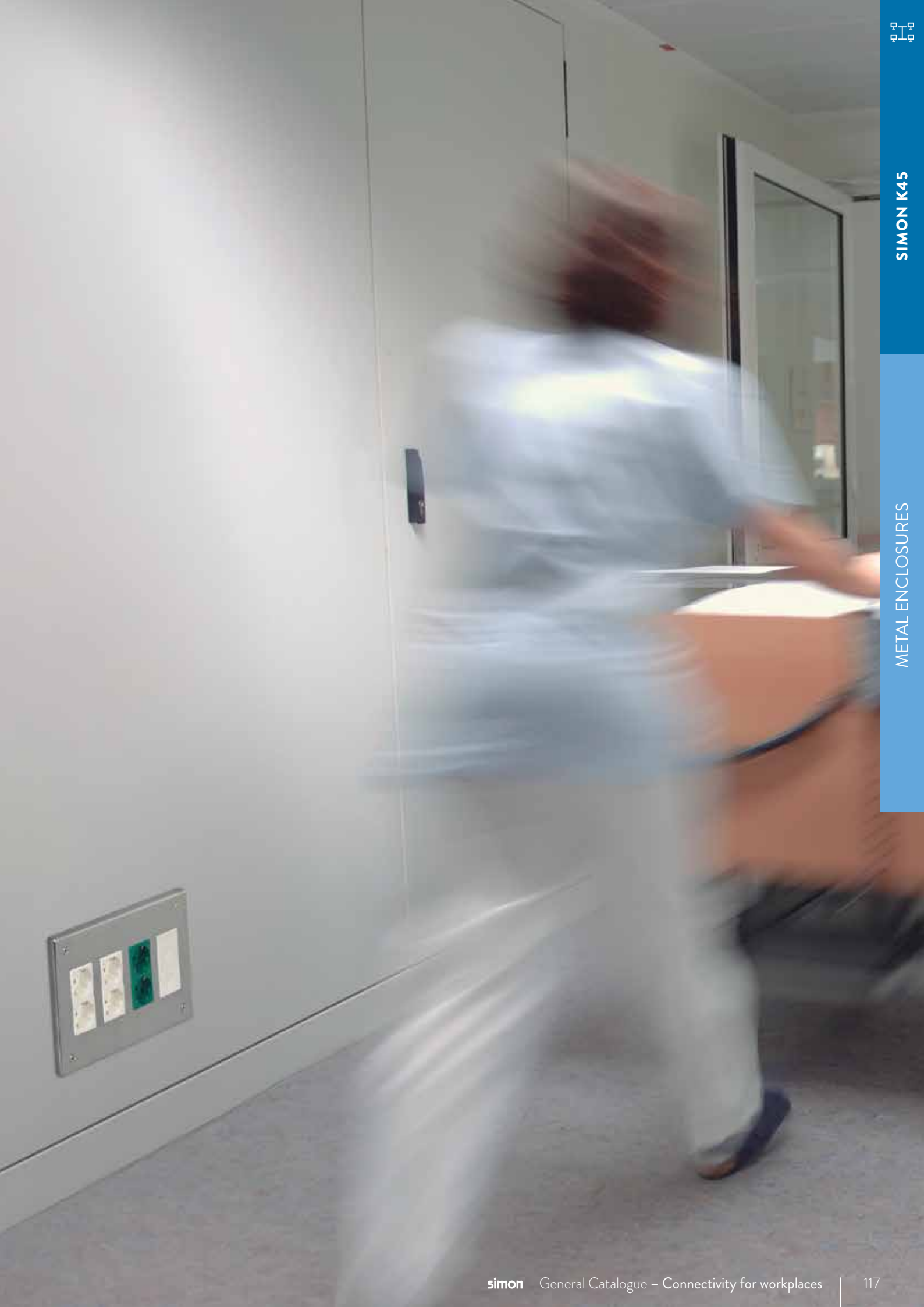
ART. NO.		DESCRIPTION
KTA802	/8	Protective lid with lock cylinder for 4-module mini-tower



CONFIGURATION EXAMPLE



	QTY.	ART.NO./FINISH	DESCRIPTION
ENCLOSURE	1	1 KTC300 /8	Flush-mount K45 metal wall box for 6 wide mechanisms
ELECTRICAL SOCKETS AND PLATES	2	K11 /14	K45 German socket with quick-terminal connection, graphite
	2	K11 /6	K45 German socket with quick-terminal connection, red
	2	AC11	Electrical socket linker to enable K45 quick-terminal connection sockets to be connected with no need for wiring
	2	KB96U /14	Flat V&D plate with dust shutter and 2 RJ45 Cat.6 UTP, graphite



SIMON K45

METAL ENCLOSURES



Installation systems fixed to the ceiling



Offices



Laboratories



Universities



Educational establishments



Libraries



Hotels

SOLUTIONS FOR OPEN-PLAN AREAS

EASE OF INSTALLATION

Column fastening is by **pressure** against the ceiling, without the need for screwing to concrete floor.

WIDE RANGE

There are 4 types of profiles with different numbers of connection sides, permitting a great concentration of solutions.

INSTALLATION MOBILITY

Pressure fastening of columns allows for easy reorganisation of workplace distribution.



SUPPLIED WITH ALL THE ITEMS NEEDED FOR INSTALLATION.

With a **single art.no.**, K45 columns are supplied with all the items needed for installation: base for fastening to the floor, ceiling trim, telescopic guide for fastening to the ceiling slab, aluminium covers and miscellaneous items.



Mechanisms, electrical sockets and plates from page 126

Cima 500 columns finished in white and graphite on page 32

MINI-COLUMNS

1 SIDED 70 x 60 mm



ART. NO.		DESCRIPTION
ALK115	/8	For 5 wide K45 mechanisms
ALK116	/8	For 6 wide K45 mechanisms
ALK117	/8	For 7 wide K45 mechanisms

2-SIDED, OVAL, 110 x 80 mm



ART. NO.		DESCRIPTION
ALK724	/8	For 4 wide K45 mechanisms per side
ALK725	/8	For 5 wide K45 mechanisms per side
ALK726	/8	For 6 wide K45 mechanisms per side

2-SIDED, SQUARE, 80 x 80 mm*



ART. NO.		DESCRIPTION
ALK224	/8	For 4 wide K45 mechanisms per side
ALK225	/8	For 5 wide K45 mechanisms per side
ALK227	/8	For 7 wide K45 mechanisms per side

*Designed for screw-terminal connection energy sockets in 1 side and VDM sockets in the narrow side.

4-SIDED, 125 x 125 mm*



ART. NO.		DESCRIPTION
ALK544	/8	For 4 wide K45 mechanisms per side
ALK545	/8	For 5 wide K45 mechanisms per side
ALK546	/8	For 6 wide K45 mechanisms per side

*Does not accept quick-terminal connection sockets in 2 of the 4 sides. No housing restrictions for the remaining mechanisms.

SPARE PARTS

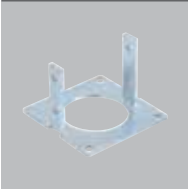
INVISIBLE FIXED BASE




ART. NO.		DESCRIPTION
RALK005	/8	For 1-sided ALK11x/8 K45 mini-columns.

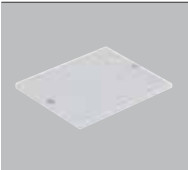



ART. NO.		DESCRIPTION
RALK006	/8	For 2-sided Oval ALK72x/8 K45 mini-columns.

ART. NO.	DESCRIPTION
 RALK007 /8	For 2-sided Square ALK22x/8 K45 mini-columns.

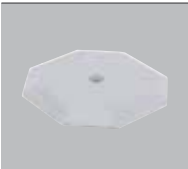
ART. NO.	DESCRIPTION
 RALK008 /8	For 4-sided ALK54x/8 K45 mini-columns.

END COVER*

ART. NO.	DESCRIPTION
 RALK009 /8	For 1-sided ALK11x/8 K45 mini-columns.

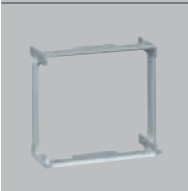
ART. NO.	DESCRIPTION
 RALK010 /8	For 2-sided Oval ALK72x/8 K45 mini-columns.


ART. NO.	DESCRIPTION
 RALK011 /8	For 2-sided Square ALK22x/8 K45 mini-columns.


ART. NO.	DESCRIPTION
 RALK012 /8	For 4-sided ALK54x/8 K45 mini-columns.


*All end covers supplied for K45 mini-columns are grey


K45 ACCESSORIES & INSTALLATION COMPLEMENTS



ART. NO.	DESCRIPTION
 K66	Plates adaptation K45 90° positioner for VDM plate More information on page 57



ART. NO.	DESCRIPTION
 K106A/..	Protection K45 MCB More information on page 140

ART. NO.	DESCRIPTION
 K100B/..	Multimedia plates VGA connector with plate More information on page 142

ART. NO.	DESCRIPTION
 K11/..	Electrical sockets Quick-terminal connection More information on page 130

ART. NO.	DESCRIPTION
 KB95U/..	V&D Plates Flat or angled plates with or without RJ45 connectors More information on page 134

 CONFIGURATION EXAMPLE OF CABLE ROUTING BY FLOOR TRUNKING					
		ENCLOSURE	1	ALK227/8	K45 2 sides square, 80 x 80 mm mini-column, for 7 wide mechanisms K45 per side
		ELECTRICAL SOCKETS AND PLATES	4	K01/9	K45 German socket with screw-terminal connection, white
			1	KF04/9	10A curve C 2-pole MCB DIN format with K45 plate, white
			1	KB8096U/9	Angled V&D plate with dust shutter and 2 RJ45 Cat.6 UTP, white
			1	K66	K45 90° positioner for voice and data plates
			1	K101B/9	2 RCA audio connectors with K45 plate, white. Screw connection
			1	K128B/9	K45 multimedia plate with 1 type "A" female USB connector. Screw connection
			1	K122/9	K45 plate for 1 male or female XLR connector, white
			1	KTA804/8	Plinth for floor trunking
1	ALKA02/8	Adapter for plinth			
1	TF11172/8	Aluminium floor trunking			

 CONFIGURATION EXAMPLE OF CABLE ROUTING BY EMBEDDED TUBE					
		ENCLOSURE	1	ALK115/8	K45 1 side, 70 x 60 mm mini-column, for 5 wide mechanisms
		ELECTRICAL SOCKETS AND PLATES	2	K11/9	K45 German socket Quick-terminal connection, white
			2	K11/6	K45 German socket Quick-terminal connection, red
			2	AC11	Electrical socket linker to enable K45 quick-terminal connection sockets to be connected together with no need for wiring
			1	KB96U/9	Flat V&D plate with dust shutter and 2 RJ45 Cat.6 UTP, white
1	K66	K45 90° positioner for voice and data plates			



Installation systems fixed to the ceiling



Offices



Laboratories



Universities



Educational establishments



Libraries



Hotels

SOLUTIONS FOR OPEN-PLAN AREAS

EASE OF INSTALLATION

Column fastening is by **pressure** against the ceiling slab, without the need for screwing to the floor.

WIDE RANGE

There are 4 types of profiles with different numbers of connection sides, permitting a great concentration of solutions.

INSTALLATION MOBILITY

Pressure fastening of columns allows for easy reorganisation of workplaces distribution.

SUPPLIED WITH ALL THE ITEMS NEEDED FOR INSTALLATION.

With a **single art.no.**, K45 columns are supplied with all the items needed for installation. Base for attachment to the floor, ceiling trim, telescopic assembly for fastening to the ceiling slab, aluminium covers and miscellaneous items.



Mechanisms, electrical sockets and plates from page 126

Cima 500 columns finished in white and graphite on page 32

COLUMNS

1-SIDED



ART. NO.	DESCRIPTION
ALK1100 /8	1-sided, 70x60 mm, 3 metres

1-sided columns cannot be expanded using extensions
A longer column can be supplied upon request

2-SIDED, SQUARE



ART. NO.	DESCRIPTION
ALK2200 /8	2-sided, square, 80x80 mm, 3 metres

Designed for screw-terminal connection sockets in wide side and VDM sockets in the narrow side.

EXTENSION FOR 2-SIDED, SQUARE COLUMNS
(Includes coupling pins)



ALK22P05 /8	Extension, 0.5 m
ALK22P10 /8	Extension, 1 m
ALK22P15 /8	Extension, 1.5 m

Fastening bracket length: 0.5 m

2-SIDED, OVAL



ART. NO.	DESCRIPTION
ALK7200 /8	2-sided, oval, 110x80 mm, 3 metres

No restrictions in mechanisms housing

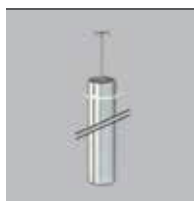
EXTENSION FOR 2-SIDED, OVAL COLUMNS
(Includes coupling pins)



ALK72P05 /8	Extension, 0.5 m
ALK72P10 /8	Extension, 1 m
ALK72P15 /8	Extension, 1.5 m

Fastening bracket length: 0.5 m

4-SIDED



ART. NO.	DESCRIPTION
ALK5400 /8	4-sided, 125x125 mm, 3 metres

Does not accept quick-terminal connection sockets in 2 of the 4 sides. No housing restrictions for the remaining mechanisms

EXTENSION FOR 4-SIDED COLUMNS
(Includes coupling pins)



ALK54P05 /8	Extension, 0.5 m
ALK54P10 /8	Extension, 1 m
ALK54P15 /8	Extension, 1.5 m

Fastening bracket length: 0.5 m


SPARE PARTS

TRIM*

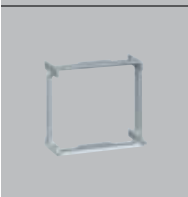
	ART. NO.	DESCRIPTION
	RALK001 /8	False ceiling trim for 1-sided column, ALK1100/8
	ART. NO.	DESCRIPTION
	RALK002 /8	False ceiling trim for 2-sided square column, ALK2200/8
	ART. NO.	DESCRIPTION
	RALK003 /8	False ceiling trim for 2-sided oval column, ALK7200/8
	ART. NO.	DESCRIPTION
	RALK004 /8	False ceiling trim for 4-sided column, ALK5400/8


*All trims for K45 columns are supplied in white finish.


FRONT COVERS


	ART. NO.	DESCRIPTION
	RALK013 /8	3 metres length for ALK1100/8, ALK2200/8 and ALK5400/8 K45 columns
	RALK014 /8	3 metres length for ALK7200/8 K45 column


K45 ACCESSORIES & INSTALLATION COMPLEMENTS

	ART. NO.	DESCRIPTION
	K66	Plate adaptation K45 90° positioner for voice and data plates More information on page 57

ART. NO.	DESCRIPTION
 K106A/..	Protection K45 MCB More information on page 140

ART. NO.	DESCRIPTION
 K100B/..	Multimedia plates VGA connector with plate More information on page 142

ART. NO.	DESCRIPTION
 K11/..	Electrical sockets Quick-terminal connection More information on page 130

ART. NO.	DESCRIPTION
 KB95U/..	V&D Plates Flat or angled plates with or without RJ45 connectors More information on page 134

 CONFIGURATION EXAMPLE OF CASHIER WORKPLACE IN A SUPERMARKET BY A COLUMN					
			QTY.	ART. NO. / FINISH	DESCRIPTION
		ENCLOSURE	1	ALK1100/8	K45 1-sided 70x60 mm column, 3 metres
		ELECTRICAL SOCKETS AND PLATES	1	K11/9	K45 German socket with quick-terminal connection, white
			2	K11/6	K45 German socket with quick-terminal connection, red
			1	AC11	Electrical socket linker to enable K45 quick-terminal connection sockets to be connected together with no need for wiring
			1	KB8096U/9	Angled V&D plate with dust shutter and 2 RJ45 Cat.6 UTP, white
	1	K66	K45 90° positioner for voice and data plates		

Mechanisms and rockers



Direct snap-fit



16 AX



Offices



Health centres



Conference centres



Shopping centres



Laboratories



Educational establishments

Specially designed for areas with high luminaire density as many support a rated current of 16 AX. Suitable for offices, hospitals, conference rooms, etc. as they support the current peaks that occur during the ignition phase.

INDICATOR LIGHT FUNCTION OR WITH PILOT LIGHT

Push-button switch with indicator light function: to signal the mechanism and spot it in the dark.



Two-way switch with pilot light: The pilot light indicates whether the load on which it acts is on or off.



2-POLE ONE-WAY SWITCHES, 16 AX



Disconnect the two poles of a load or circuit, minimising potential problems **due to small leakages that may occur**, e.g. in fluorescent lamps, when a single-pole switch is used.



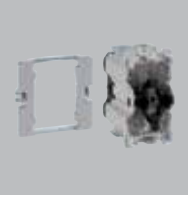
90° POSITIONER

Enables the switching mechanisms to be positioned vertically. Especially designed for installation in vertical enclosures (mini-columns, columns, teleblocks, trunking, etc.).




SINGLE-POLE SWITCHING MECHANISMS, 16 AX 250 V ac

TWO-WAY SWITCHES

ART. NO.	DESCRIPTION
 K301	16 AX K45 single-pole switch


+ROCKER  K110 /8 /9 /14	 K109 /8 /9 /14
---	---

ART. NO.	DESCRIPTION
 K302	16 AX single-pole K45 switch with pilot light


+ROCKER  K112 /8 /9 /14	 K115 /8 /9 /14
---	---

*The 90° positioner is supplied with the mechanism

PUSH-BUTTON SWITCHES

ART. NO.	DESCRIPTION
 K303	16 A K45 single-pole push-button switch

+ROCKER  K110 /8 /9 /14	 K109 /8 /9 /14
---	---

ART. NO.	DESCRIPTION
 K304	16 A K45 single-pole push-button switch with indicator light function

+ROCKER  K114 /8 /9 /14	 K113 /8 /9 /14
---	---

*The 90° positioner is supplied with the mechanism

16 AX 250 V_{ac} 2-POLE ONE-WAY SWITCHES

ART. NO.	DESCRIPTION
K125A /9 /14	16 AX 2-pole one-way switch with K45 plate



ART. NO.	DESCRIPTION
KL04 /9 /14	16 AX 2-pole one-way switch with indicator light function and K45 plate

SPARE PART



ART. NO.	DESCRIPTION
K366	90° positioner for single-pole switching mechanisms





Sockets and covers for electrical outlets

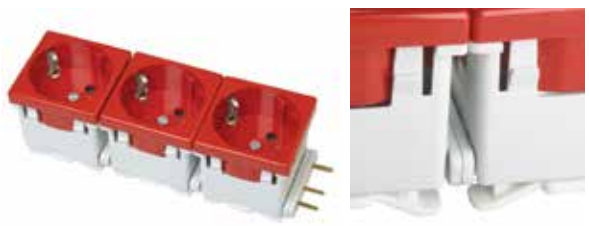


Direct snap-fit

INSTALL WITH A SINGLE CLICK

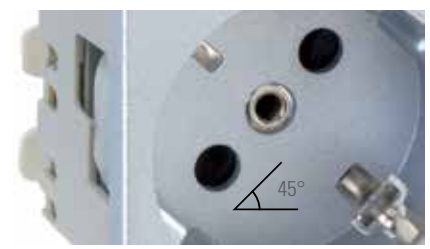
MULTI-SOCKETS

Using the AC11 connection accessory, **K45 sockets with quick-terminal connection can be linked together** with no need for wire them manually



HIGH CONNECTION DENSITY

Contacts at 45° that prevent possible interference that could occur due to the use of angled plugs in a group of electrical sockets.



SHUTTER FOR:

Safety

All sockets include a safety shutter to prevent direct contact with live parts



Selective protection

Protecting the UPS line, allowing connection of computer equipment only.



QUICK-TERMINAL AND SCREW-TERMINAL CONNECTION

Quick-terminal



Screw-terminal



Compatible with rigid and flexible 2.5 mm² wiring.

OTHER FINISHES FOR DIFFERENT APPLICATIONS



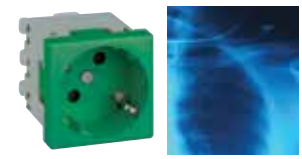
Red finish

To connect computer equipment through uninterruptible power supplies.



Orange finish

For specific power supplies to servers or devices in laboratories.



Green finish

For the health care sector

SOCKETS WITH QUICK-TERMINAL CONNECTION, 16 A 250 V_{ac}



ART. NO.	DESCRIPTION
K11	German socket with safety shutter
K22	French socket with safety shutter



ART. NO.	DESCRIPTION
KS11	German socket with safety and protective shutter (pin included)
KS22	French socket with safety and protective shutter (pin included)

SOCKETS WITH SCREW-TERMINAL CONNECTION, 16 A 250 V_{ac}



ART. NO.	DESCRIPTION
K01	German socket with safety shutter
K02	French socket with safety shutter



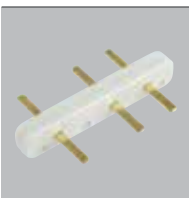
ART. NO.	DESCRIPTION
KLS01	German socket with safety and protective shutter (pin included) with indicator light function
KLS02	French socket with safety and protective shutter (pin included) with indicator light function



ART. NO.	DESCRIPTION
KL01	German socket with safety shutter and indicator light function
KL02	French socket with safety shutter and indicator light function

ACCESSORIES

ELECTRICAL SOCKET LINKER



ART. NO.	DESCRIPTION
AC11	Electrical linker to create multi-sockets Can only be combined with quick-terminal connection sockets

SPARE PART



ART. NO.

AC33

/6

DESCRIPTION

Protective shutter unlocking pin for sockets KLS0../ and KS../.



MULTI-SOCKET
ASSEMBLY USING
ELECTRICAL
LINKER



Insert electrical linker in the quick-terminal connection socket contacts.



Press until the electrical linker is fully inserted in the contacts of the following electrical socket.



Repeat the process with the next electrical socket and so on



SIMON K45

ELECTRICAL SOCKETS

Connectors and plates for voice and data connections



Direct snap-fit

WE MAKE COMMUNICATION EASIER

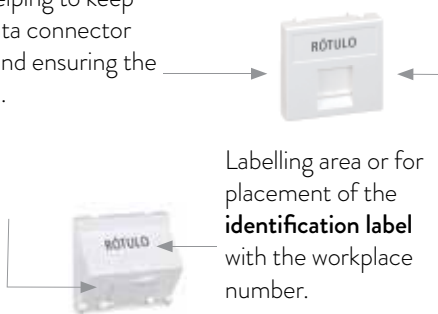
ANGLED PLATES

Angled plates are ideal for **maintaining the optimum bending radius** when using large connectors and to ensure high speed data transmission.



WE LOOK AFTER CONNECTORS

Plates with **automatic closing dust shutters**, helping to keep the voice and data connector contacts clean and ensuring the best connection.



Labelling area or for placement of the **identification label** with the workplace number.

FLAT PLATES

The flat plates are designed to offer seamless integration into the enclosures.



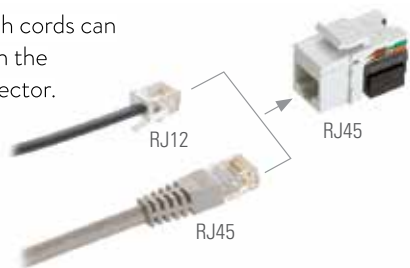
COMPLETE COMPATIBILITY

The philosophy of Simon consists of integrating the whole connectors on the market into our enclosures.



ONE CONNECTOR FOR SEVERAL TYPES OF PATCH CORD

RJ11 and RJ12 patch cords can also be combined in the female RJ45 connector.



MORE STRUCTURED CABLING SOLUTIONS



Patch panel page 190



Cabling page 196

MD MODULES FOR ANGLED PLATES (CUSTOMISATION OF SNAP-FIT IN RJ45 CONNECTORS)

Snap-fit sequence for MD angled plate modules.



VOICE AND DATA PLATES WITH SIMON RJ45 CONNECTORS

ANGLED PLATES WITH DUST SHUTTER

Category 6



ART. NO.		DESCRIPTION	TYPE
K8096F	/8 /9 /14	1 connector	FTP
K8096U	/8 /9 /14	1 connector	UTP



ART. NO.		DESCRIPTION	TYPE
KB8096U	/8 /9 /14	2 connectors	UTP

Category 5e



ART. NO.		DESCRIPTION	TYPE
K8095F	/8 /9 /14	1 connector	FTP
K8095U	/8 /9 /14	1 connector	UTP



ART. NO.		DESCRIPTION	TYPE
KB8095U	/8 /9 /14	2 connectors	UTP

FLAT PLATES WITH DUST SHUTTER

Category 6



ART. NO.		DESCRIPTION	TYPE
K96F	/8 /9 /14	1 connector	FTP
K96U	/8 /9 /14	1 connector	UTP
KA96F*	/8 /9 /14	1 connector	FTP
KA96U*	/8 /9 /14	1 connector	UTP



ART. NO.		DESCRIPTION	TYPE
KB96F	/8 /9 /14	2 connectors	FTP
KB96U	/8 /9 /14	2 connectors	UTP

(*) Plates with 22.5x45 mm narrow format

Category 5e



ART. NO.		DESCRIPTION	TYPE
K95F	/8 /9 /14	1 connector	FTP
K95U	/8 /9 /14	1 connector	UTP
KA95F*	/8 /9 /14	1 connector	FTP
KA95U*	/8 /9 /14	1 connector	UTP



ART. NO.		DESCRIPTION	TYPE
KB95F	/8 /9 /14	2 connectors	FTP
KB95U	/8 /9 /14	2 connectors	UTP

(*) Plates with 22.5x45 mm narrow format

FLAT PLATES WITH NO DUST SHUTTER

Category 6



ART. NO.		DESCRIPTION	TYPE
K096F	/9	1 connector	FTP
K096U	/9	1 connector	UTP



ART. NO.		DESCRIPTION	TYPE
KB096F	/9	2 connectors	FTP
KB096U	/9	2 connectors	UTP



Category 5e



ART.NO.	DESCRIPTION	TYPE
K095F /9	1 connector	FTP
K095U /9	1 connector	UTP



ART.NO.	DESCRIPTION	TYPE
KB095F /9	2 connectors	FTP
KB095U /9	2 connectors	UTP

SIMON VOICE AND DATA PLATE COMPATIBILITY

ANGLED PLATES FOR OTHER BRAND CONNECTORS

WITH DUST SHUTTER

WITH NO DUST SHUTTER

1 connector

2 connectors

1 connector

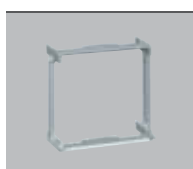
2 connectors



Available finishes	/8 /9 /14			/9 /14				
SIMON	K80/..	⊕ MD67	KB80/..	⊕ 2 MD67	K080/..	⊕ MD67	KB080/..	⊕ 2 MD67
3M® (Volition OCK®: RJ25, K5e, K6)					K080/..	⊕ MD45	KB080/..	⊕ 2 MD45
AMP netconnect® (TYCO®)								
Standard 110	K80/..	⊕ MD67			K080/..	⊕ MD67		
SL110 & Toolless SL	K80/..	⊕ MD67	KB80/..	⊕ 2 MD67	K080/..	⊕ MD67	KB080/..	⊕ 2 MD67
216000 & 216005	K80/..	⊕ MD64			K080/..	⊕ MD64		
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®) S500K and XS500	K80/..	⊕ MD67	KB80/..	⊕ 2 MD67	K080/..	⊕ MD67	KB080/..	⊕ 2 MD67
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®								
MINI-COM Series	K80/..	⊕ MD69	KB80/..	⊕ 2 MD69	K080/..	⊕ MD69	KB080/..	⊕ 2 MD69
NETKEY Series	K80/..	⊕ MD67	KB80/..	⊕ 2 MD67	K080/..	⊕ MD67	KB080/..	⊕ 2 MD67
R&M® (REICHLÉ DE MASSARI®)								
CLASSIC Cat. 5e (R925371, R925370)	K80/..	⊕ MD54	KB80/..	⊕ 2 MD54	K080/..	⊕ MD54	KB080/..	⊕ 2 MD54
STAR Cat. 6 (R302373, R302372)	K80/..	⊕ MD54	KB80/..	⊕ 2 MD54	K080/..	⊕ MD54	KB080/..	⊕ 2 MD54
ADVANCED Cat. 6A (R509500, R509504)	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

Some FTP connectors may be incompatible in double plate installation. Consult for compatibility.
Simon accepts no responsibility for any changes or modifications made by the connector manufacturer.

ACCESSORY



ART. NO.	DESCRIPTION
K66	90° positioner for placing K45 Voice & Data plates in vertical position on K45 enclosures (Teleblock, Columns, Mini-columns and Trunkings).

SIMON VOICE AND DATA PLATE COMPATIBILITY

FLAT PLATES FOR OTHER BRAND CONNECTORS

WITH DUST SHUTTER

WITH NO DUST SHUTTER

1 connector
(narrow plate)

1 connector



2 connectors

1 connector
(narrow plate)

1 connector



2 connectors



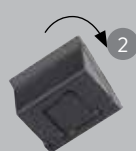
Available finishes

/9 /14 *Also available in /8

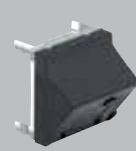
	1 connector (narrow plate)	1 connector	2 connectors	1 connector (narrow plate)	1 connector	2 connectors
SIMON	KA76/..*	K76/..*	KB76/..*	-	K076/..	KB076/..
3M® (Volition OCK®: RJ45, K5e, K6)				KA045/..	K045/..	KB045/..
AMP netconnect® (TYCO ELECTRONICS®)						
Standard 110	KA76/..	K76/..	-	-	K076/..	-
SL110 & Toolless SL	KA76/..	K76/..	KB76/..	-	K076/..	KB076/..
216000 & 216005	KA76/..	K76/..	-	-	K076/..	-
BeldenCDT® (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 TechChoice Keystone	KA76/..	K76/..	KB76/..	K281/..	K076/..	KB076/..
PANDUIT®						
MINI-COM Series	KA69/..	K69/..	KB69/..	-	K069/..	KB069/..
NETKEY Series	KA76/..	K76/..	KB76/..	-	K076/..	K076/..
R&M® (REICHLÉ DE MASSARI®)						
CLASSIC Cat. 5e (R925371, R925370)	-	-	-	-	K054/..	-
STAR Cat. 6 (R302373, R302372)	-	-	-	-	K054/..	-
ADVANCED Cat. 6A (R509508, R509509)	-	-	-	-	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 placing K45 Voice & Data plates in vertical on K45 enclosures (Teleblock, Columns, Mini-columns and Trunkings).



3



CLICK







Elements and plates for circuit protection



Direct snap-fit



Educational establishments



Universities



Libraries



Museums



Conference centres



Commercial premises

The protective elements with K45 plates provide **safety to people** against electrical hazards and **security** against overcurrents and overloads in electrical installations.

K45 FORMAT

The protection elements with K45 format can be installed in a wide variety of K45 enclosures and, due to their **high sensitivity of 10 mA**, are suitable for training centres, schools and nurseries.

K45 DIN FORMAT

The protective elements with K45 DIN format are designed for installation in K45 Ofiblocks, K45 mechanism-holder trunkings and K45 mini-columns and columns.



Aesthetic integration

INSTALLATION SEQUENCE FOR K45 PLATE IN PROTECTIVE ELEMENTS WITH DIN FORMAT



1 Snap-fit the DIN rail into the MCB or RCCB.



2 Snap-fit the assembly in the enclosure or in the mechanism-holder trunking.



3 Place the trim plate.

FINISH

/8 Painted aluminium	/9 White	/14 Graphite
-------------------------	-------------	-----------------

PROTECTION ELEMENTS



ART. NO.	DESCRIPTION
KF04A /8 /9 /14	16 A curve C 2-pole MCB with K45 plate for 3 wide mechanisms
KF04B /8 /9 /14	10 A curve C 2-pole MCB with K45 plate for 3 wide mechanisms



ART. NO.	DESCRIPTION
KF04C /8 /9 /14	25 A RCCB with sensitivity IΔN of 30 mA with K45 plate for 3 wide mechanisms



ART. NO.	DESCRIPTION
K106A /8 /9 /14	10 A curve C MCB with K45 plate for 1 wide mechanism

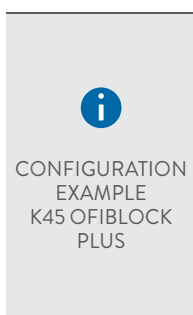


ART. NO.	DESCRIPTION
K107A /8 /9 /14	10 A MCB-RCCB with sensitivity IΔN of 10 mA with K45 plate for 1 wide mechanism

PLATES FOR PROTECTION ELEMENTS WITH DIN FORMAT



ART. NO.	DESCRIPTION
KF03 /8 /9 /14	K45 Plate for MCB or RCCB with DIN format for 3 wide mechanisms



	QTY.	ART. NO. / FINISH	DESCRIPTION
ENCLOSURE	1	KFP106/14	K45 Ofiblock Plus for 6 wide K45 mechanisms, graphite
ELECTRICAL SOCKETS AND PLATES	1	KF04B/14	10 A curve C 2-pole DIN MCB with K45 plate, graphite
	3	K11/14	K45 German socket with quick-terminal connection, graphite
	2	AC11	Electrical socket linker to enable K45 quick-terminal connection sockets to be connected together with no need for wiring
	1	K20/14	K45 combined cable access plate with retainer included, graphite



Connectors and plates for multimedia connections



Direct snap-fit

The commonest multimedia solutions, specially designed to manage any type of multimedia connection, whether analogue or digital, for audio, video, data or combined.

Suitable for installation in meeting rooms, auditoriums, recording studios, etc.
Installation in K45 enclosures by snap-fit and 500 CIMA enclosures using adapter plates. (See page 66)



Centralisation for audiovisual equipment





Convergence of Simon K45 multimedia solutions in Simon 500 Cima enclosures by using adapter plate 50012088/..





Faster, more convenient internal connection system. No soldering or screwed terminals





Female-Female HDMI connector

		QTY.	ART.NO./FINISH	DESCRIPTION	
 CONFIGURATION EXAMPLE OFIBLOCK LINE		ENCLOSURE	1	KSF134/8	K45 Ofiblock Line polished chromed-steel trim frame for 4 wide K45 mechanisms
			1	KFC134/14	K45 Ofiblock Line profile for 4 wide mechanisms, graphite
	ELECTRICAL SOCKETS AND PLATES		1	K11/14	K45 German socket with quick-terminal connection, graphite
			1	KB96U/14	Flat V&D plate with dust shutter and 2 RJ45 Cat.6 UTP, graphite
			1	K100B/14	Female VGA connector with wide K45 plate. Screw connection
			1	K128B/14	Female USB connector Type "A" with narrow K45 plate. Screw connection
	1	K129B/14	Female HDMI connector with narrow K45 plate. Female-female connection		

TV-SAT SOCKETS

ART. NO.	DESCRIPTION
 K130A /8 /9 /14	Individual IEC male TV socket + female SAT with K45 plate. Screw connection
 K120A /8 /9 /14	Single IEC male TV socket with K45 plate. Screw connection
 K102B /8 /9 /14	Single IEC female TV socket with narrow K45 plate. Soldered connection
 K102C /8 /9 /14	Single female satellite socket with narrow K45 plate. Soldered connection

MULTIMEDIA CONNECTORS

ART. NO.	DESCRIPTION
 K126A /8 /9 /14	1.5 A 5 V dc K45 USB charger type A with micro-USB patch cord.
 K126B /8 /9 /14	1.5 A 5 V dc K45 USB charger type A
 K128B /8 /9 /14	Female USB connector Type "A" with narrow K45 plate. Screw connection
 K131B /9	Female USB connector Type "B" with narrow K45 plate. Female-female connection.

FINISH ▶

/8
Painted aluminium/9
White/14
Graphite

ART. NO.	DESCRIPTION
 K100B /8 /9 /14	Female VGA connector with wide K45 plate. Screw connection
 K129B /8 /9 /14	Female HDMI connector with narrow K45 plate. Female-female connection.
 K101B /8 /9 /14	2 RCA audio connectors with narrow K45 plate. Screw connection
 K105B /8 /9 /14	3 RCA audio-video connectors with narrow K45 plate. Screw connection
 K123B /8 /9 /14	Mini-jack connector with narrow K45 plate. Screw connection
 K103B /8 /9 /14	Female S-video connector with narrow K45 plate. Screw connection
 K100A /8 /9 /14	Female VGA connector with narrow K45 plate. Soldered connection
 K102D /8 /9 /14	75 Ω BNC connector with narrow K45 plate. Soldered connection

FINISH ▶

/8
Painted aluminium/9
White/14
Graphite

ART. NO.	DESCRIPTION
K104A /8 /9 /14	Female D-SUB 25 connector (parallel port) with K45 plate for 3 wide mechanisms. Soldered connection

PLATES FOR MULTIMEDIA CONNECTORS



ART. NO.	DESCRIPTION
K122 /8 /9 /14	Wide K45 plate for 1 male or female XLR connector.
K100 /9 /14	Narrow K45 plate for one for 1 D-SUB 9 connector (VGA or serial port).
K101 /9 /14	Narrow K45 plate for 2 RCA connectors.
K102 /9 /14	Narrow K45 plate for 1 BNC connector.
K103 /9 /14	Narrow K45 plate for 1 S-Video connector.



Connectors and plates for quick connections

FINISH ▶

RAL 9003	RAL 7021
/9 White	/14 Graphite

3-POLE QUICK-CONNECT CONNECTORS AND PLATES

ART. NO.	DESCRIPTION
K121A /9 /14	3-pole male quick connector with K45 plate

ART. NO.	DESCRIPTION
K121B /9 /14	3-pole female quick connector with K45 plate.



ART. NO.	DESCRIPTION
KB18A /14	3-pole male graphite quick connector and 3-pole male red quick connector with K45 plate

IEC 320 QUICK-CONNECT CONNECTORS AND PLATES

ART. NO.	DESCRIPTION
K305A /9 /14	IEC 320 male quick connector with K45 plate

ART. NO.	DESCRIPTION
K306A /9 /14	IEC 320 female quick connector with K45 plate

K45 PLATES FOR 3- AND 5-POLE QUICK-CONNECT CONNECTORS

	ART. NO.	DESCRIPTION
	K121 /9 /14	K45 narrow plate for 1 3-pole male or female quick-connect connector
	K18 /9 /14	K45 wide plate for 1 3-pole male or female quick-connect connector
	KB18 /9 /14	K45 wide plate for 2 3-pole male or female quick-connect connectors
	K18W5 /9 /14	K45 2 mechanisms plate for 1 5-pole male or female quick-connect connector
 <p>OTHER QUICK-CONNECT ELEMENTS</p>	   <p>3-pole connectors</p> <p>5-pole connectors</p> <p>Patch cords</p>	






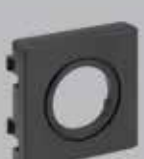
Miscellaneous plates

RAL 9003 RAL 7021

FINISH ▶

/8
Painted aluminium/9
White/14
Graphite

K45 PLATES FOR CABLE MANAGEMENT

	ART. NO.	DESCRIPTION
	K10 /8 /9 /14	K45 wide plate for cable access. Includes rings to fasten cables using cable ties.
	ART. NO.	DESCRIPTION
	K20 /9 /14	K45 combined cable access plate with retainer included (2 x Ø 13 mm & 4 x Ø 6 mm)
	ART. NO.	DESCRIPTION
	K21 /9 /14	K45 wide plate for 20x30 mm trunking inlet for Ofiblock Plus
	ART. NO.	DESCRIPTION
	K19 /9 /14	K45 wide plate for tube access or cable gland Ø 22 mm and Ø 29 mm pre-punched hole

K45 BLIND PLATES

	ART. NO.	DESCRIPTION
	K105 /8 /9 /14	K45 narrow blind plate
	ART. NO.	DESCRIPTION
	K17 /8 /9 /14	K45 wide blind plate

K45 PLATES FOR SIGNALLING AND BEACONING



ART. NO.

DESCRIPTION

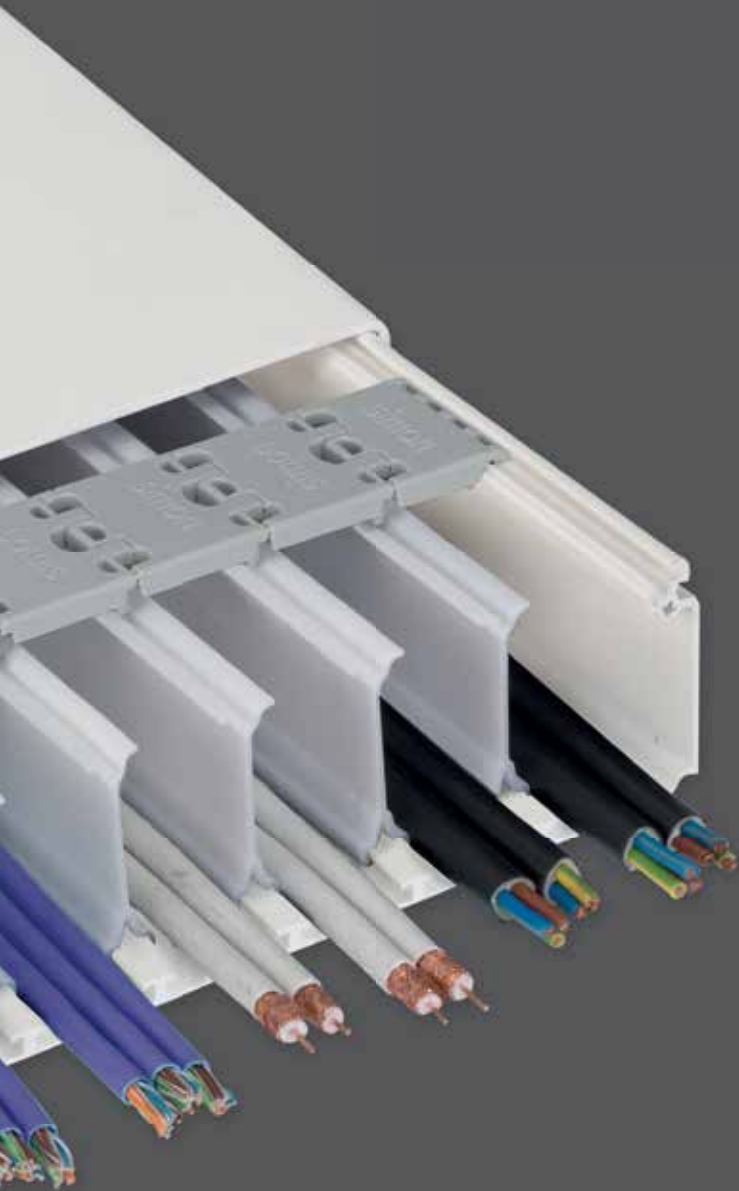
KL05 /9 /14

K45 wide plate with voltage indicator



Simon Trunking

INSTALLATION SYSTEM FOR WIRING DISTRIBUTION AND BRANCHING



The trunking ranges consist of a variety of solutions in PVC or anodised aluminium designed to allow distribution of and branching in wiring in different compartments to enable separation of different types of current and with a varied range of accessories to maintain the protection of the wiring inside along the installation area, from the cabinet to the final connection point, allowing the use of functions in the trunking itself.



www.simonelectric.com/simon-canalizacion

Mini-trunking	154
Wiring distribution trunking	160
Cablomax Trunking (direct snap-fit of K45 solutions)	166
K45 Trunking (direct snap-fit of K45 solutions)	170
DCS System	176
Cable manager	180



STRENGTH AND SAFETY

Simon trunking ranges are manufactured according to national and international standards to ensure personal safety, protection of the equipment used and data transmission.

RoHS DIRECTIVE

The products in Simon's trunking ranges meet the European RoHS Directive on manufacturing by using self-extinguishing, halogen-free thermoplastics and metal materials.

CONNECTOR COMPATIBILITY

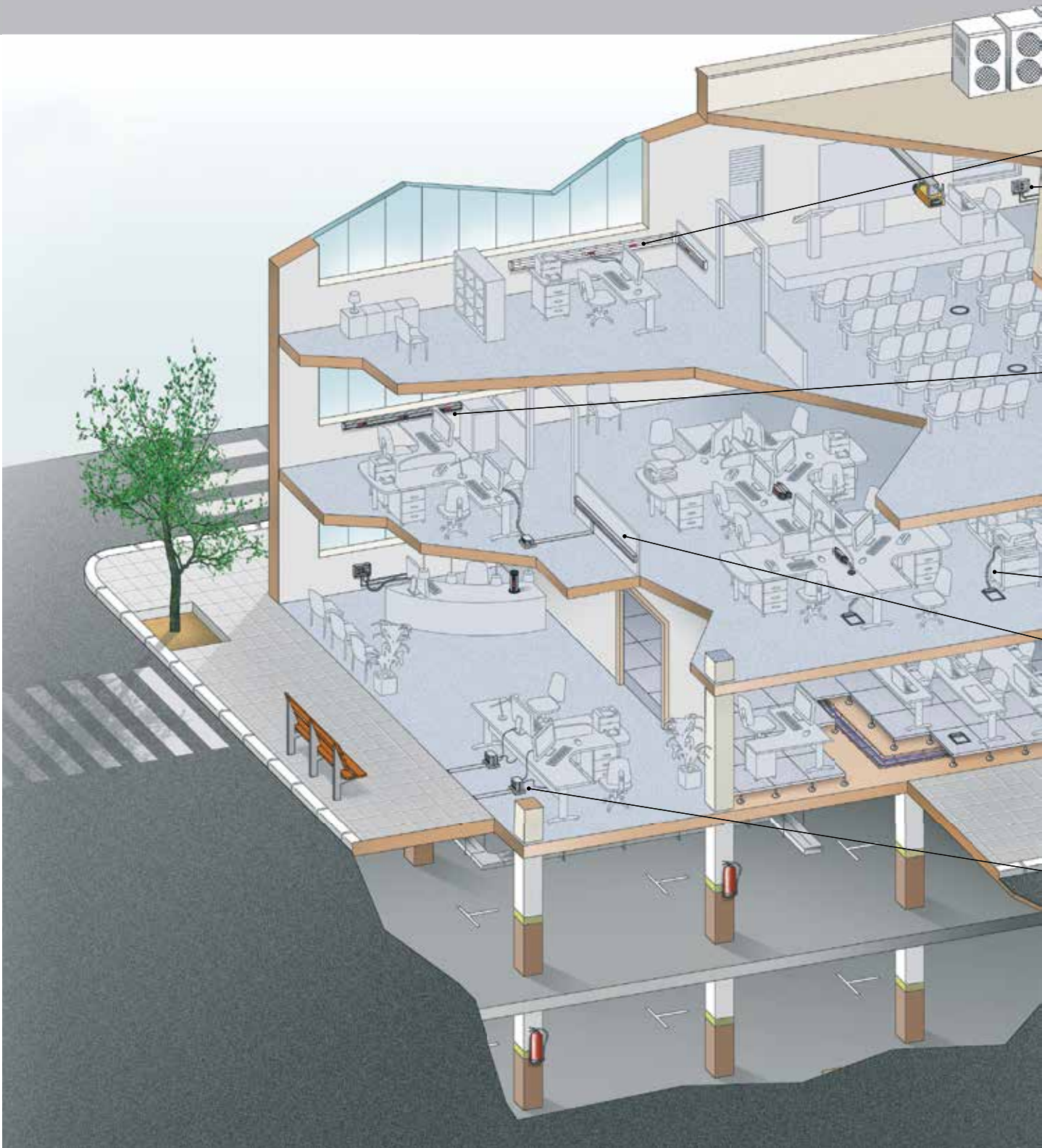
Extensive compatibility with the wide range of voice and data connectors on the market.

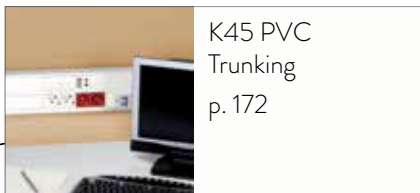
ISOLATION OF CIRCUITS

Fixed compartments to ensure optimum separation of electrical and telecommunications cabling, preventing electromagnetic interference, errors in data transmission and providing better cable management.



Installation systems for cabling distribution and branching. Product application





K45 PVC Trunking
p. 172



PVC Mini-trunking
p. 154



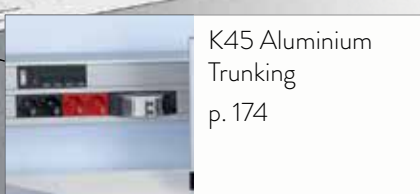
K45 CABLOMAX PVC Trunking
p. 166



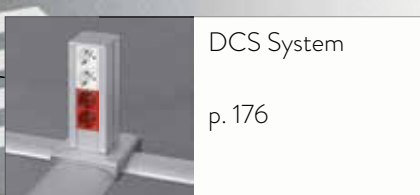
Wiring distribution PVC trunking
p. 160



Cable manager
p. 180



K45 Aluminium Trunking
p. 174



DCS System
p. 176

Installation systems for cabling branching



Homes



Educational establishments



Auditoriums



Commercial premises



Libraries



Kitchens

PVC MINI-TRUNKING: THE PERFECT COMPLEMENT

MINI-TRUNKING WITH HINGED LID

The lid design means it hinges on the profile, allowing it to retain the cables during installation or subsequent maintenance.



CABLE RETAINER

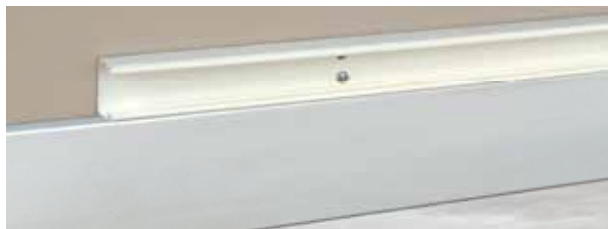
The 40x60 mm mini-trunking model includes one cable retainer each 0.5 m.



EASE OF INSTALLATION

All models include two slotted holes every 25 cm to allow quick and easy fastening of the mini-trunking to the wall.

The 10x22 mm model is also referenced, including an adhesive to fasten the mini-trunking to the wall faster and more conveniently (Art. No. TM1022A/9).



SEPARATION OF ELECTRICAL AND VDM CIRCUITS

Optimum separation for low current circuits, allowing for better cable management, whether electrical or telecommunications.

Choice of several mini-trunking models with double compartment (20x30 mm, 20x50 mm and 40x60 mm).



Features:

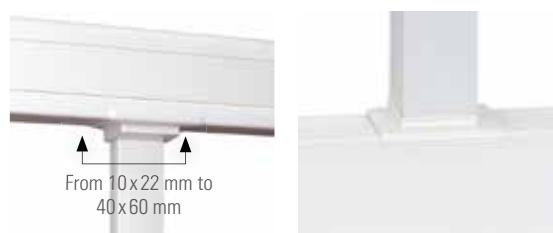
- Mini-trunking material: PVC.
- Accessory material: Thermoplastic
- Trunking length: 2 metre sections.
- Protective film.
- IP protection degree: 4X.
- Impact resistance degree: IK07.
- Fire-resistant, self-extinguishing and non-flame-spread materials.
- Several compartments to allow electrical circuits to be separated from telecommunication circuits.

Complies with:

- Directive 2006/95/EC.
- Spanish Low Voltage Electrotechnical Regulations, Royal Decree 842/2002.
- Harmonised standard UNE-EN-50085.
- Spanish Common Infrastructure and Telecommunications Regulations (RICT), Royal Decree 401/2003.
- RoHS Directive.
- CE marking.

BRANCHING AND INTEGRATION WITH K45 TRUNKING AND PVC WIRING DISTRIBUTION TRUNKING

Branching with any model of K45 mechanism-holder trunking and PVC wiring distribution trunking to Mini-trunking using a single accessory (Art. No. TKA107/9).


INTEGRATION OF 500 CIMA SURFACE MOUNT BOXES

Adapters Art. No. 51020900-030 and 51010900-030 allow lateral adaptation of 20x30 mm and 20x50 mm mini-trunking respectively to 500 CIMA wall boxes. See page 6


INTEGRATION OF K45 WALL BOXES AND OFIBLOCK PLUS

Adapters Art. No. SCM21F/9 and SCM31F/9 allow lateral adjustment of K45 surface-mount boxes to mini-trunking of 20x30 mm and 20x50 mm. Adapter Ref. K21/14 allows lateral adjustment of K45 Ofiblock Plus to Mini-trunking of 20x30 mm. See pages 104 and 94


INTEGRATION WITH SIMON 73 LOFT SERIES

Consult Simon 73 Loft Series.
See page 148 of the General Catalogue

INTEGRATION WITH SIMON 82 CENTRALISATIONS

Consult Simon 82 Centralisations Series.
See page 252 of the General Catalogue



PVC MINI-TRUNKING


MINI-TRUNKING ACCESSORIES

Material: PVC

Material: Thermoplastic

				
Length: 2 m	Flat angle, 90°	External angle	Internal angle	End cover

10x22 mm x 1 compartment

	TMA101201 /9	TMA102201 /9	TMA103201 /9	TMA104201 /9
---	---------------------	---------------------	---------------------	---------------------


10x22 mm **with adhesive** x 1 compartment

	TMA101201 /9	TMA102201 /9	TMA103201 /9	TMA104201 /9
---	---------------------	---------------------	---------------------	---------------------

20x30 mm x 1 compartment

	TMA101202 /9	TMA102202 /9	TMA103202 /9	TMA104202 /9
---	---------------------	---------------------	---------------------	---------------------


20x30 mm x 2 compartments

	TMA101202 /9	TMA102202 /9	TMA103202 /9	TMA104202 /9
---	---------------------	---------------------	---------------------	---------------------

20x50 mm x 1 compartment

	TMA101203 /9	TMA102203 /9	TMA103203 /9	TMA104203 /9
---	---------------------	---------------------	---------------------	---------------------

20x50 mm x 2 compartments

	TMA101203 /9	TMA102203 /9	TMA103203 /9	TMA104203 /9
---	---------------------	---------------------	---------------------	---------------------





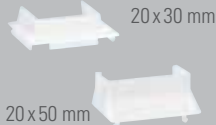
40x60 mm x 1 compartment

	TMA101205 /9	TMA102205 /9	TMA103205 /9	TMA104205 /9
---	---------------------	---------------------	---------------------	---------------------

40x60 mm x 2 compartments

	TMA101205 /9	TMA102205 /9	TMA103205 /9	TMA104205 /9
---	---------------------	---------------------	---------------------	---------------------

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

				 20x30 mm 20x50 mm
Splice cover	T-branching	Cable retainer	Mini-trunking branching	500 CIMA and K45 box adapter

TMA105201 /9	TMA106201 /9	-	TKA107 /9	-
---------------------	---------------------	---	------------------	---

TMA105201 /9	TMA106201 /9	-	TKA107 /9	-
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TMA105202 /9	TMA106202 /9	-	TKA107 /9	500 CIMA surface-mount wall boxes 51010900-030 – K45 Ofiblock Plus K21/14
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TMA105202 /9	TMA106202 /9	-	TKA107 /9	500 CIMA surface-mount wall boxes 51010900-030 – K45 Ofiblock Plus K21/14
---------------------	---------------------	---	------------------	--

TMA105203 /9	TMA106203 /9	-	TKA107 /9	500 CIMA surface-mount wall boxes 51020900-030
---------------------	---------------------	---	------------------	---

TMA105203 /9	TMA106203 /9	-	TKA107 /9	500 CIMA surface-mount wall boxes 51020900-030
---------------------	---------------------	---	------------------	---

TMA105205 /9	TMA106205 /9	in 40x60 mm mini-trunking TMA107205 /9	TKA107 /9	-
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TMA105205 /9	TMA106205 /9	in 40x60 mm mini-trunking TMA107205 /9	TKA107 /9	-
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Installation systems for cabling branching



Universities



Libraries

Educational
establishments

Museums

Industrial
units

Warehouses

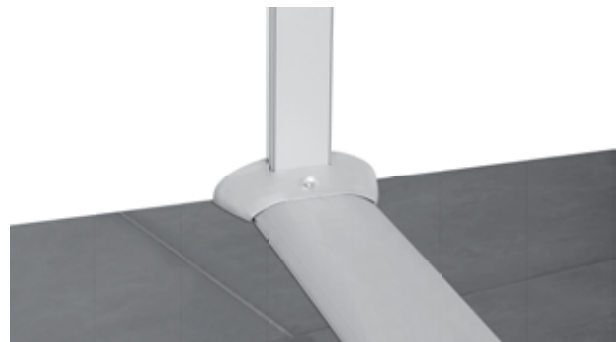
ALUMINIUM MINI-TRUNKING: FOR CABLE BRANCHING AND ELECTROBANDA PRE-WIRED TRUNKING

OPTIMUM INSTALLATION

Specially designed for distribution and branch cabling or installation inside Electrobanda pre-wired trunking (65x40 mm model).

Integration with the DCS System: floor trunking

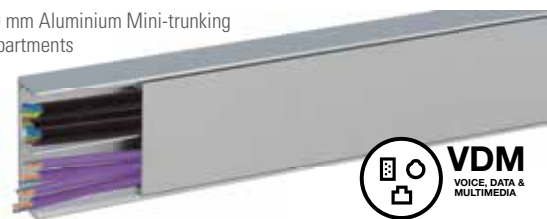
The accessory for branching of DCS trunking to perimeter trunking allows distribution of floor trunking cabling (85x18 mm and 130x18 mm models) to wall trunking (65x20 mm and 65x40 mm models). See page 176.



SEPARATION OF ELECTRICAL AND TELECOMMUNICATIONS CIRCUITS

The division of trunking (65x20 mm model) into **two compartments** enables separation and better organisation of electrical and telecommunications cabling.

65 x 20 mm Aluminium Mini-trunking
2 compartments



ADAPTATION OF ELECTROBANDA PRE-WIRED TRUNKING

Allows quick and easy installation of Electrobanda pre-wired trunking, fixed directly to 65x40 mm aluminium mini-trunking. See page 190.



65 x 40 mm Aluminium mini-trunking and
Electrobanda trunking

Features:

- Mini-trunking material: Anodised aluminium.
- Accessory material: Anodised aluminium/steel/thermoplastic.
- Trunking length: 2 metre sections.
- Protective film.
- IP protection degree: 4X.
- Impact resistance degree: IK07.
- Fire-resistant, self-extinguishing and non-flame-spread materials.
- Several compartments to allow separation of electrical circuits from telecommunication circuits.

Complies with:

- Directive 2006/95/EC.
- Spanish Low Voltage Electrotechnical Regulations, Royal Decree 842/2002.
- Harmonised standard UNE-EN-50085.
- Spanish Common Infrastructure and Telecommunications Regulations (RICT), Royal Decree 401/2003.
- RoHS Directive.
- CE marking.

ALUMINIUM MINI-TRUNKING

MINI-TRUNKING ACCESSORIES

Material: Anodised aluminium Material: Anodised aluminium/steel/thermoplastic

				
Length: 2 m	Flat angle, 90°	External angle, 90°	Internal angle, 90°	End cover

65 x 20 mm x 2 compartments



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

65 x 40 mm x 1 compartment

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

*2 mitre-cut trunking sections

FUNCTIONAL ACCESSORIES

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
 TKA903	Trunking coupling pin	 TKA904	Faston cable connector for earth connection, 120 mm

ADAPTATION OF MECHANISMS FOR ELECTROBANDA PRE-WIRED TRUNKING

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
 TMA08 /8	65 x 120 mm aluminium plate for Electrobanda German socket	 TMA07 /8	65 x 120 mm aluminium plate for Electrobanda French socket

SPARE PARTS

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
 RTT003 /8	Front cover for aluminium mini-Trunking, 65 x 40 mm, anodised aluminium	 RTP001 /8	Mini-Trunking profile, 65 x 40 mm, anodised aluminium

Installation systems for wiring distribution



Offices



Universities



Hotels



Homes



Educational establishments



Health centres

PVC WIRING DISTRIBUTION TRUNKING: DISTRIBUTION AND PROTECTION OF WIRING

OPTIMUM INSTALLATION

Wide range of accessories offering ideal adaptation of the trunking along the installation area.



GREATER ROBUSTNESS

Ruggedness and cable attachment through retainer placement anywhere in the trunking. All models are supplied with one cable retainer every 0.5 metres.



Features:

- Trunking material: PVC.
- Accessory material: Thermoplastic.
- Enables adaptation to Simon universal mechanisms.
- Trunking length: 2 metre sections.
- Protective film.
- IP protection degree: 4X.
- Impact resistance degree: IK07.
- Fire-resistant, self-extinguishing and non-flame-spread materials.
- Interior separators to allow rapid separation of cabling and convenient maintenance.

BENDING ANGLES

The cable diverter (Art. No. TSA003) is designed to maintain the bending radius of structured cabling when branching of cable needs to be performed via the trunking. The same art.no. is compatible with all wiring distribution trunking models.



EASE OF INSTALLATION

For quick and easy wall mounting, all models include two slotted holes every 25 cm.



Complies with:

- Directive 2006/95/EC.
- Spanish Low Voltage Electrotechnical Regulations, Royal Decree 842/2002.
- Harmonised standard UNE-EN-50085.
- Spanish Common Infrastructure and Telecommunications Regulations (RICT), Royal Decree 401/2003.
- RoHS Directive.
- CE marking.



CABLE FASTENING SYSTEM

Trunking includes cable tie-holder holes every 25 cm in the guide anchor to hold the cabling without additional accessories.



PERFECT ALIGNMENT

With the coupling pin a perfect and quickly alignment is achieved, with no tools required.



T-BRANCHING

Allows branching in the trunking (whether primary or secondary), maintaining a perfect finish.



SEPARATION OF ELECTRICAL AND VDM CIRCUITS

The wiring distribution trunking allows up to 6 dividers (Art. No. TSA001), giving optimum wiring separation, suitable for convenient cabling distribution and easy maintenance.



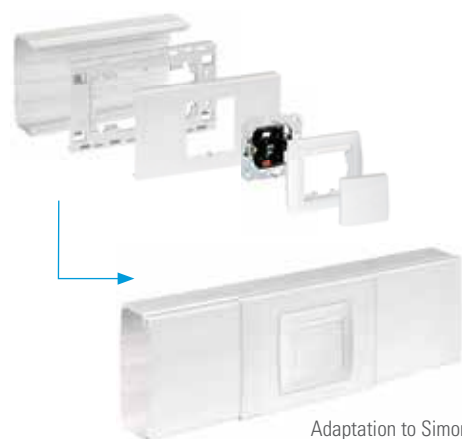
INTEGRATION WITH MINI-TRUNKING

Possibility of branching any wiring distribution trunking model to PVC mini-trunking using a single accessory (Art. No. TKA107/9).



ADAPTATION TO SIMON UNIVERSAL MECHANISMS

The frame and universal frame-holder allow adaptation of Simon universal mechanisms in wiring distribution trunking.



WITH PROTECTIVE FILM



Adaptation to Simon universal mechanisms

PVC WIRING DISTRIBUTION TRUNKING

TRUNKING

ACCESSORIES



Material: PVC

Material: Thermoplastic

PVC wiring distribution trunking is supplied with 1 retainer every 0.5 m.	Cable retainer	Flat angle, 90°	Variable external angle	Variable internal angle	End cover	Splice cover	T-branching

90x55 mm x 3 separators

	TSA905501	TKA101208 /9	TKA102208 /9	TKA103208 /9	TSA905502/9	TKA105208 /9	to 90x55 TKA106208 /9
TS9055 /9							

130x55 mm x 4 separators

	TSA1305501	TKA1305505 /9	TKA1305506 /9	TKA1305507 /9	TSA1305502 /9	TKA1305508 /9	to 90x55 to 130x55 TKA106208 /9 TKA106210 /9 to 160x55 TKA106212 /9
TS13055 /9							

160x55 mm x 4 separators

	TSA1605501	TKA101212 /9	TKA1605506 /9	TKA1605507 /9	TSA1605502 /9	TKA105212/9	to 90x55 TKA106208 /9 to 130x55 TKA106210 /9 to 160x55 TKA106212 /9
TS16055 /9							

185x55 mm x 6 separators

	TSA1855501	TKA101214 /9	TKA1855506 /9	TKA1855507 /9	TSA1855502 /9	TKA105214 /9	to 90x55 TKA106208 /9 to 130x55 TKA106210 /9 to 160x55 TKA106212 /9
TS18555 /9							

FUNCTIONAL ACCESSORIES

	ART. NO. TSA001	DESCRIPTION Internal separator, 55 mm Supplied in 1 metre section		ART. NO. TSA002	DESCRIPTION Coupling pin
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	ART. NO. TSA003	DESCRIPTION Cable diverter
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ADAPTATION OF SOLUTIONS

SIMON UNIVERSAL MECHANISMS

FRAME AND UNIVERSAL FRAME-HOLDER

ART. NO.	DESCRIPTION
TSA905504 /9	90 x 55 mm trunking
TSA1305504 /9	130 x 55 mm trunking
TSA1605504 /9	160 x 55 mm trunking



Mini-trunking branching 10x22, 20x30, 20x50 and 40x60 mm	Flat bending radius	External bending radius

TKA107 /9	TKA108	TKA109
------------------	---------------	---------------

TKA107 /9	TKA108	TKA109
------------------	---------------	---------------

TKA107 /9	TKA108	TKA109
------------------	---------------	---------------

TKA107 /9	TKA108	TKA109
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Installation systems for wiring distribution



Educational establishments



Industrial units



Universities



Mechanical workshops



Warehouses



Shopping centres

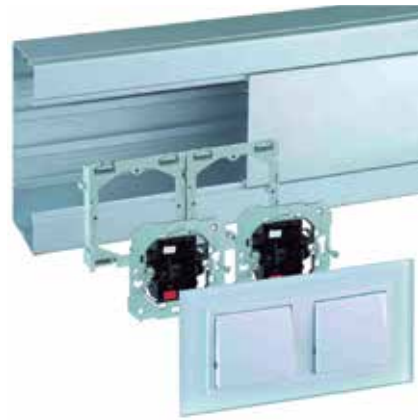
ALUMINIUM WIRING DISTRIBUTION TRUNKING: CAN BE COMBINED WITH SIMON 500 CIMA AND SIMON UNIVERSAL SOLUTIONS

VERSATILITY IN ADAPTING SOLUTIONS

Can be integrated with all Simon 500 Cima solutions using the trim frame and frame-holder (Art. No. 52550900-03X) or Simon universal solutions using adapter (Art. No. TSA007)



Trim frame and frame-holder for installation of Simon 500 Cima solutions





Adapter for installation of solutions based on Simon universal mechanisms

Features:

- Trunking material: Anodised aluminium.
- Accessory material: Thermoplastics painted in aluminium colour.
- Allows adaptation of Simon 500 Cima and Simon universal solutions.
- Trunking length: 2 metre sections.
- Protective film.
- IP protection degree: 4X.
- Impact resistance degree: IK07
- Fire-resistant, self-extinguishing and non-flame-spread materials.

Complies with:

- Directive 2006/95/EC.
- Spanish Low Voltage Electrotechnical Regulations, Royal Decree 842/2002.
- Harmonised standard UNE-EN-50085.
- Spanish Common Infrastructure and Telecommunications Regulations (RICT), Royal Decree 401/2003.
- RoHS Directive.
- CE marking.

		QTY.	Art.No./Finish	DESCRIPTION
 <p>CONFIGURATION EXAMPLE WITH SOLUTIONS SIMON 500 CIMA</p> 	ENCLOSURE	1	TS9055/8	90x55 mm wiring distribution trunking, anodised aluminium
	ELECTRICAL SOCKETS AND PLATES	3	52550900-030	Simon 500 CIMA trim frame and frame-holder, white
		1	50010432-030	Double German socket with 1Click-terminal connection and indicator light, white
		1	50010432-037	Flat V&D plate with dust shutter and 2 RJ45 Cat.6 UTP, white
		2	50002089-030	Voice and data flat plate with 2 RJ45 connectors, Cat. 6 UTP, white
		2	TKA905502/8	End cover for 90x55 mm wiring distribution trunking, aluminium

ALUMINIUM WIRING DISTRIBUTION TRUNKING

TRUNKING ACCESSORIES

Material:
Anodised aluminium

Material: Thermoplastic painted in aluminium

								
Length: 2 m	Flat angle, 90°	Variable external angle	Variable internal angle	End cover	Splice cover	T-branching	Flat bending radius	External bending radius


90x55 mm


	TKA101208 /8	TKA102208 /8	TKA103208 /8	TKA905502 /8	TKA105208 /8	to 90x55 mm TKA106208 /8	TKA108	TKA109
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130x55 mm

	TKA1305505 /8	TKA1305506 /8	TKA1305507 /8	TKA1305502 /8	TKA1305508 /8	to 90x55 TKA106208 /8 to 130x55 mm TKA106210 /8	TKA108	TKA109
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FUNCTIONAL ACCESSORIES

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
	TSA001 Internal separator, 55 mm. Supplied in 1 metre section		TKA904 Faston cable connector for earth connection, 120 mm

ART. NO.	DESCRIPTION
	TSA002 Coupling pin

SOLUTION ADAPTATION ACCESSORIES

ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
	TSA007 Linkable solutions adapter for Simon universal mechanisms		52550900 -030 -033 -038 Trim frame and frame-holder for Simon 500 CIMA solutions

 CONFIGURATION EXAMPLE WITH SIMON 82 NATURE SOLUTIONS		QTY.	Art. No./Finish	DESCRIPTION	
		ENCLOSURE	1	TS9055/8	90x55 mm wiring distribution trunking, anodised aluminium
		ELECTRICAL SOCKETS AND PLATES	2	TSA007	Adapter for Simon universal mechanisms
			2	75101-30	10 AX 250 V ac 1-pole one-way switch
		2	82010-33	Simon 82 rocker, aluminium	
1	82927-33	2-gang frame Simon 82 Nature, aluminium			
2	TKA905502/8	End cover for 90x55 mm wiring distribution trunking, aluminium			

Installation systems for wiring distribution



Direct snap-fit



Offices



Meeting rooms

Commercial
premises

Libraries



Laboratories



Hotels

K45 CABLOMAX PVC AND ALUMINIUM TRUNKING: DISTRIBUTION OF CABLING AND INTEGRATION OF K45 SOLUTIONS IN A SINGLE ENCLOSURE OF HIGH AESTHETIC VALUE

STYLISH, FUNCTIONAL DESIGN

Trunking specially designed with high performance for integration into any space: management offices, meeting and conference rooms, offices, commercial premises, waiting rooms, libraries, test laboratories, etc.

Available in 2 finishes: PVC or anodised aluminium, for choice of the best finish based on room interior decoration needs.



Management offices

SAFETY IN INSTALLATION

Separation of electrical and VDM circuits

- Cabling routing through the top and bottom compartments, with the front compartment reserved for housing solutions. In this way a **proper separation of electrical and telecommunications circuits** is achieved.
- The anodised aluminium covers include a guide for the earth connection.



Offices



Features:

- Trunking base material: Thermoplastic.
- Trunking cover material: PVC and anodised aluminium.
- Accessory material: White thermoplastic and painted aluminium.
- Direct integration of Simon K45 solutions.
- Trunking length: 2 metre sections.
- Protective film.
- IP protection degree: 4X.
- Fire-resistant, self-extinguishing and non-flame-spread materials.

Complies with:

- Directive 2006/95/EC.
- Spanish Low Voltage Electrotechnical Regulations, Royal Decree 842/2002.
- Harmonised standard UNE-EN-50085.
- Spanish Common Infrastructure and Telecommunications Regulations (RICT), Royal Decree 401/2003.
- RoHS Directive.
- CE marking.

OPTIMUM INSTALLATION

Greater ease and speed of assembly

Cablomax trunking for snap-fit K45 solutions. Allows assembly of all the functions of the K45 range, without accessories, achieving great savings in assembly time and reducing installation costs.



Designed with maximum functionality

The base of the Cablomax trunking incorporates separators for cabling distribution. In addition to retaining the cables, the separators act as circuit separators, preventing electromagnetic interference that the electrical circuits could cause.

The base of the Cablomax trunking is supplied with punched gaps between the top and bottom compartments every 75 cm to allow quick connection of solutions without the need to machine the base of the trunking.



Greater flexibility

Variable angles from 65° to 95° for the best trunking adaptation to changes in wall direction.

Wide range of accessories offering ideal adaptation of the trunking along the installation area.



CABLOMAX PVC TRUNKING FOR K45 SOLUTIONS

TRUNKING

ACCESSORIES

DIRECT
SNAP-FIT

Material: PVC

Material: Thermoplastic

Length: 2 m	Ascending flat angle, 90°	Descending flat angle, 90°	Variable external angle	Variable internal angle	End cover	Splice cover	T-branching

130 x 55 mm

	TKA011210 /9	TKA021210 /9	TKA002210 /9	TKA003210 /9	TKA004210 /9	TKA005210 /9	TKA0062
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170 x 55 mm

	TKA011213 /9	TKA021213 /9	TKA002213 /9	TKA003213 /9	TKA004213 /9	TKA005213 /9	TKA0062/9
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210 x 55 mm

	TKA011216 /9	TKA021216 /9	TKA002216 /9	TKA003216 /9	TKA004216 /9	TKA005216/9	-
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K45 FUNCTIONS








	ART. NO. DESCRIPTION K11/.. Electrical sockets Quick-terminal connection More information on page 130		ART. NO. DESCRIPTION K106A/.. Protection K45 MCB More information on page 140
	ART. NO. DESCRIPTION KF04B/.. Protection DIN MCB More information on page 140		ART. NO. DESCRIPTION K302 + K112/.. Mechanisms K45 two-way switch More information on page 126
	ART. NO. DESCRIPTION KB95U/.. V&D plates Flat or angled plates with or without RJ45 connectors More information on page 134		ART. NO. DESCRIPTION K100B/.. Multimedia plates VGA connector with plate More information on page 142
	ART. NO. DESCRIPTION K305A/.. Quick connect plates IEC 320 connector with plate More information on page 146		

K45 CABLOMAX ALUMINIUM TRUNKING FOR K45 SOLUTIONS

TRUNKING

ACCESSORIES

Material: Anodised aluminium Material: Thermoplastic painted in aluminium

							
Length: 2 m	Ascending flat angle, 90°	Descending flat angle, 90°	Variable external angle	Variable internal angle	End cover	Splice cover	T-branching

130x55 mm

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

170x55 mm


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

210x55 mm

	TKA011216 /8 *	TKA021216 /8 *	TKA002216 /8	TKA003216 /8	TKA004216 /8	TKA005216 /8	-
TK01163 /8							

*Mitre-cut trunking sections

SPARE PARTS

	ART. NO.	DESCRIPTION
	RTT002 /8	2-metre front cover for Cablmax aluminium trunking.

Installation systems for wiring distribution



Direct snap-fit



Universities



Industrial units

Educational
establishmentsMechanical
workshops

Warehouses



Homes

K45 PVC AND ALUMINIUM TRUNKING: DISTRIBUTION OF CABLING AND INTEGRATION OF K45 SOLUTIONS IN A SINGLE ENCLOSURE

QUICK AND EASY INSTALLATION

Direct snap-fit of K45 solutions

Allows assembly of all the functions of the K45 range, without accessories, achieving great savings in assembly time and reducing installation costs.



SAFETY IN INSTALLATION

Separation of electrical and VDM circuits

Trunking with 1, 2 and 3 fixed compartments for isolation of electrical and VDM cabling. Up to 3 internal separators can also be press fitted to provide the trunking with exceptional modularity and flexibility, allowing planning of each separator content according to installation requirements.



GREATER FLEXIBILITY

Variable angles from 85° to 108° for the best trunking adaptation to changes in wall direction. Wide range of accessories offering ideal adaptation of the trunking along the installation area.



Features:

- Trunking material: PVC and anodised aluminium.
- Accessory material: White thermoplastic and painted aluminium (except 70 x 50 mm model).
- Direct integration of Simon K45 solutions.
- Trunking length: 2 metre sections.
- Protective film.
- IP protection degree: 4X.
- Impact resistance degree: IK07.
- Fire-resistant, self-extinguishing and non-flame-spread materials.

Complies with:

- Directive 2006/95/EC.
- Spanish Low Voltage Electrotechnical Regulations, Royal Decree 842/2002.
- Harmonised standard UNE-EN-50085.
- Spanish Common Infrastructure and Telecommunications Regulations (RICT), Royal Decree 401/2003.
- RoHS Directive.
- CE marking.

T-BRANCHINGS

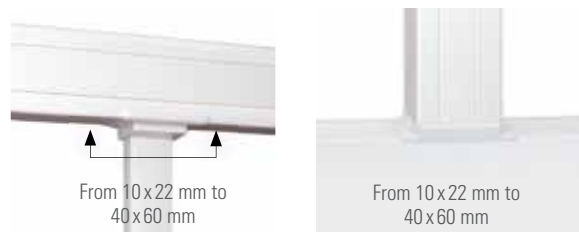
Maintain IP4X level in the facility, hiding cuts in the trunking made at T branchings. Available in any trunking model to width trunking of 90, 130 or 160 mm.


STIFFENER

Placing a stiffener at each side of a set of K45 solutions guarantees perfect fastening to the trunking. This accessory is also suitable as a splice cover when two front covers are joined in the trunking.


BRANCHING TO MINI-TRUNKING AND PVC WIRING DISTRIBUTION TRUNKING

Cutting the part along the pre-punched line adapts it easily to fit the desired mini-trunking model.


EXTERNAL BENDING RADIUS

FLAT BENDING RADIUS


Helps to maintain the optimum bending radius depending on the type of angle



K45 PVC TRUNKING FOR K45 SOLUTIONS

TRUNKING

ACCESSORIES




Material: PVC

Material: Thermoplastic


				
Length: 2 m	Flat angle, 90°	Variable external angle	Variable internal angle	End cover

90x55 mm x 1 compartment


90x50 mm trunking is supplied with 1 stiffener every 0.5 m.

	TKA101208 /9	TKA102208 /9	TKA103208 /9	TKA905502 /9
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130x55 mm x 2 compartments

	TKA1305505 /9	TKA1305506 /9	TKA1305507 /9	TKA1305502 /9
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160x55 mm x 2 compartments


	TKA101212 /9	TKA1605506 /9	TKA1605507 /9	TKA1605502 /9
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185x55 mm x 3 compartments


	TKA101214 /9	TKA1855506 /9	TKA1855507 /9	TKA1855502 /9
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FUNCTIONAL ACCESSORIES

	ART. NO.	DESCRIPTION		ART. NO.	DESCRIPTION
	TKA901	/9 K45 trunking stiffener. Provides rigidity to fastening of groups of solutions. This accessory is also suitable as a splice cover when two front covers are joined in the trunking. Supplied in 90x55 mm trunking		TKA902	Internal separator, 45 mm Supplied in 1 metre sections

	ART. NO.	DESCRIPTION
	TKA903	/9 Trunking coupling pin. Joins trunking sections together and helps to level them and improve visual finish appearance

SPARE PARTS

	ART. NO.	DESCRIPTION
	RTT001	/9 2-metre front cover for K45 PVC trunking with 55 mm deep.

				
Splice cover	T-branching	Mini-trunking branching 10 x 22, 20 x 30, 20 x 50 and 40 x 60 mm trunking models	Flat bending radius	External bending radius

TKA105208 /9	to 90x55 mm TKA106208 /9	TKA107 /9	TKA108	TKA109
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TKA1305508 /9	to 90x55 mm TKA106208 /9 to 130x55 mm TKA106210 /9	TKA107 /9	TKA108	TKA109
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TKA105212 /9	to 90x55 mm TKA106208 /9 to 130x55 mm TKA106210 /9 to 160x55 mm TKA106212 /9	TKA107 /9	TKA108	TKA109
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TKA105214 /9	to 90x55 mm TKA106208 /9 to 130x55 mm TKA106210 /9 to 160x55 mm TKA106212 /9	TKA107 /9	TKA108	TKA109
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K45 FUNCTIONS

	ART. NO. DESCRIPTION KS11/.. Electrical sockets Quick-terminal connection More information on page 130		ART. NO. DESCRIPTION K106A/.. Protection K45 MCB More information on page 140
	ART. NO. DESCRIPTION KB95U/.. V&D plates Flat or angled plates with or without RJ45 connectors More information on page 134		ART. NO. DESCRIPTION K100B/.. Multimedia plates VGA connector with plate More information on page 142

K45 ALUMINIUM TRUNKING FOR K45 SOLUTIONS




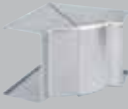


TRUNKING

ACCESSORIES




Material: Anodised aluminium


Material: Thermoplastic painted in aluminium

					
Length: 2 m	Flat angle, 90°	Variable external angle	Variable internal angle	End cover	Splice cover


90x55 mm x 1 compartment

 TK11081 /8	TKA101208 /8	TKA102208 /8	TKA103208 /8	TKA905502 /8	TKA105208 /8
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130x55 mm x 2 compartments

 TK11102 /8	TKA10305505 /8	TKA1305506 /8	TKA1305507 /8	TKA1305502 /8	TKA1305508 /8
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160x55 mm x 2 compartments



 TK11122 /8	TKA101212 /8	TKA1605506 /8	TKA1605507 /8	TKA1605502 /8	TKA105212 /8
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185x55 mm x 3 compartments

 TK11143 /8	TKA101214 /8	TKA1855506 /8	TKA1855507 /8	TKA1855502 /8	TKA105214 /8
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Material: Anodised aluminium

Material: Stainless steel

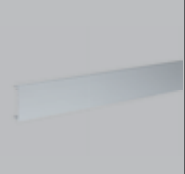

					
Length: 2 m	Universal accessory	Fixed external angle	Fixed internal angle	End cover	Plastic end cover

70x50 mm x 1 compartment

TK11071 /8*	TKA101307 /8	TKA102307 /8	TKA103307 /8	TKA104307 /8	TKA104207 /24
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*The 70x50 mm trunking model does not allow mounting of electrical sockets with quick-terminal connection (Art. No. K11/..., K22/..., KS11/... and KS22/...)

SPARE PARTS

ART.NO.	DESCRIPTION	ART.NO.	DESCRIPTION
 RTT001 /8	2-metre front cover for K45 anodised aluminium trunking with 55 mm deep.	 RTP002 /8	2-metre K45 anodised aluminium 70 x 50 mm trunking profile

FINISH ▶ /8 Anodised Al

FUNCTIONAL ACCESSORIES



ART. NO.	DESCRIPTION
TKA902	Internal separator, 45 mm Supplied in 1 metre sections

ART. NO.	DESCRIPTION
TKA903	Trunking coupling pin Joins trunking sections together and helps to level them and improve visual finish appearance

ART. NO.	DESCRIPTION
TKA904	Faston cable connector for earth connection, 120 mm. For branching to earth connection.

K45 FUNCTIONS

ART. NO.	DESCRIPTION
K11/..	Electrical sockets Quick-terminal connection More information on page 130

ART. NO.	DESCRIPTION
K106A/..	Protection K45 MCB More information on page 140

ART. NO.	DESCRIPTION
KB95U/..	V&D plates Flat or angled plates with or without RJ45 connectors More information on page 134

ART. NO.	DESCRIPTION
K100B/..	Multimedia plates VGA connector with plate More information on page 142

T-branching	Flat bending radius	External bending radius

to 90x55 mm TKA106208 /8	TKA108	TKA109
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to 90x55 mm TKA106208 /8 to 130x55 mm TKA106210 /8	TKA108	TKA109
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to 90x55 mm TKA106208 /8 to 130x55 mm TKA106210 /8 to 160x55 mm TKA106212 /8	TKA108	TKA109
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to 90x55 mm TKA106208 /8 to 130x55 mm TKA106210 /8 to 160x55 mm TKA106212 /8	TKA108	TKA109
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Splice cover

TKA105307 /8

Installation systems for wiring distribution



Offices



Universities

Industrial
unitsEducational
establishmentsMechanical
workshops

Warehouses

DCS SYSTEM: FOR UNDERFLOOR WIRING DISTRIBUTION

THE SOLUTION IN FLOOR TRUNKING

The DCS system provides for electricity and VDM supply from any point in the room to the workplaces from perimeter trunking or from an enclosure. Available in 3 models and 2 versions: accessible (profile and cover) or inaccessible (closed trunking).

STRENGTH AND SAFETY

High impact resistance

Made from aluminium to offer maximum strength and durability against impacts, knocks, footsteps and other aggressions. Able to withstand passing vehicles (depending on weight/size).

Safety

Once installed, it is fully closed and inaccessible to provide maximum safety in installation.



Features:

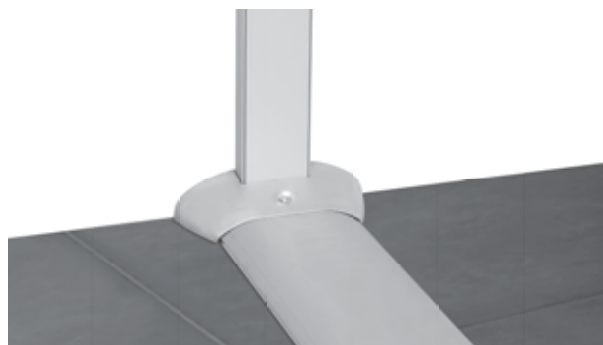
- Trunking material: Anodised aluminium.
- Accessory material: Plinths in stainless steel and end covers in anodised aluminium.
- Trunking length: 2-metre sections (closed trunking 2.75 m).
- IP protection degree: 4X.
- Impact resistance degree: IK08 – IK10, (depending on art.no.).
- Fire-resistant, self-extinguishing and non-flame-spread materials.
- With electrical continuity.

Complies with:

- Directive 2006/95/EC.
- Spanish Low Voltage Electrotechnical Regulations, Royal Decree 842/2002.
- Harmonised standard UNE-EN-50085.
- RoHS Directive.
- CE marking.

INTEGRATION INTO THE SYSTEM
Adaptation to 65x20 mm Mini-trunking and 70x50 mm K45 trunking

The branching accessory allows distribution of wiring from floor trunking (85x18 mm and 130x18 mm sizes) to wall trunking.



More information on K45 Aluminium Trunking on page 174
 More information on Aluminium Mini-trunking on page 158

Adaptation of the DCS system to 500 Cima Mini-towers and K45 Mini-columns

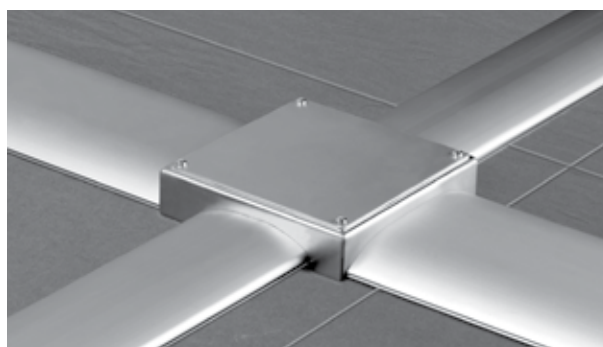
Distribution plinths allow adaptation of 500 Cima Mini-towers and K45 Mini-columns to perform final connections.



More information on pages 26 & 118

Distribution plinth

Several art.no.s with various punched and pre-punched gaps for entry of floor trunking models with 85x18 mm and 130x18 mm.






ANODISED ALUMINIUM FLOOR TRUNKING

TRUNKING


	ART. NO. TF11172 /8	DESCRIPTION 2-metre 85x18 mm floor trunking with cover (accessible)		ART. NO. TF21172/.. /8	DESCRIPTION 2.75-metre 85x18 mm closed floor trunking (inaccessible)
	ART. NO. TF11183 /8	DESCRIPTION 2-metre 130x18 mm floor trunking with cover (accessible)		ART. NO. TF21183 /8	DESCRIPTION 2.75-metre 130x18 mm closed floor trunking (inaccessible)
	ART. NO. TF11193 /8	DESCRIPTION 2-metre 240x34 mm floor trunking with cover (accessible)			

END COVER


	ART. NO. TFA904417 /8	DESCRIPTION End cover for 85x18 mm floor trunking, anodized aluminium		ART. NO. TFA904418 /8	DESCRIPTION End cover for 130x18 mm floor trunking, anodized aluminium
	ART. NO. TFA904419 /8	DESCRIPTION End cover for 240x34 mm floor trunking, anodized aluminium			

BRANCHING OF FLOOR TRUNKING TO WALL TRUNKING


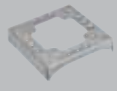


From 85x18 mm floor trunking

	ART. NO. TFA965417 /8	DESCRIPTION To 65x20 mm aluminium mini-trunking			
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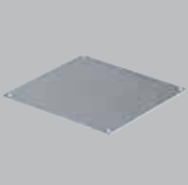
From 130x18 mm floor trunking

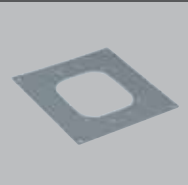
	ART. NO. TFA965418 /8	DESCRIPTION To 65x20 mm aluminium mini-trunking			
	ART. NO. TFA970418 /8	DESCRIPTION To 70x50 mm K45 aluminium trunking			


DISTRIBUTION PLINTHS FOR 85x18 mm and 130 x18 mm FLOOR TRUNKING

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

ACCESSORIES

	ART. NO.	DESCRIPTION
	KTA904 /8	Trim cover for distribution plinths

	ART. NO.	DESCRIPTION
	ALKA02 /8	Auxiliary cover for adaptation of K45 Mini-columns to distribution plinths

	ART. NO.	DESCRIPTION
	52554204 -030	Entry plinth for 85x18 mm floor trunking for adaptation of Simon 500 Cima Mini-tower

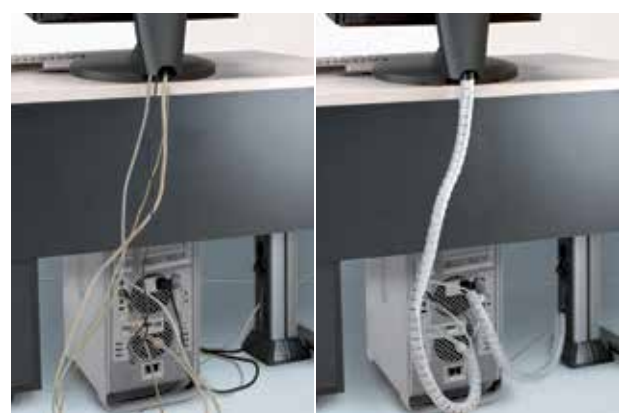


Installation systems for wiring distribution

CABLE MANAGER WORKPLACE TIDYING

CABLE MANAGEMENT

The cable manager lets you gather a **set of cables** together quickly and easily to make **one bundle**. Specially designed to be integrated into the interior decoration of office or commercial premises, offering a **clean, tidy image** and greater safety and **hygiene in the workplace**.



Without cable manager

With cable manager

STRONG AND FLEXIBLE MATERIALS

It consists of an open, **translucent** tube, with a **diameter of 25 mm** and manufactured using **polyethylene**, a very flexible yet also strong material. It recovers its initial position easily and protects the cabling from knocks or scratches in electrical and/or telecommunications installations.



Easy to use applicator

Features:

- Material: Polyethylene.
- Length: 2 - metre sections and 20 - metre reels.
- Cross - section: 25 mm diameter.
- Cabling applicator.

Complies with:

- Directive 2006/95/EC.
- Spanish Low Voltage Electrotechnical Regulations, Royal Decree 842/2002.
- RoHS Directive.

CABLE MANAGER



ART. NO.	DESCRIPTION
TC250 /0	Cable manager, Ø 25 mm, 2 metres long (includes cabling applicator).



ART. NO.	DESCRIPTION
TC251 /0	Cable manager, Ø 25 mm, on 20-metre reel (not including cabling applicator)



ART. NO.	DESCRIPTION
TCA2501	Cabling applicator for Ø 25 mm cable manager

i
ORGANISATION
AT YOUR
WORKPLACE IN
3 EASY STEPS



Simon electrical wiring

QUICK-CONNECT SYSTEM FOR POWER SUPPLY NETWORKS

Certified system in fixed installations for installing mechanisms, power supply sockets and luminaires based on the “arrive & connect” feature, minimising the time spent on site. Connection is made by joining the male connector to the female connector to prevent errors in connections and includes an anchoring system to avoid accidental disconnection. The connector colour identifies the type of connection.



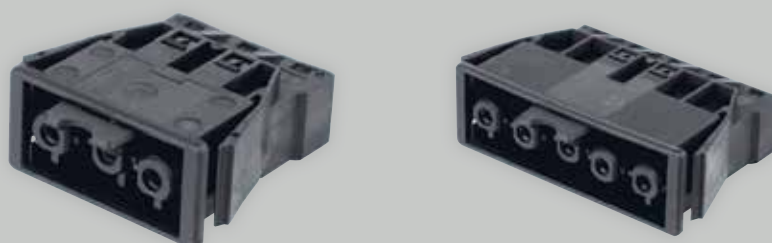
www.simonelectric.com/simon-cableado-electrico

Quick-connect connectors	184
Plates for quick-connect connectors	186
Quick-connect patch cords	187
Diverters	188
Electrobanda	190



COMPLIES WITH THE STANDARD

Connection system compliant with the Standard for fixed installations.



SUITABLE FOR ALL TYPES OF INSTALLATIONS

3- and 5-pole versions to cover the most common installations.



VISUAL CIRCUIT IDENTIFICATION

The connector colour identifies the type of connection: White (lighting line or standard power supply line) black (standard power supply line) and Red (UPS stabilised power supply line).



Quick-connect system for power-supply networks

QUICK AND SAFE CONNECTION

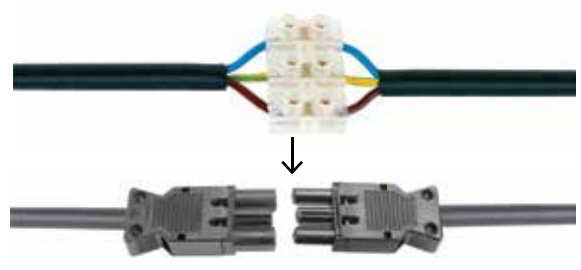
System for installing mechanisms, power supply sockets and luminaires based on the “arrive & connect” feature. For quick and convenient pre-assembly in the workshop, minimising time spent on site by reducing the product installation to connection.

Moreover, connection protection and safety are improved as live parts of the wiring are no longer visible. The connectors incorporate two shapes (male/female) to prevent connection errors and include a strain relief system to prevent accidental disconnection. The type of connection can be identified through the connector colour.

This type of installation can reduce installation time by up to 70% and costs by up to 30% compared with a traditional electrical installation.

THE EVOLUTION OF CONNECTIONS!

Quick-connect replaces the traditional terminal strip with maximum protection and safety assurance.



PROTECTION AGAINST DIRECT CONTACT

The range of quick connectors (male and female in overhead and snap-fit version) includes protection against direct access to contacts.



Male connector



Female connector

INSTALLATION IN ENCLOSURES

4- and 6-double module adjustable floor boxes, include pre-punched holes in the side to be able to fit 2 3-pole quick-connect connectors in the box. It can also be installed in a variety of enclosures, such as K45 Teleblock or K45 Ofiblock using K45 plates for quick-connect connectors.



(See page 16)

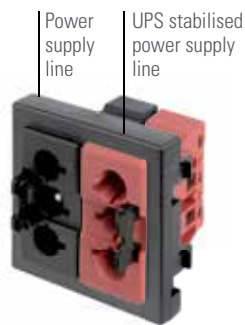
SAFETY CLAMP

The strain relief included in the quick-connect connectors prevents the patch cord from suffering accidental disconnection.



ALSO FOR UPS STABILISED POWER SUPPLY LINE

Special connectors for differentiating UPS stabilised power supply line. Connector design with specific geometry to prevent connection errors when trying to connect with another type of power supply line. In addition, it is supplied in red for easy identification.



CERTIFIED FOR FIXED INSTALLATIONS

The quick connection system complies with IEC standard 61535:2010, as suitable for use in installing of mechanisms, power supply sockets and luminaires.

INSTALLATION SYSTEM UNDER RAISED FLOOR

Installation under raised floor using K45 Ofblock Compact aluminium enclosure as diverter and combined with 3-pole snap-fit quick-connect connectors.



Possibility of combining enclosures and K45 plates with quick-connect connectors.

COMPATIBILITY BETWEEN CONNECTORS AND IDENTIFICATION OF LINES BASED ON COLOUR

White

White connectors for identifying lighting lines or other standard power supply lines.

Black

Black connectors for identifying standard power supply lines.

Red

Red connectors designed with special geometry for identifying UPS stabilised network lines.*



*Red quick-connect connectors have specific geometry to prevent connection errors with other types of power supply lines (not compatible with white or black quick-connect connectors).

QUICK-CONNECT CONNECTORS

	ART. NO. CR0001 /9 /14 /6	DESCRIPTION 3-pole female snap-fit quick-connect connector. With strain relief connection.		ART. NO. CR0002 /9 /14 /6	DESCRIPTION 3-pole male snap-fit quick-connect connector. With strain relief connection.
	ART. NO. CR0003 /9 /14 /6	DESCRIPTION 3-pole female overhead quick-connect connector. Screw connection		ART. NO. CR0004 /9 /14 /6	DESCRIPTION 3-pole male overhead quick-connect connector. Screw connection
	ART. NO. CR5001 /14	DESCRIPTION 5-pole female snap-fit quick-connect connector. With strain relief connection.		ART. NO. CR5002 /14	DESCRIPTION 5-pole male snap-fit quick-connect connector. With strain relief connection.
	ART. NO. CR5003 /14	DESCRIPTION 5-pole female overhead quick-connect connector. Screw connection		ART. NO. CR5004 /14	DESCRIPTION 5-pole male overhead quick-connect connector. Screw connection

Quick-connectors in /6 are not compatible with quick-connectors in /9 /14 to prevent mistakes in connecting to other types of power supply lines.


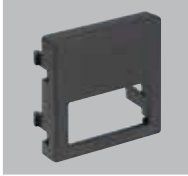
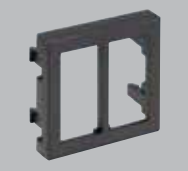
IEC 320 QUICK-CONNECT CONNECTORS

	ART. NO. K305A /9 /14	DESCRIPTION IEC 320 female quick-connect connector with K45 plate.		ART. NO. K306A /9 /14	DESCRIPTION IEC 320 female quick-connect connector with K45 plate.
	ART. NO. KTL8 /14	DESCRIPTION German plug - female IEC 320 2 metres electrical patch cord			

3-POLE SNAP-FIT QUICK-CONNECT CONNECTOR WITH K45 PLATES


	ART. NO. K121A /9 /14	DESCRIPTION 3-pole male snap-fit quick-connect connector with narrow K45 plate		ART. NO. K121B /9 /14	DESCRIPTION 3-pole female snap-fit quick-connect connector with narrow K45 plate
	ART. NO. KB18A /14	DESCRIPTION 3-pole male snap-fit graphite quick-connect connector and 3-pole male snap-fit red quick-connect connector with wide K45 plate			

K45 PLATES FOR 3-POLE SNAP-FIT QUICK-CONNECT CONNECTORS

	ART. NO. K121 /9 /14	DESCRIPTION K45 narrow plate for 1 3-pole snap-fit quick-connect connector		ART. NO. K18 /9 /14	DESCRIPTION K45 wide plate for 1 3-pole snap-fit quick-connect connector
	ART. NO. KB18 /9 /14	DESCRIPTION K45 wide plate for 2 3-pole snap-fit quick-connect connectors			









Simon K45 quick-connect plates are also compatible with WAGO® 3-pole quick-connect connectors

K45 PLATES FOR 5-POLE SNAP-FIT QUICK-CONNECT CONNECTORS

	ART. NO. K18W5 /9 /14	DESCRIPTION K45 2-mechanism length plate for 1 5-pole snap-fit quick-connect connector			
--	---------------------------------	---	--	--	--

Simon K45 quick-connect plate is also compatible with WAGO® 5-pole quick-connect connectors

3-POLE QUICK-CONNECT PATCH CORDS

	ART. NO. CR1020 /9 /14	DESCRIPTION 3-pole female overhead quick connect connector-German plug electrical patch cord. 2 metres. PVC, 3x1.5 mm ² cross-section		ART. NO. CR6020 /9 /14 /6	DESCRIPTION 3-pole female overhead quick connect connector-German plug electrical patch cord. 2 metres. RZ – 0.6/1 kV cable. Halogen-free. 3x2.5 mm ² cross-section
	ART. NO. CR4020 /9 /14 /6	DESCRIPTION 3-pole female overhead quick connect connector-free end electrical patch cord. 2 metres. RZ – 0.6/1 kV cable. Halogen-free. 3x2.5 mm ² cross-section		ART. NO. CR2010 /9 /14 /6	DESCRIPTION 3-pole female-male overhead quick connect connector electrical patch cord 1 metre. RZ – 0.6/1 kV cable. Halogen-free. 3x2.5 mm ² cross-section
	ART. NO. CR2020 /9 /14 /6	DESCRIPTION 3-pole female-male overhead quick connect connector electrical patch cord. 2 metres. RZ – 0.6/1 kV cable. Halogen-free. 3x2.5 mm ² cross-section		ART. NO. CR2030 /9 /14 /6	DESCRIPTION 3-pole female-male overhead quick connect connector electrical patch cord. 3 metres. RZ – 0.6/1 kV cable. Halogen-free. 3x2.5 mm ² cross-section
	ART. NO. CR2040 /9 /14 /6	DESCRIPTION 3-pole female-male overhead quick connect connector electrical patch cord. 4 metres. RZ – 0.6/1 kV cable. Halogen-free. 3x2.5 mm ² cross-section		ART. NO. CR2050 /9 /14 /6	DESCRIPTION 3-pole female-male overhead quick connect connector electrical patch cord. 5 metres. RZ – 0.6/1 kV cable. Halogen-free. 3x2.5 mm ² cross-section



FINISH

/6
Red/9
White/14
Graphite



ART. NO.	DESCRIPTION	ART. NO.	DESCRIPTION
CR2060 /9 /14 /6	3-pole female-male overhead quick connect connector electrical patch cord. 6 metres. RZ – 0.6/1 kV cable. Halogen-free. 3x2.5 mm ² cross-section	CR2070 /9 /14 /6	3-pole female-male overhead quick connect connector electrical patch cord. 7 metres. RZ – 0.6/1 kV cable. Halogen-free. 3x2.5 mm ² cross-section

ART. NO.	DESCRIPTION
CR2080 /9 /14 /6	3-pole female-male overhead quick connect connector electrical patch cord. 8 metres. RZ – 0.6/1 kV cable. Halogen-free. 3x2.5 mm ² cross-section

Art.no of quick-connect connectors ended in /6 are not compatible with those in /9 /14 to prevent confusion in installation.

DIVERTERS

ART. NO.	DESCRIPTION
CR7312 /14	3-pole T-branching piece with 1 male input and 2 female outputs

 CONFIGURATION EXAMPLE		QTY.	Art. No. / Finish	DESCRIPTION	
		ENCLOSURE	1	KFC106/14	K45 OFIBLOCK COMPACT for 6 K45 wide mechanisms, graphite
		ELECTRICAL SOCKETS AND PLATES	1	ACFC03/24	Lateral cover for individual 3-pole snap-fit quick-connect connector, grey
			1	CR0002/14	3-pole male snap-fit quick-connect connector, graphite.
			6	KB18/14	K45 wide plate for 2 3-pole snap-fit quick-connect connectors, graphite
12	CR0001/14	3-pole female snap-fit quick-connect connector, graphite.			

Note: This configuration does not include the patch cord in the list of art.nos.



Quick-connect system for power-supply networks

ELECTROBANDA: PRE-WIRED TRUNKING

GREAT ADAPTABILITY

Electrobanda pre-wired trunking is designed for installation in commercial premises, industrial units, shopping centres and warehouses. It is supplied pre-wired with 3 conductors for a maximum current of 20 A 240 V.

TOTAL EASE OF INSTALLATION

Allows the anchoring of mobile electrical sockets with mechanical interlock. By its design, the socket can slide along the trunking, allowing change of position at any time, immediately and without wiring.



INSTALLATION OPTIONS

Wall installation:

Electrobanda trunking has an exclusive aluminium profile for installation on the wall surface, occupying minimum space and providing a perfect finish.

Installation in perimeter aluminium trunking:

The design of Electrobanda trunking allows direct mounting on 65 x 40 mm aluminium mini-trunking, with no need for accessories.



See aluminium
mini-trunking on
page 158

ELECTROBANDA TRUNKING



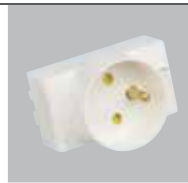
ART. NO.	DESCRIPTION
PE101 /9	Electrobanda trunking, supplied in 25-metre reels

ACCESSORIES

ELECTRICAL SOCKETS FOR ELECTROBANDA TRUNKING



ART. NO.	DESCRIPTION
PEA124 /9	Mobile German socket



ART. NO.	DESCRIPTION
PEA125 /9	Mobile French socket

ACCESSORIES FOR WALL INSTALLATION



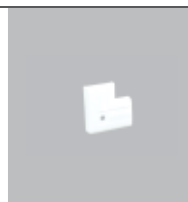
ART. NO.	DESCRIPTION
PEA100 /8	Aluminium profile in 2.5-metre sections



ART. NO.	DESCRIPTION
PEA110 /9	Protective cover for Electrobanda trunking, supplied in 25-metre reels



ART. NO.	DESCRIPTION
PEA120 /9	Electrical connection box (required to provide power supply to the Electrobanda trunking)



ART. NO.	DESCRIPTION
PEA101 /9	Flat angle, 90°



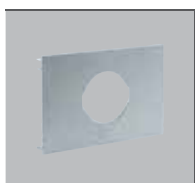
ART. NO.	DESCRIPTION
PEA104 /9	End cover



ART. NO.	DESCRIPTION
PEA106 /9	T-branching

ACCESSORIES FOR INSTALLATION IN ALUMINIUM PERIMETER TRUNKING

FOR 65x40 mm ALUMINIUM MINI-TRUNKING MODEL



ART. NO.	DESCRIPTION
TMA08 /8	65 x 120 mm aluminium plate for Electrobanda German socket



ART. NO.	DESCRIPTION
TMA07 /8	65 x 120 mm aluminium plate for Electrobanda French socket

TOOLS REQUIRED FOR INSTALLING ELECTROBANDA TRUNKING



ART. NO.	DESCRIPTION
PEA131	Angle folding tool



ART. NO.	DESCRIPTION
PEA132	Cable stripper

Simon Structured Cabling

CONNECTION SYSTEM FOR VOICE AND DATA NETWORKS

Telecommunications infrastructure based on a system of cabling, connectors and devices that achieves flexibility in installation and configuration, from several workplaces to large corporate buildings, offering comprehensive power and voice and data solutions.



www.simonelectric.com/simon-cableado-estructurado

Electroblock PDU	198
Patch panels	200
Voice and data connectors	204
Voice and data cabling	206
Voice and data patch cords	208
Voice and data tools	210

QUALITY ASSURANCE

Simon's connection system for data networks is certified by independent external laboratories.

STRENGTH AND SAFETY

The structured cabling ranges are manufactured according to national and international standards to ensure personal safety and the protection of the equipment used and data transmission.

RoHS DIRECTIVE

All the products in Simon's structured cabling ranges meet the European RoHS Directive on manufacturing by using self-extinguishing, halogen-free thermoplastics and metal materials.

SOLUTIONS

For Audio, Video and Multimedia connection:
for projector equipment, audiovisual screens, etc.



Connection system for voice and data networks

STRUCTURED CABLING SYSTEMS

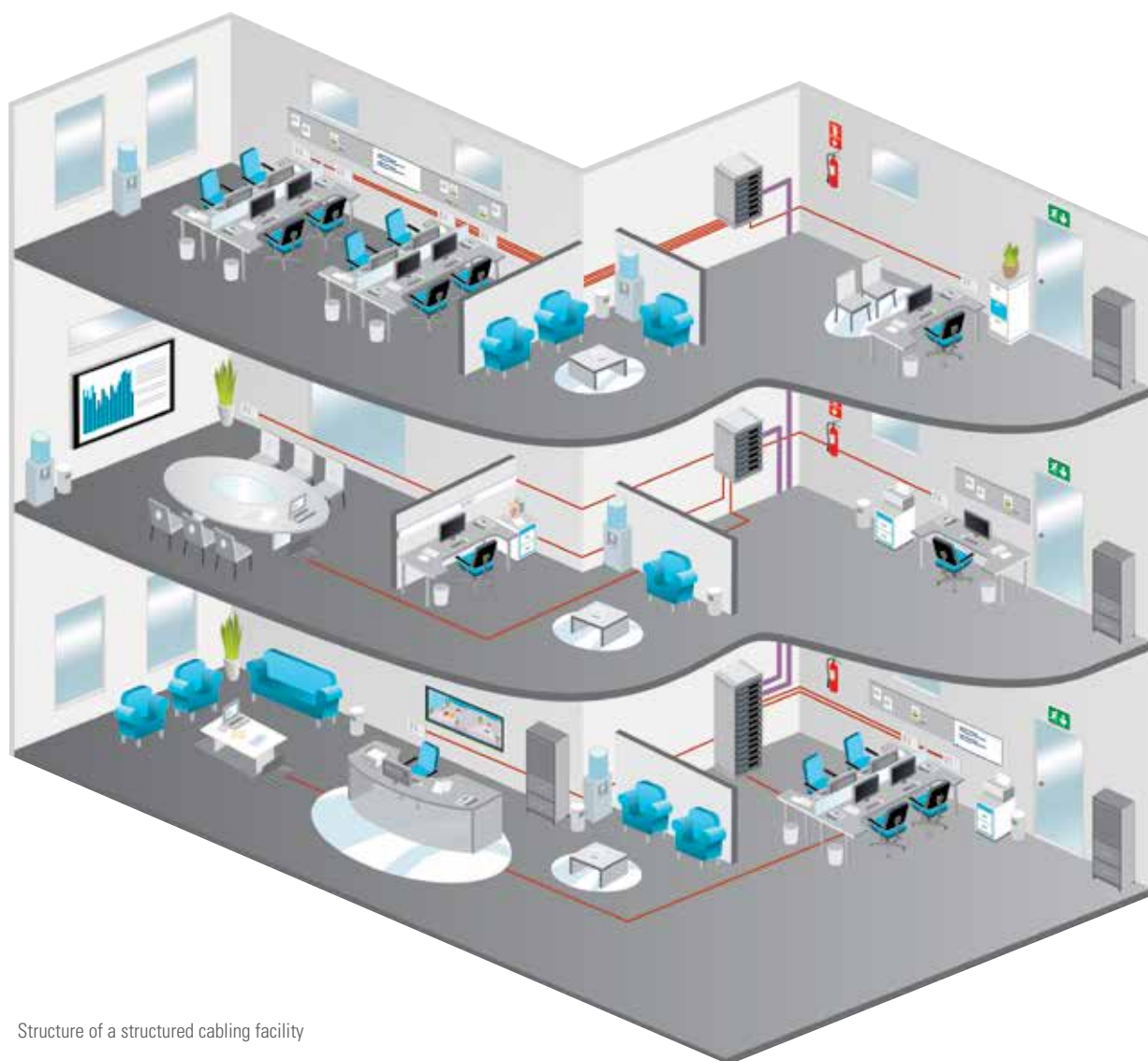
VDM SYSTEM CATEGORY 6A

The structured cabling system is a telecommunications infrastructure in a building based on a system of cabling, connectors and devices, providing configuration flexibility and enabling integration of new technologies.

System installation and features must meet certain standards to be considered structured cabling. Structuring based on a standard enables flexibility and independence from providers and protocols, allowing capacity for growth and ease of administration.

The extent of the cabling, traffic segmentation, the possible occurrence of electromagnetic interference and the possible need to install virtual local networks need to be taken into account during the installation phase.

Full service integration makes it possible to connect any device (computer, phone, printer, etc.) at any location in the building and its location can be modified with a simple configuration change, with no need to redo the installation.



Structure of a structured cabling facility



Connection system for voice and data networks

VOICE, DATA & MULTIMEDIA



Simon offers comprehensive Voice, Data and Multimedia solutions with a wide range of connectors and panels (RJ45, HDMI, USB, VGA, RCA, Mini-Jack, D-SUB15, S-Video, etc.)



HORIZONTAL CABLING

This is the cabling infrastructure that distributes telecommunication signals along each floor. It consists of the distribution point, transmission and the workplace.

Distribution:

The distribution cabinet concentrates 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 Electrobloc power distribution strips to provide them with power.



Transmission:

Signals are carried from the distribution cabinet to the workplace via 4-pair twisted pair cable under raised floors, around the perimeter through trunking or through the ceiling.



Workplace:

The final enclosure includes electrical power supply and Voice and Data signals to serve the workplace. Connection to the terminal equipment (computer, telephone or fax) is made using a Voice and Data patch cord.



VERTICAL CABLING

This is the cabling infrastructure linking the floors of a building. It allows the telecommunications operator's services to be supplied from the access point to each floor.

QUALITY ASSURANCE

Simon's Structured Cabling system carries the guarantee of being certified by independent external laboratories.

CATEGORY OF TRANSMISSION

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

CATEGORY 6A

Provides a bandwidth of 500 MHz, suitable for 10G BASE-T networks.

CATEGORY 6

Provides a bandwidth of 250 MHz.

CATEGORY 5e

With a bandwidth of 100 MHz, this category is suitable for expansion and rehabilitation of buildings.

SHIELDING

UTP: Unshielded Twisted Pair. This consists of cabling, panel and connectors with no protection against electromagnetic interference. It is the most common in office facilities.



FTP: Foiled Twisted Pair. The cabling, panel and connectors include a metal screen that protects them from transmission of electromagnetic interference. Its installation is ideal in critical environments such as hospitals, laboratories, police stations or any other environment where security is especially important.





Connection system for voice and data networks

ELECTROBLOCK: POWER DISTRIBUTION UNITS FOR 19" RACKS

Manufactured using high quality aluminium, the profile has been specially designed to withstand the high temperatures encountered in rack cabinets.

A FINISH FOR EACH APPLICATION

Red version available to identify power lines for UPS.



COMPLETE WITH ALL NECESSARY MATERIAL

The Electroblock power distribution unit is supplied wired internally, with instruction manual and including the brackets for fastening to the rack cabinet.



PROTECTION AND SAFETY AT THE WORKPLACE

The Electroblock power distribution unit version available with MCBs or RCCBs to guarantee protection for the facility, equipment and people.



INTEGRAL POWER SUPPLY TO NETWORK EQUIPMENT

The Electroblock power distribution unit is ready to supply power to any electrical or electronic device housed in the rack cabinet: hubs, switches, repeaters, routers, etc.



POSSIBILITY OF ROTATION AND VERTICAL ANCHORING

The Electroblock power distribution unit's tabs allow it to be fixed in various positions inside the rack so as to optimise the space inside.



1 U. HIGH

The Electroblock power distribution unit measures 1 unit high (44.45 mm) to make optimum use of the space inside the rack and maintain compliance with the IEC 60297 standard.



ELECTROBLOCK WITH 2 METRES OF CABLING

NO SWITCH



ART. NO.		DESCRIPTION	ART. NO.		DESCRIPTION
F1105	/14	With 5 German sockets	F2105	/6 /14	With 5 French sockets
F1106	/6 /14	With 6 German sockets	F2106	/14	With 6 French sockets
F1108	/14	With 8 German sockets	F2108	/14	With 8 French sockets
F1109	/14	With 9 German sockets	F2109	/6 /14	With 9 French sockets

WITH 16 A, 2-POLE, ONE-WAY SWITCH



ART. NO.		DESCRIPTION	ART. NO.		DESCRIPTION
F1115	/14	With 5 German sockets	F2115	/14	With 5 French sockets
F1116	/14	With 6 German sockets	F2116	/14	With 6 French sockets
F1118	/14	With 8 German sockets	F2118	/6 /14	With 8 French sockets

WITH 10 A, CURVE C, 2-POLE MCB



ART. NO.		DESCRIPTION	ART. NO.		DESCRIPTION
F1126	/14	With 6 German sockets	F2136	/14	With 6 German sockets
F2126	/14	With 6 French sockets	F2136	/14	With 6 French sockets

WITH 30 mA RCCB

ART. NO.		DESCRIPTION	ART. NO.		DESCRIPTION
F1136	/14	With 6 German sockets	F2136	/14	With 6 French sockets
F2136	/14	With 6 French sockets			

ELECTROBLOCK WITHOUT CABLING

NO SWITCH



ART. NO.		DESCRIPTION	ART. NO.		DESCRIPTION
F1005	/14	With 5 German sockets	F2005	/14	With 5 French sockets
F1006	/14	With 6 German sockets	F2006	/6 /14	With 6 French sockets
F1008	/14	With 8 German sockets	F2008	/6 /14	With 8 French sockets
F1009	/14	With 9 German sockets	F2009	/14	With 9 French sockets

WITH 16 A, 2-POLE, ONE-WAY SWITCH



ART. NO.		DESCRIPTION	ART. NO.		DESCRIPTION
F1015	/14	With 5 German sockets	F2015	/14	With 5 French sockets
F1016	/14	With 6 German sockets	F2016	/14	With 6 French sockets
F1018	/14	With 8 German sockets	F2018	/14	With 8 French sockets

WITH 10 A, CURVE C, 2-POLE MCB



ART. NO.		DESCRIPTION	ART. NO.		DESCRIPTION
F1026	/14	With 6 German sockets	F1036	/14	With 6 German sockets
F2026	/14	With 6 French sockets	F2036	/14	With 6 French sockets

Other configuration and finish options on request.

Connection system for voice and data networks



Offices



Laboratories



Health centres



Police stations

PATCH PANELS: RJ45 CONNECTIONS



HIGH SPEED INSTALLATION

The design of the integrated panels allows total ease of installation in the cable crimp sequence. The panel is supplied with rings to speed cable fastening using cable ties.



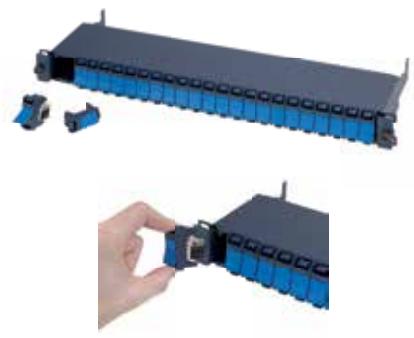
COMPLETE WITH ALL NECESSARY MATERIAL

All panels are supplied with installation manual, fastening cable ties and fastening screws. The FTP version also includes shielding, point and earth connection cable.



MODULAR UTP/FTP PATCH PANELS

Offering connection flexibility in line with current and future needs. Ease of installation and configuration.



CABLE MANAGER

Easing cable installation. Provides an excellent assembly finish. Adapts to 19" rack cabinets.



VARIETY OF PATCH PANELS FROM WHICH TO CHOOSE TO MEET NEEDS: NORMAL OR ARMoured, INTEGRATED OR MODULAR

UTP PATCH PANEL

Designed for environments where there are no high electromagnetic interferences (offices).



FTP PATCH PANEL

Designed for environments requiring greater security or where there is a high level of electromagnetic interference (hospitals, laboratories, police stations, etc.).



SEQUENCE FOR CONNECTING VOICE & DATA CABLES TO THE PATCH PANEL

1/ Prepare the cable, untwisting pairs to the minimum. Follow the colour code indicated on the panel.



2/ Insert the pairs with the CH100 tool.



3/ The tool cuts the cable insulation during the insertion operation.



Click!

4/ Fix the cable to the patch panel or to the frame-holder of the cabinet rack.



Further information on Voice and Data Tools on page 200.



INTEGRATED PATCH PANELS



24-port patch panel, 1U height, for assembly in 19" rack cabinets.
IDC 110 contacts for insertion with tool (Art. No. CH100)

ART. NO.	DESCRIPTION
----------	-------------

CP624F	Integrated patch panel with 24 RJ45 connectors Category 6 FTP
---------------	---

CP524F	Integrated patch panel with 24 RJ45 connectors Category 5e FTP
---------------	--



ART. NO.	DESCRIPTION
----------	-------------

CP624U	Integrated patch panel with 24 RJ45 connectors Category 6 UTP
---------------	---

CP524U	Integrated patch panel with 24 RJ45 connectors Category 5e UTP
---------------	--

MODULAR PATCH PANELS



24-port patch panel, 1U height, for assembly in 19" rack cabinets.
IDC 110 contacts for insertion with tool (Art. No. CH100)

ART. NO.	DESCRIPTION
----------	-------------

CP56A24F	Modular patch panel for 24 RJ45 connectors Category 5e / Category 6 / Category 6A FTP
-----------------	---



ART. NO.	DESCRIPTION
----------	-------------

CP5624U	Modular patch panel for 24 RJ45 connectors Category 5e / Category 6 UTP
----------------	---

CABLE MANAGER



ART. NO.	DESCRIPTION
----------	-------------

CP0001	Cable manager for 19" rack cabinets
---------------	-------------------------------------

INSERTION TOOL



ART. NO.	DESCRIPTION
----------	-------------

CH100	IDC 110 insertion and cutting tool for voice and data patch panels and connectors (tool includes insertion and cutting blade)
--------------	---





Connection system for voice and data networks

RJ45 CONNECTORS: HIGH SPEED VOICE AND DATA



MINIMUM WIDTH CONNECTORS



The slimline design of Simon connectors allows maximum connection density.

Minimum width connectors

PACKAGING

Each connector is supplied individually packaged with an easy-open system.



360° SHIELDING

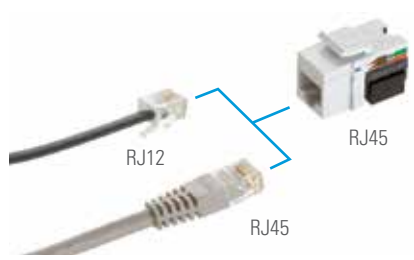


RJ45 FTP connectors offer complete shielding thanks to the metallic shield that covers the entire connector, protecting communications from external interference.



SAME CONNECTOR COMPATIBLE WITH SEVERAL TYPES OF PATCH CORD

Voice patch cords based on RJ11 and RJ12 connectors adapt perfectly to female RJ45 connectors.



SEQUENCE FOR CRIMPING VOICE & DATA CABLE IN AN RJ45 CONNECTOR



1/ Prepare the cable, untwisting the 4 pairs to the minimum



2/ Insert the 4 pairs with the CH100 tool



3/ The tool cuts the cable insulation during the insertion operation



4/ Place the pair retainer cover

See connection diagram on page 286. Further information on Voice and Data Tools on page 200

RJ45 VOICE AND DATA CONNECTORS



Female RJ45 UTP and FTP connectors with IDC 110 contacts for insertion of pairs with tool (Art. No. CH100) Assembly in Simon Voice and Data plates.

ART. NO.	DESCRIPTION
CJ6A45F	Category 6A FTP
CJ645FM	Category 6 FTP
CJ545FM	Category 5e FTP



ART. NO.	DESCRIPTION
CJ645U	Category 6 UTP
CJ545U	Category 5e UTP

INSERTION TOOL



ART. NO.	DESCRIPTION
CH100	IDC 110 insertion and cutting tool for voice and data patch panels and connectors Including insertion and cutting blade

i
Voice and Data plates with Simon connectors included



INSTALL THEM IN SIMON SERIES

Simon RJ45 connectors are fully compatible with Mechanism Collection voice and data plates.

FOR 1 CONNECTOR

FOR 2 CONNECTORS

	FOR 1 CONNECTOR		FOR 2 CONNECTORS	
	Angled	Flat	Angled	Flat
Simon 27 Play	27081-35 ⊕ 1 x 75001-39	27087-35	27086-35 ⊕ 2 x 75001-39	27486-35
Simon 73 Loft	73085-60	-	73086-60 ⊕ 2 x 75001-39	-
Simon 75	75578-30 ⊕ 1 x 75001-39	75585-60	75579-30 ⊕ 2 x 75001-39	75589-60
Simon 82	82578-30 ⊕ 1 x 75001-39	82005-30	82579-30 ⊕ 2 x 75001-39	

Angled plates for 2 x RJ45 connectors do not support FTP type



Connection system for voice and data networks

VOICE AND DATA CABLING: INFORMATION HIGHWAYS



CABLE OUTLET WITH RETAINER

The package includes a retainer to prevent cabling from sliding within the reel.







EASY IDENTIFICATION

The internal marking of the pairs prevents identification errors.



Sheath colour quickly identifies the type of cable:

-  **CB531U (RAL7001)**
Categories 5e UTP LSZH Sheath (RAL4005)
-  **CB530U (RAL4005)**
Categories 5e UTP PVC Sheath (RAL7001)
-  **CB630U (RAL6027)**
Categories 6 UTP LSZH Sheath (RAL6027)
- 

Cable marked by metre to measure length easily, with no need of tools.



FLEXIBLE

The cable sheath is flexible to give the best bending radius and facilitate sliding on any surface.



HIGH STRENGTH AND QUALITY PACKAGING

Hanks of 305 metres are supplied in high quality, durable stapled boxes to ensure product stability throughout cable storage, transport and handling phases on site. The packaging is recyclable, manufactured using chlorine-free cardboard and includes an ergonomic handle for easy transport. It also includes a label identifying the type of cable to avoid errors in selection.



REGULATIONS

Product designed and manufactured according to the following standards:

- EN 50173-1 Cabling Standard Information Technology / TIA / EIA 568 A/B Commercial Building Telecommunications Cabling Standard / ISO/ IEC 11801 Standard Cabling, Generic Cabling for Customer Premises.
- RoHS Directive compliant and environmentally friendly.
- Category 6A complies with the following standard: TIA/ EIA-568-B.2-10 Augmented Category 6 and ISO 11801 Edition 2.1. Class EA specifications. Defined up to 500 MHz.

RJ45 VOICE & DATA CABLING WITH PVC SHEATH

ART. NO.	DESCRIPTION
CB531U	Voice and Data cable Cat. 5e UTP (PVC) in 305 m box

RJ45 VOICE & DATA CABLING WITH LSZH SHEATH (halogen-free)

ART. NO.	DESCRIPTION
CB6A50FD	Voice and Data cable, Cat. 6A FTP LSZH (halogen-free) in 500 m reel
CB650FD	Voice and Data cable, Cat. 6 FTP LSZH (halogen-free) in 500 m reel
CB530F	Voice and Data cable, Cat. 5e FTP LSZH (halogen-free) in 305 m box

ART. NO.	DESCRIPTION
CB630U	Voice and Data cable, Cat. 6 FTP LSZH (halogen-free) in 305 m box

ART. NO.	DESCRIPTION
CB530U	Voice and Data cable, Cat. 5e FTP LSZH (halogen-free) in 305 m box

<p>EXAMPLES OF CABLE LENGTH REQUIRED IN A FACILITY</p>	<p>According to regulations, one workplace comprising 2 RJ45 connectors must be installed for every 10 m². On average, a cable length of 50 metres is estimated for each RJ45 socket; this distance is set during installation depending on the layout of the building and exact location of the rack cabinet. As an example, guideline values are shown below:</p>								
	<table border="1"> <tbody> <tr> <td>- For 12 workplaces</td> <td>1200 metres or 3 305 m boxes of cable</td> </tr> <tr> <td>- For 24 workplaces</td> <td>2400 metres or 6 305 m boxes of cable</td> </tr> <tr> <td>- For 36 workplaces</td> <td>3600 metres or 9 305 m boxes of cable</td> </tr> <tr> <td>- For 48 workplaces</td> <td>4800 metres or 12 305 m boxes of cable</td> </tr> </tbody> </table>	- For 12 workplaces	1200 metres or 3 305 m boxes of cable	- For 24 workplaces	2400 metres or 6 305 m boxes of cable	- For 36 workplaces	3600 metres or 9 305 m boxes of cable	- For 48 workplaces	4800 metres or 12 305 m boxes of cable
	- For 12 workplaces	1200 metres or 3 305 m boxes of cable							
	- For 24 workplaces	2400 metres or 6 305 m boxes of cable							
	- For 36 workplaces	3600 metres or 9 305 m boxes of cable							
- For 48 workplaces	4800 metres or 12 305 m boxes of cable								

PROTECTIVE SHEATH CUTTING SEQUENCE

- 1/ Tool adjustment according to the type of cabling (UTP, FTP category, coaxial, etc.)
- 2/ Place the cable in the tool.
- 3/ **Rotate the tool through 360°.** During the operation, the blade only cuts the cable sheath.
- 4/ Stretch out the sheath in the area where the cut was made to remove the section of the cut sheath.

Further information on Voice and Data Tools on page 200



Connection system for voice and data networks

VOICE AND DATA PATCH CORDS: THE BEST LINK



HIGH CONNECTION DENSITY

The small size of the patch cords facilitates greater connection density in cabinets.



- Manufactured using flexible cable and certified one by one.
- Enabling patch connections in the rack cabinet and between branching boxes and user equipment.

INDIVIDUAL PACKAGING



Packaging, during storage and until connection is made, prevents any foreign particles from becoming lodged in the connector contacts and causing errors or speed reduction during data transmission.

RJ45 VOICE AND DATA PATCH CORDS



ART. NO.	DESCRIPTION
CL6A0F	RJ45-RJ45 Patch cord Cat. 6A FTP 0.5 metres
CL6A1F	RJ45-RJ45 Patch cord Cat. 6A FTP 1 metre
CL6A2F	RJ45-RJ45 Patch cord Cat. 6A FTP 2 metres
CL6A3F	RJ45-RJ45 Patch cord Cat. 6A FTP 3 metres
CL6A5F	RJ45-RJ45 Patch cord Cat. 6A FTP 5 metres
CL60F	RJ45-RJ45 Patch cord Cat. 6 FTP 0.5 metres
CL61F	RJ45-RJ45 Patch cord Cat. 6 FTP 1 metre
CL62F	RJ45-RJ45 Patch cord Cat. 6 FTP 2 metres
CL63F	RJ45-RJ45 Patch cord Cat. 6 FTP 3 metres
CL65F	RJ45-RJ45 Patch cord Cat. 6 FTP 5 metres
CL50F	RJ45-RJ45 Patch cord Cat. 5e FTP 0.5 metres
CL51F	RJ45-RJ45 Patch cord Cat. 5e FTP 1 metres
CL52F	RJ45-RJ45 Patch cord Cat. 5e FTP 2 metres
CL53F	RJ45-RJ45 Patch cord Cat. 5e FTP 3 metres
CL55F	RJ45-RJ45 Patch cord Cat. 5e FTP 5 metres



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



Connection system for voice and data networks



PROFESSIONAL TOOLS


Simon presents professional quality tools for Structured Cabling installation.


The range consists of insertion tool, crimping tool, cable stripping tool, precision pliers and spare parts.


The versatility of design in the cable stripping tool and precision cutting pliers, also allows them to be used in installing other types of connections, such as in multimedia and telecommunications connections.


The crimping tool is suitable for any type of RJ format connector: RJ45, RJ12 and RJ11.


TOOLS FOR STRUCTURED CABLING



ART. NO.	DESCRIPTION
 CH100	Professional IDC110 insertion and cutting tool for Voice & Data patch panels and RJ45 connectors

ART. NO.	DESCRIPTION
 CH101	Spare IDC110 insertion and cutting blade for CH100 cutting tool

ART. NO.	DESCRIPTION
 CH104	Professional tool for crimping 4-pin, 6-pin or 8-pin RJ connectors (RJ45).

ART. NO.	DESCRIPTION
 CH106	Cable stripper for UTP/STP twisted pairs and coaxial aerial cable.

ART. NO.	DESCRIPTION
 CH108	Precision pliers for cable cutting.

 INSERTION AND CUTTING TOOL		<ol style="list-style-type: none"> 1. Supports spare CH101 blade 2. Hook for lifting and removing cables 3. Allows adjustment of impact force 4. Ergonomic (adapts to the shape of the hand)* 5. Inserts and cuts the cables in a single step
--	---	--

SEQUENCE FOR CRIMPING MALE RJ CONNECTORS


1/ Prepare the connector
See connection diagram on page 286



2/ Place the connector in the tool



3/ Crimp to complete the connection



500 Cima technical information

Plastic parts manufactured using halogen-free, self-extinguishing thermoplastic materials, guaranteeing no flame spread in case of fire and low toxicity in the event of smoke generation.



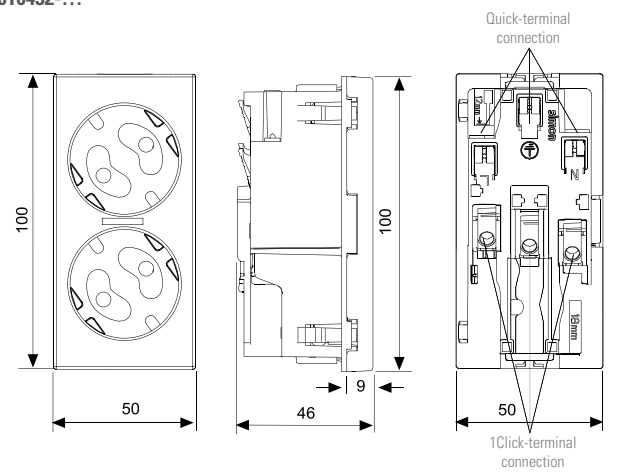
ELECTRICAL SOCKETS

- The German socket with screw-terminal connection complies with UNE 20315 standard
- The German socket with 1Click-terminal connection complies with the EN60998-2-3 standard
- The French socket complies with the NF-C-61314 standard
- 1.5 to 2.5 mm² wiring for all the various types of terminal connection
- Products designed to standard UNE-20315 (German sockets) or NF-C 61314 (French sockets)
- Electrical features: 16 A/250 V
- IP protection degree: 20
- LED indicator consumption: 0.55 mA

GERMAN SOCKET WITH 1CLICK-TERMINAL CONNECTION WITH INDICATOR LIGHT

REFERENCE

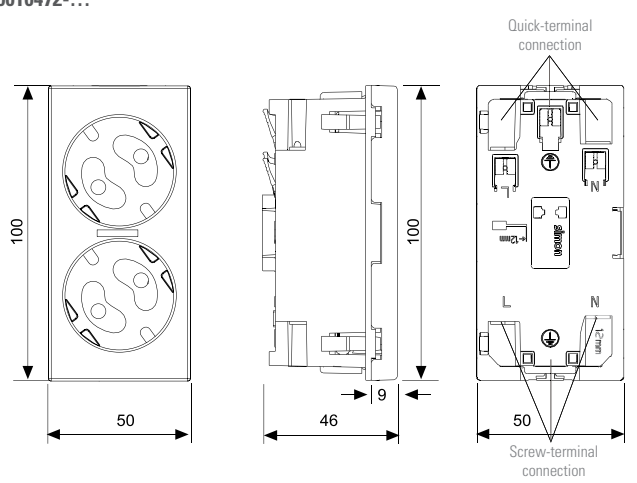
50010432-...



GERMAN SOCKET WITH SCREW-TERMINAL CONNECTION AND INDICATOR LIGHT

REFERENCE

50010472-...

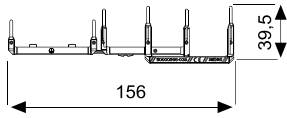




SOCKET LINKER

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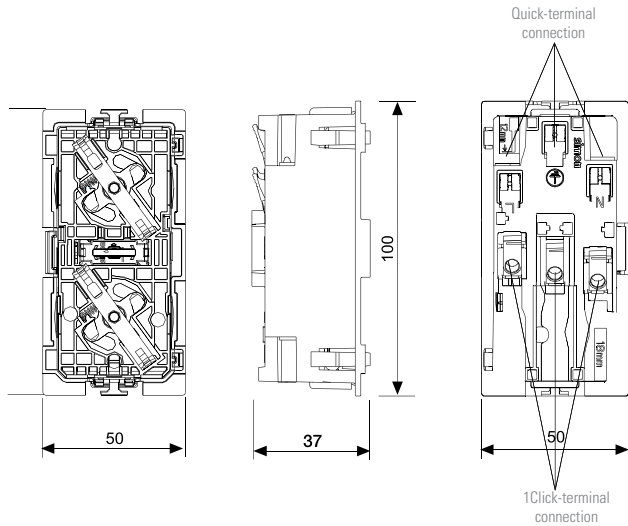
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GERMAN SOCKET MECHANISM WITH 1CLICK-TERMINAL CONNECTION

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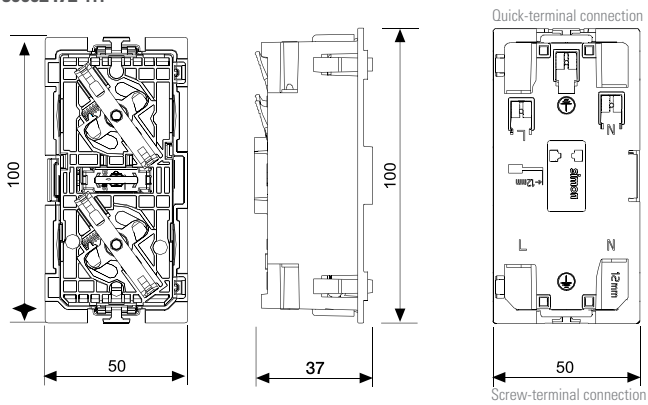
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GERMAN SOCKET MECHANISM WITH SCREW-TERMINAL CONNECTION

REFERENCE

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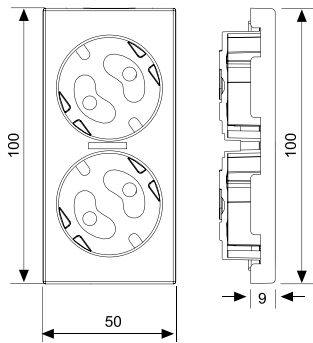
Dimensions in mm



GERMAN SOCKET COVERS WITH INDICATOR LIGHT VIEWER

ART. NO.

50011041-... / 50011841-...

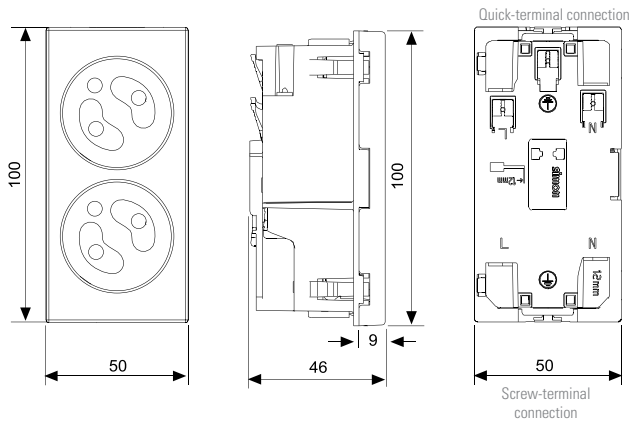


FRENCH SOCKET WITH SCREW-TERMINAL CONNECTION WITH NO INDICATOR LIGHT

ART. NO.

50000458-...

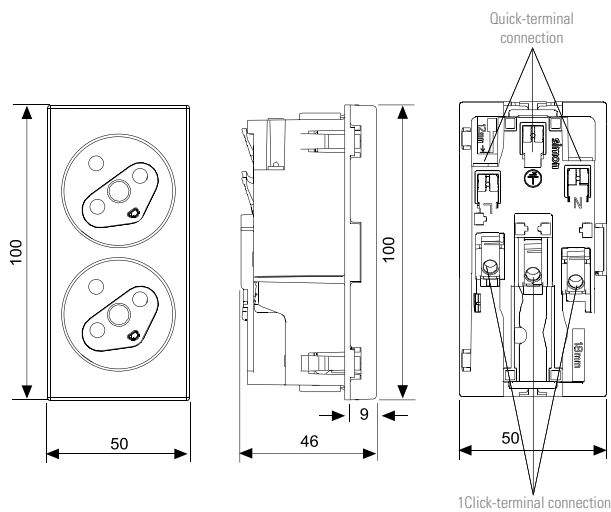
Products designed according to the NF-C-61314 standard



FRENCH SOCKET WITH 1CLICK-TERMINAL CONNECTION, WITH NO INDICATOR LIGHT, WITH PIN FOR UNLOCKING SAFETY SHUTTER

REFERENCE

50000469-...

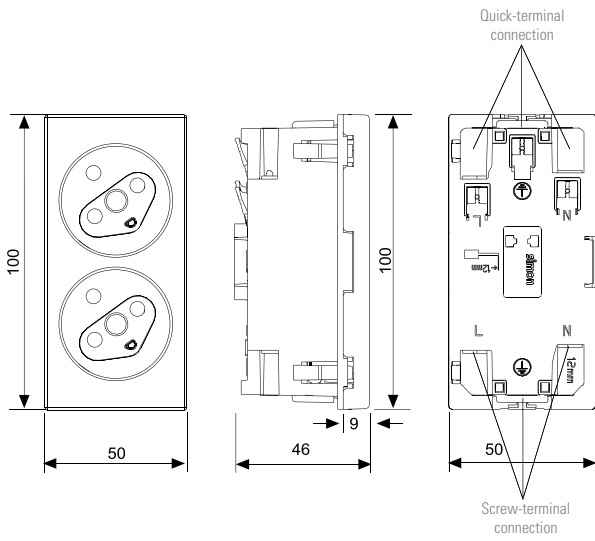




FRENCH SOCKET WITH SCREW-TERMINAL CONNECTION, NO INDICATOR LIGHT AND PIN FOR UNLOCKING SAFETY SHUTTER

REFERENCE

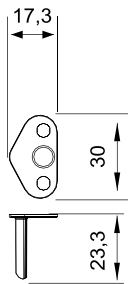
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SAFETY SHUTTER UNLOCKING PIN

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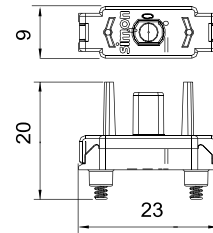
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SPARE LED INDICATOR LIGHT

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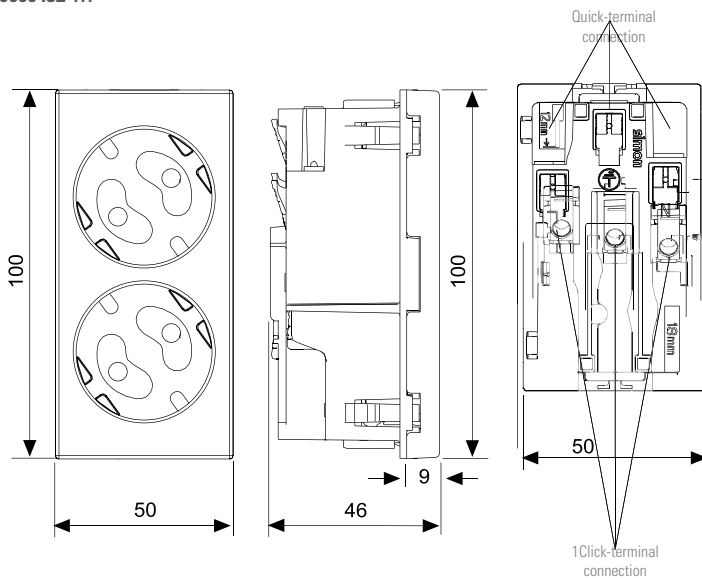
50000802-039



GERMAN SOCKET WITH 1CLICK-TERMINAL CONNECTION WITH NO INDICATOR LIGHT

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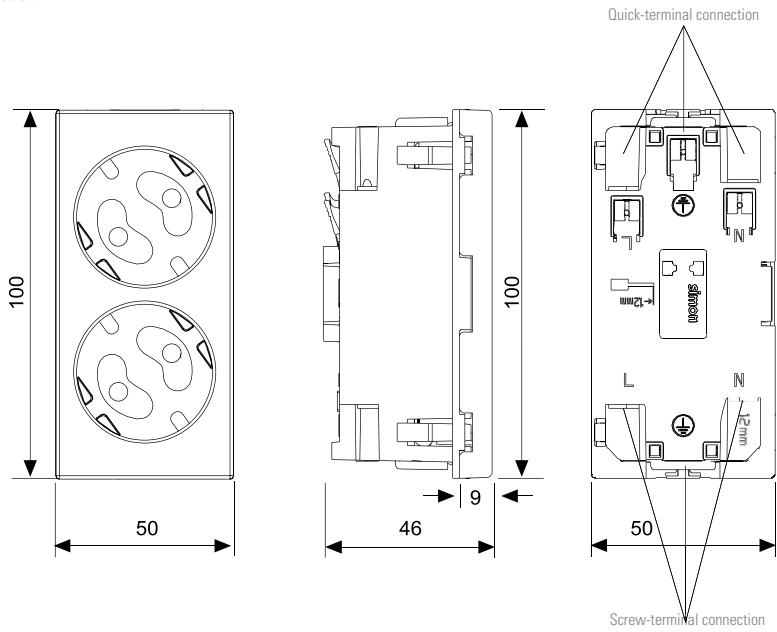
Dimensions in mm



GERMAN SOCKET WITH SCREW-TERMINAL CONNECTION AND NO INDICATOR LIGHT

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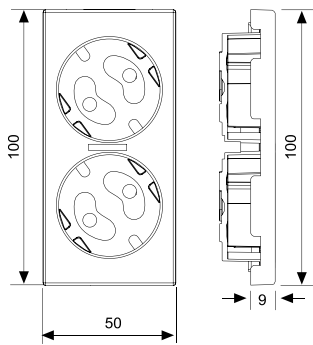
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GERMAN SOCKET COVERS WITH NO INDICATOR LIGHT VIEWER

ART. NO.

500001041-.../50001841-...



PROTECTION

ART. NO.

50010074-...

ART. NO.

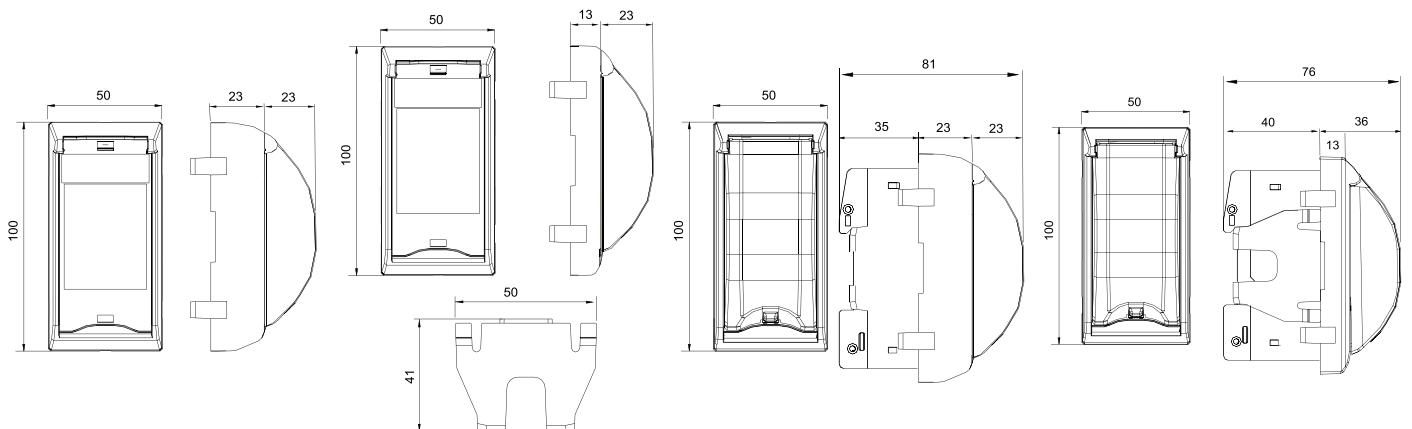
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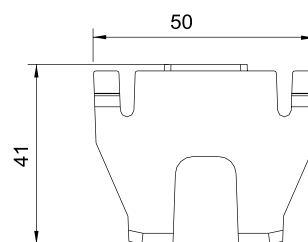
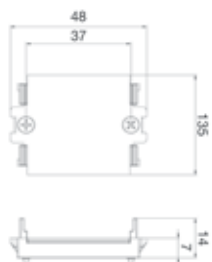
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SPARE PARTS

ART. NO.

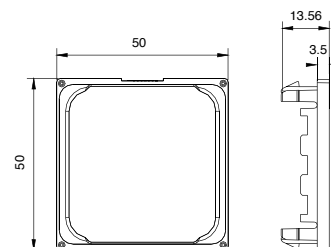
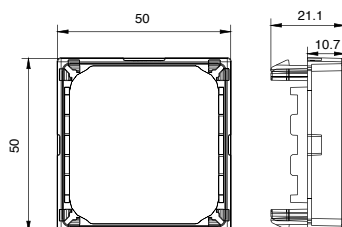
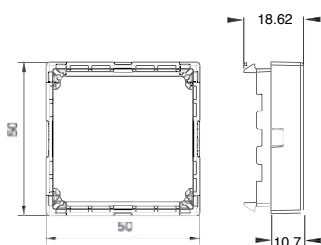
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ADAPTER PLATES TO Simon K45 and Simon 27

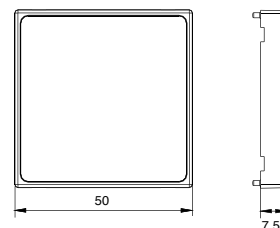
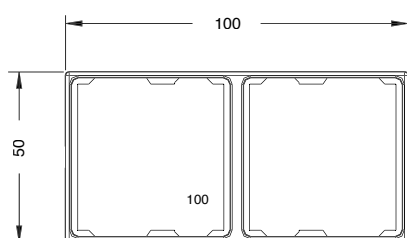
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ART. NO.

REFERENCE

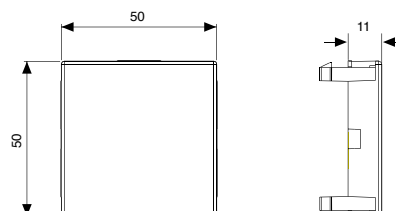
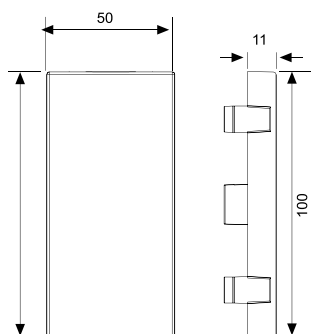
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K45**
**50010088-...
S27**
**50011088-...
S27**


REFERENCE

**50000088-...
S27**

BLIND PLATES

ART. NO.

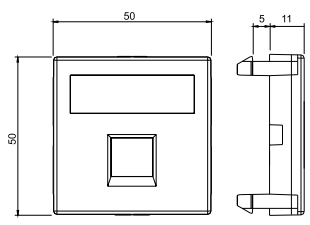
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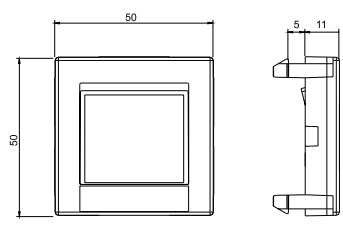


VOICE AND DATA PLATES

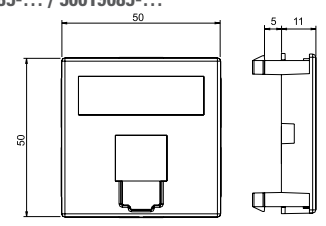
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50003185-... / 50004185-... / 50011185-... /
50015185-... / 50018185-... / 50019185-...



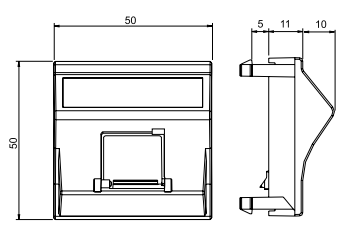
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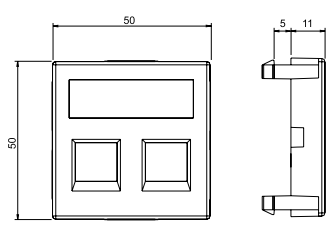
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50018085-... / 50019085-...



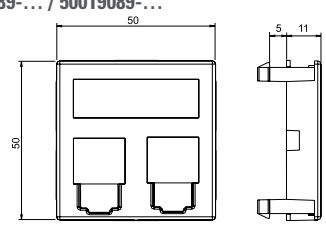
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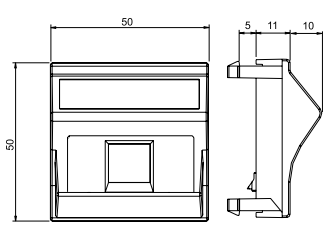
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50015189-... / 50018189-... / 50019189-...



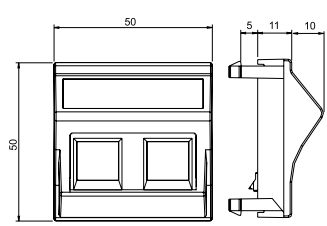
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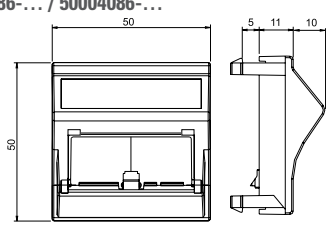
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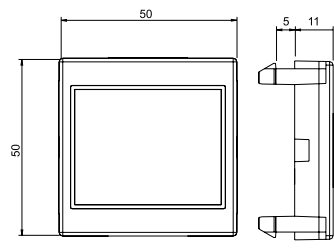
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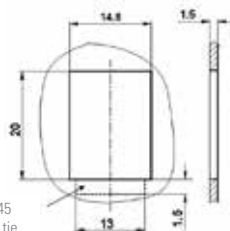
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VDM SYSTEM CAT.6A

RJ45 CONNECTORS

KEYSTONE FASTENING

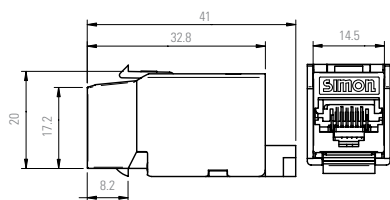


Area to fasten the RJ45 connector with a cable tie

DIMENSIONS

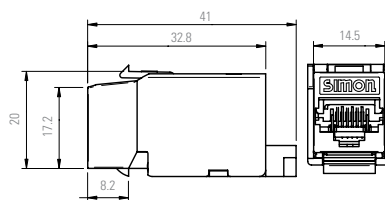
ART. NO.

CJ6A45F
CAT.6A FTP



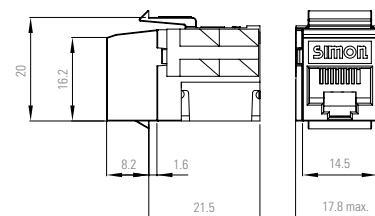
ART. NO.

CJ545FM and CJ565FM
CAT.5e FTP and 6 FTP



ART. NO.

CJ545U and CJ645U
CAT.5e UTP and 6 UTP





	CJ6A45F CAT 6A FTP	CJ645FM CAT 6 FTP	CJ545FM CAT 5 FTP	CJ645U CAT 6 UTP	CJ545U CAT 5 UTP
Materials					
All components in plastic	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0
Shielding	360°	360°	360°	NO	NO
Metallic shield	Zinc Alloy (Zamak)	Nickel-plated brass	Nickel-plated brass	--	--
Contacts	50 µin gold-plated	50 µin gold-plated	50 µin gold-plated	50 µin gold-plated	50 µin gold-plated
IDC 110 connectors	50 µin gold-plated	50 µin gold-plated	50 µin gold-plated	100 µin tinned	100 µin tinned
Electrical Features					
Constriction resistance	<2.5 mW	<2.5 mW	<2.5 mW	--	--
Contact resistance	--	--	--	--	--
Insulation resistance	>1000 MW	>1000 MW	>1000 MW	>500 MW	>500 MW
Dielectric strength	>1000 V dc	>1000 V dc	>1000 V dc	>1000 V dc	>1000 V dc
Rated Idc per conductor at 20 °C	--	--	--	1.5 A	1.5 A
Rated Idc per conductor at 60 °C	--	--	--	0.75 A	0.75 A
Complies with "Power over Ethernet" (PoE+) requirements	--	--	--	--	YES
Standards					
	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801
	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2
	EN 50173	EN 50173	EN 50173	EN 50173	EN 50173
Mechanical Features					
Cable Connection	Without tools	IDC110	IDC110	IDC110	IDC110
Cable accepted	AWG 24 to 22	AWG 24 to 22	AWG 24 to 22	AWG 26 to 22	AWG 26 to 22
Mechanical connection life	>1000 operations	>1000 operations	>1000 operations	--	--
Connector snap fit (fastening)	>200 operations	>200 operations	>200 operations	--	--



VOICE AND DATA CABLES

Art. No.	Art. No. Data					
	CB6A50FD	CB630F	CB650FD	CB651FD	CB630U	CB631U
Cable type	6A F/UTP	6 F/UTP	6 F/UTP	6 F/UTP	6 U/UTP	6 U/UTP
Construction						
Sheath material	LSZH	LSZH	LSZH	PVC	LSZH	PVC
Conductor Ø mm	AWG 23	AWG 23	AWG 23	AWG 23	AWG 23	0.57 AWG 23
Insulation Ø mm	1.45 PE	1.35 PE	1.35 PE	1.35 PE	1.00 PE	1.00
Tape screen	Al foil/plastic + continuity wire	Al foil/plastic + continuity wire	Al foil/plastic + continuity wire	Al foil/plastic + continuity wire	--	--
Cable Ø mm	7.5	6.50	6.50	6.50	6.20	6.20
Weight kg/km	52.00	44.00	44.00	41.00	40.00	39.00
Electrical Characteristics						
Loop resistance	≤ 147 W/km	≤ 176 W/km	≤ 176 W/km	≤ 176 W/km	< 176 W/km	< 176 W/km
Resistance imbalance, maximum	≤ 2%	≤ 2%	≤ 2%	≤ 2%	≤ 2%	≤ 2%
Dielectric strength (DC, 1 min.)	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V
Insulation resistance (500 V)	≥ 5000 MW.km	≥ 2000 MW.km	≥ 2000 MW.km	≥ 2000 MW.km	≥ 5000 MW.km	≥ 5000 MW.km
Mutual capacitance, rated (800 Hz)	--	43 nF/km	43 nF/km	43 nF/km	48 nF/km	48 nF/km
Capacitance imbalance, max.	1600 pF/km	1500 pF/km	1500 pF/km	1500 pF/km	1500 pF/km	1500 pF/km
Average characteristic impedance (1 - 100 MHz)	100 ± 5 W (1 - 100 MHz)	100 ± 15 W	100 ± 15 W	100 ± 15 W	100 ± 15 W	100 ± 15 W
Average characteristic impedance (100 - 250 MHz)	--	100 ± 18 W	100 ± 18 W	100 ± 18 W	100 ± 22 W	100 ± 22 W
Rated propagation speed	78%ca	79%ca	79%ca	79%ca	67%ca	67%ca
Propagation delay	--	≤ 427 ns/100 m	≤ 427 ns/100 m	≤ 427 ns/100 m	≤ 535 ns/100 m	≤ 535 ns/100 m
Group delay, maximum at 100 MHz	--	≤ 12 ns/100 m	≤ 12 ns/100 m	≤ 12 ns/100 m	≤ 20 ns/100 m	≤ 20 ns/100 m
Minimum bending radius						
· Fixed	≥ 35 mm	≥ 35 mm	≥ 35 mm	≥ 35 mm	4 x D	4 x D
· Installation	≥ 70 mm	≥ 70 mm	≥ 70 mm	≥ 70 mm	8 x D	8 x D
Tensile Strength:						
· Fixed	--	--	--	--	--	--
· Installation	78 N	100 N	100 N	100 N	100 N	100 N
Temperature Range:						
· Operating	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C
· Installation	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C
Fire Standards:						
· No flame propagation	IEC 60332-1	IEC 60332-1	IEC 60332-1	IEC 60332-1	IEC 60332-1	IEC 60332-1
· Halogen-free	IEC 60754-2	IEC 60754-2	IEC 60754-2	--	IEC 60754-2	--
· Low smoke emission and density	IEC 61034	IEC 61034	IEC 61034	--	IEC 61034	--
Standards						
	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801
	IEC 61156	IEC 61156	IEC 61156	IEC 61156	IEC 61156	IEC 61156
	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2
	EN 50173	EN 50173	EN 50173	EN 50173	EN 50173	EN 50173
Packaging Format	Reel	Box	Reel	Reel	Box	Box
	500 m	305 m	500 m	500 m	305 m	305 m

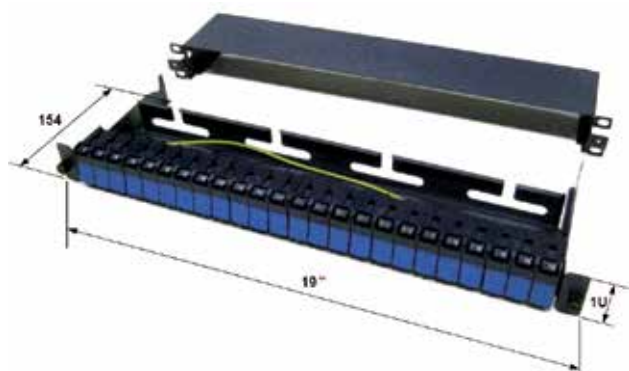


Reference	Reference Data				
	CB530F	CB550FD	CB531F	CB530U	CB531U
Cable type	5e F/UTP	5e F/UTP	5e F/UTP	5 U/UTP	5e U/UTP
Construction					
Sheath material	LSZH	LSZH	PVC	LSZH	PVC
Conductor Ø mm	AWG 24	AWG 24	AWG 24	AWG 24	AWG 24
Insulation Ø mm	1.10 PE	1.10 PE	1.10 PE	0.90 PE	0.90 PE
Tape screen	Al foil/plastic + continuity wire	Al foil/plastic + continuity wire	Al foil/plastic + continuity wire	--	--
Cable Ø mm	5.90	5.90	5.90	5.00	5.00
Weight kg/km	37.00	37.00	36.00	36.00	35.00
Electrical Characteristics					
Loop resistance	190 W/km	190 W/km	190 W/km	190 W/km	190 W/km
Resistance imbalance, maximum	≤ 2%	≤ 2%	≤ 2%	≤ 2%	≤ 2%
Dielectric strength (DC, 1 min.)	1000 V	1000 V	1000 V		
Insulation resistance (500 V)	≥ 2000 MW.km	≥ 2000 MW.km	≥ 2000 MW.km	≥ 2000 MW.km	≥ 2000 MW.km
Mutual capacitance, rated (800 Hz)	48 nF/km	48 nF/km	48 nF/km	48 nF/km	48 nF/km
Capacitance imbalance, maximum	1500 pF/km	1500 pF/km	1500 pF/km	1500 pF/km	1500 pF/km
Average characteristic impedance (1 - 100 MHz)	100 ± 15 W	100 ± 15 W	100 ± 15 W	100 ± 15 W	100 ± 15 W
Average characteristic impedance (100 - 250 MHz)	--	--	--	--	--
Rated propagation speed	67%ca	67%ca	67%ca	67%ca	67%ca
Propagation delay	≤ 535 ns/100 m	≤ 535 ns/100 m	≤ 535 ns/100 m	≤ 535 ns/100 m	≤ 535 ns/100 m
Group delay, maximum at 100 MHz	≤ 20 ns/100 m	≤ 20 ns/100 m	≤ 20 ns/100 m	≤ 20 ns/100 m	≤ 20 ns/100 m
Minimum bending radius					
- Fixed	≥ 25 mm	≥ 25 mm	≥ 25 mm	4 x D	4 x D
- Installation	≥ 50 mm	≥ 50 mm	≥ 50 mm	8 x D	8 x D
Tensile Strength:					
- Fixed	--	--	--	--	--
- Installation	80 N	80 N	80 N	100 N	100 N
Temperature Range:					
- Operating	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C
- Installation	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C	0 °C to +50 °C
Fire Standards:					
- No flame propagation	IEC 60332-1	IEC 60332-1	IEC 60332-1	IEC 60332-1	IEC 60332-1
- Halogen-free	IEC 60754-2	IEC 60754-2	--	IEC 60754-2	--
- Low smoke emission and density	IEC 61034	IEC 61034	--	IEC 61034	--
Standards					
	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801	ISO/IEC 11801
	IEC 61156	IEC 61156	IEC 61156	IEC 61156	IEC 61156
	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2
	EN 50173	EN 50173	EN 50173	EN 50173	EN 50173
Packaging Format					
	Box	Reel	Box	Box	Box
	305 m	500 m	305 m	305 m	305 m



PATCH PANELS

	CP56A24F 19" MODULAR PANEL, 1U, 24 PORTS RJ45 Cat. 5e, 6 and 6A FTP (screened)	CP5624U Modular panel, 24 ports for 19" 1U communications racks
Materials		
All components in plastic	UL94 V-0	UL94 V-0
Chassis	Steel painted in cobalt blue	Steel painted in cobalt blue
Connector shielding earth contact	Nickel-plated steel	NO
Mechanical Features		
"Keystone fastening Simon compatible connectors"	"CJ545FM – Cat 5e FTP CJ645FM – Cat 6 FTP CJ6A45F – Cat 6A FTP"	"CJ545U – Cat 5e UTP CJ645U – Cat 6 UTP"
Individual connector installation and replacement by means of fixture module removable from the front	YES	YES
Individual, removable dust shutters	YES	YES
Space for port labelling	YES	YES
Cable manager included in the separator	YES	YES
Automatic earth connection of connector when mounted in patch panel	YES	NO
Complete with:		
Earthing cable	YES	NO
Nuts and bolts	YES	YES
Identification labels	YES	YES
Standards		
	ISO/IEC 11801	ISO/IEC 11801
	ANSI/TIA-568 C.2	ANSI/TIA-568 C.2
	EN 50173	EN 50173



MANAGER

	CP0001 Cable manager, 19" 1U
Materials	
All components in plastic	UL94 V-0
Chassis	Steel painted in cobalt blue
Complete with:	
Nuts and bolts	YES
Dimensions	19" x 1U x 82



Dimensions in mm

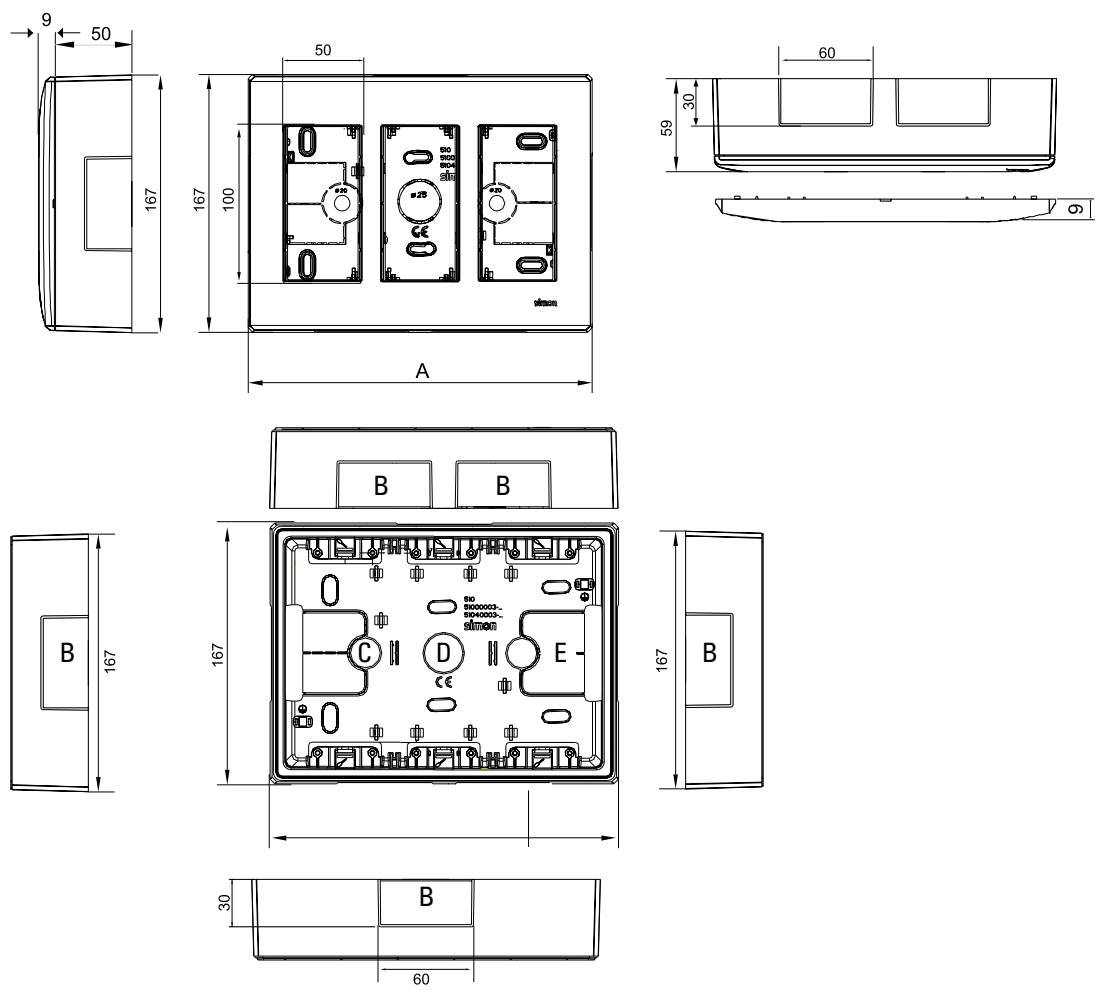


SURFACE-MOUNT WALL BOXES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN 60670-1 standard.
- RoHS Directive 2011/65/EU
- Product with CE marking **CE**
- Impact resistance degree: IK07
- Temperature range during installation: -5° to + 60°
- IP protection degree: 4X
- Maximum temperature during construction work: +60°
- Heat resistance (according to IEC 60695-10-2 standard): +125°
- Self-extinguishing (GWFI, according to IEC 60695-2-11 standard): +850 °C/ 30 s
- Insulation resistance > 5 MΩ at 500 V
- Electrical strength: No drilling or contouring with 2000 V / 50 Hz for 1 minute.

ART.NO.

5100000X-...



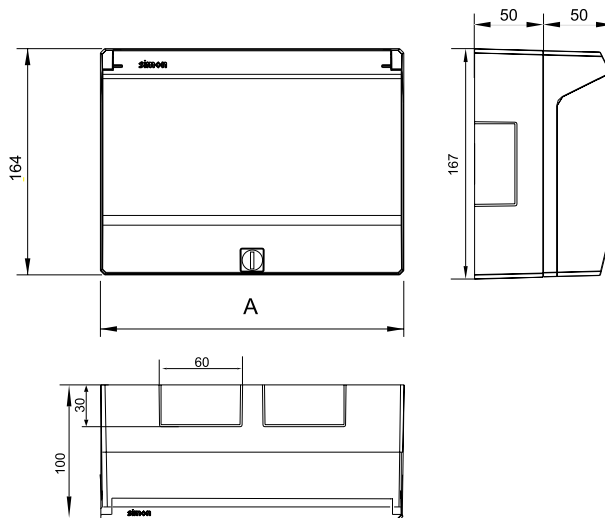


References	No. of double modules	B		C		D		E	
		Dimensions A	58 x 31 lateral inlets	No. of pre-punched holes Ø 20 mm	No. of pre-punched holes Ø 25 mm	No. of pre-punched holes 30 x 50 mm	No. of pre-punched holes 40 x 80 mm		
51000001-...	1	97	4	-	1	-	-	-	
51000002-...	2	160	5	1	1	-	1*	-	
51000003-...	3	223	5	2	1	2	-	-	
51000004-...	4	286	5	2	2	2	-	-	
51000006-...	6	412	5	4	2	2	-	-	

* Only for 2-double module surface-mount box.

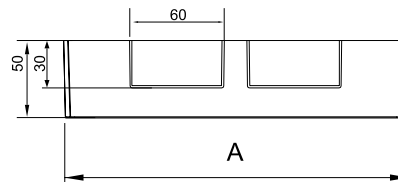
SURFACE-MOUNT WALL BOXES SUPPLIED WITH FRAME

Art. No.	No. of double modules	Dimensions A
51040003-...	3	220
51040004-...	4	284



SURFACE-MOUNT WALL BOX BASES FOR KITS

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



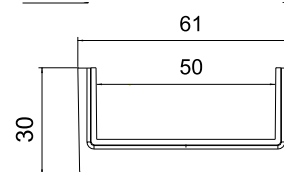
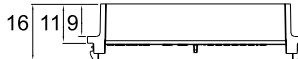
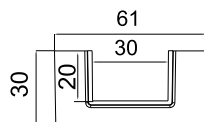
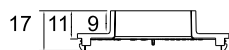
SURFACE-MOUNT WALL BOX ADAPTERS FOR MINI-TRUNKING ACCESS

ART. NO.

51010900-030

REFERENCE

51020900-030

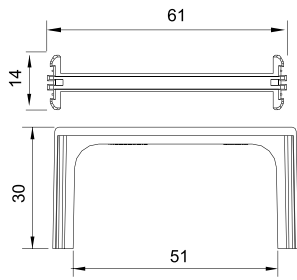




BOX LINKER

REFERENCE

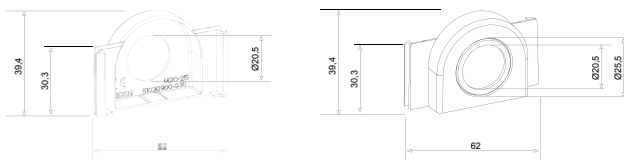
51040905-030



COVER FOR TUBE OR CABLE GLAND ACCESS Ø22 mm

REFERENCE

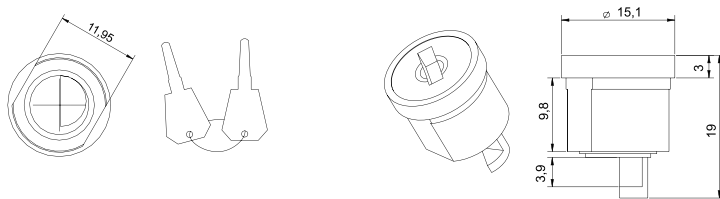
51030900-030



LOCK CYLINDER WITH KEY

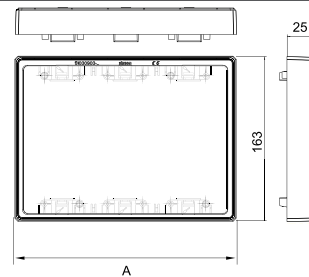
REFERENCE

51040900-033



DEPTH EXPANDER

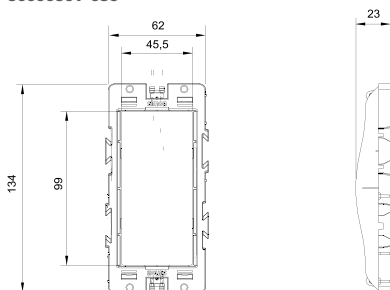
Art. No.	No. of double modules	Dimensions A
51030903-...	3	219
51030904-...	4	283



FRAME-HOLDER

REFERENCE

50000801-039

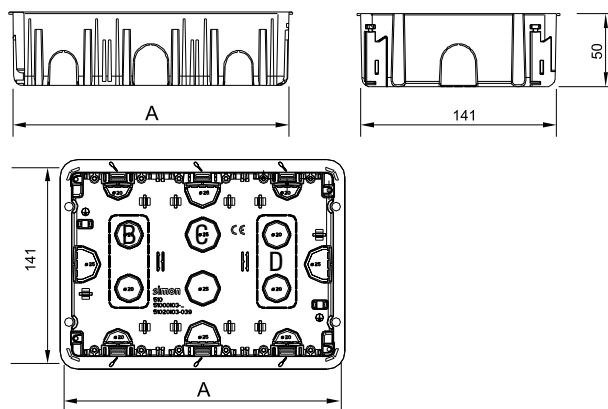


FRAME-HOLDER
FLUSH-MOUNT WALL BOXES

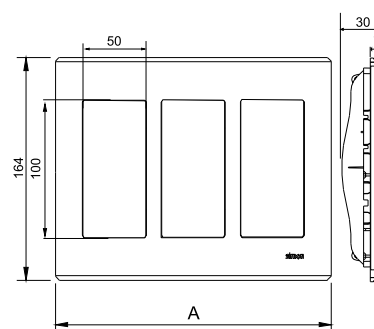
- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN 60670-1 standard.
- RoHS Directive 2011/65/EU
- Product with CE marking **CE**
- Impact resistance degree: IK07
- IP protection degree: IP: 4X
- Temperature range during installation: -5° to +60°
- Maximum temperature during construction work: +90°
- Heat resistance (according to IEC 60695-10-2 standard): +125°
- Self-extinguishing (GWFI, according to IEC 60695-2-11 standard): +850 °C/ 30 s
- Insulation resistance >5 MΩ at 500 V
- Electrical strength: No drilling or contouring with 2000 V / 50 Hz for 1 minute.

FLUSH-MOUNT WALL BOXES

References	No. of double modules	Dimensions A	B	C	D
			No. of pre-punched holes Ø 20 mm	No. of pre-punched holes Ø 25 mm	No. of pre-punched holes 30 x 70 mm
51020101-...	1	73	4	2	-
51020102-...	2	135	6	4	1
51020103-...	3	199	8	6	2
51020104-...	4	262	8	10	2
51020106-...	6	388	10	16	2


FRAMES

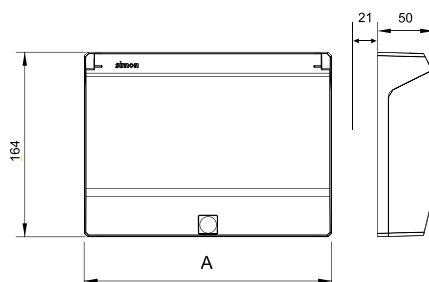
Art. No.	No. of double modules	Dimensions A
51010101-...	1	94
51010102-...	2	157
51010103-...	3	220
51010104-...	4	284
51010106-...	6	409





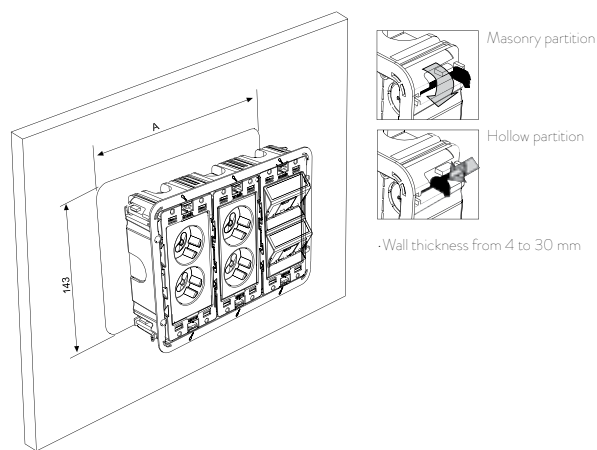
FRAMES WITH PROTECTIVE LID

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



INSTALLATION IN MASONRY WALL AND HOLLOW PARTITION

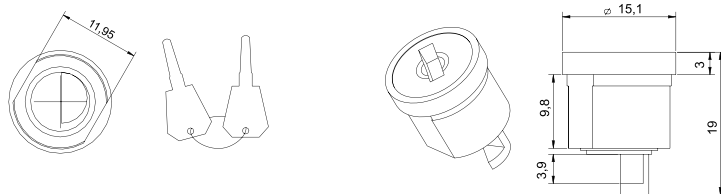
Art. No.	No. of double modules	Dimensions A
51020101-...	1	75
51020102-...	2	138
51020103-...	3	201
51020104-...	4	264
51020106-...	6	390



LOCK CYLINDER WITH KEY

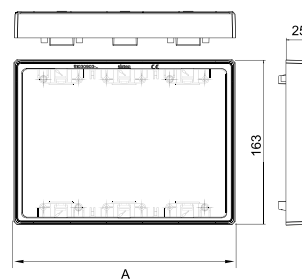
ART. NO.

51040900-033



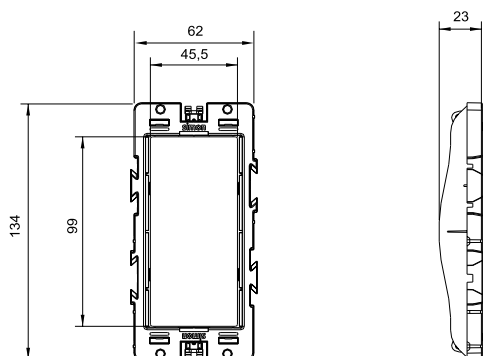
DEPTH EXPANDER

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



FRAME-HOLDER

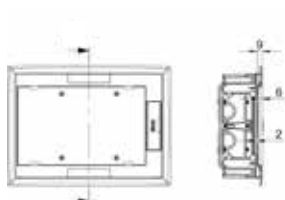
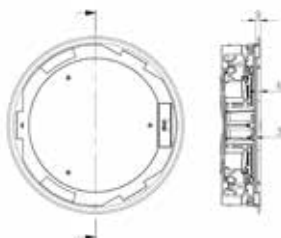
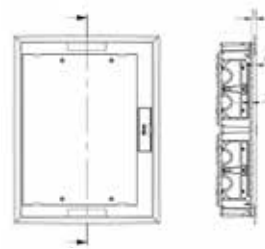
ART. NO.

50000801-039


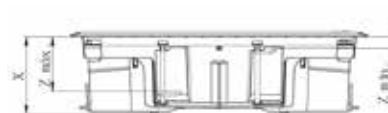
SHALLOW FLOOR BOXES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN 60670-23 standard.
- Product with CE marking **CE**.
- IP protection degree: 4X
- IK impact resistance degree: 08
- Temperature range during installation: -5 °C to +60 °C
- Maximum temperature during construction work of +90 °C (installed with service box)

FLOOR BOXES

2 double modules

3 double modules

4 double modules


Art. No.	No. of double modules	Dimensions X	No. of pre-punched holes per module	Dimensions Z	Maximum load (kg)
52050202-035	2	69	2 x Ø10 2 x Ø20 2 x 55 x 20	11 to 48	400
52050203-035	3				790
52050204-035	4				770

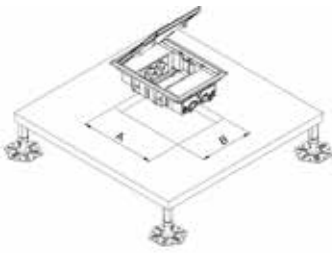


Dimensions in mm



INSTALLATION IN RAISED FLOOR

2 double modules



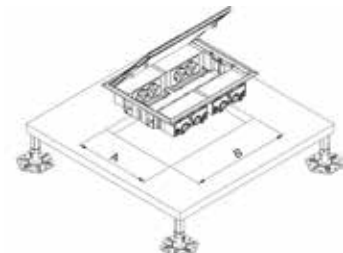
Art. No.	Opening dimensions AxB
52050202-035	250 x 178

3 double modules



Art. No.	Opening dimensions AxB
52050203-035	300

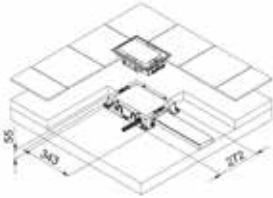
4 double modules



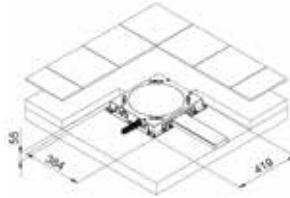
Art. No.	Opening dimensions AxB
52050204-035	250 x 327

INSTALLATION IN CONCRETE FLOOR

2 double modules



3 double modules

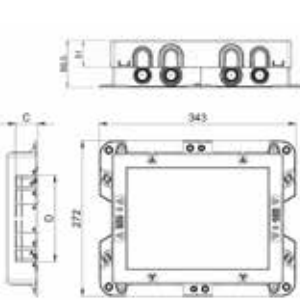


4 double modules

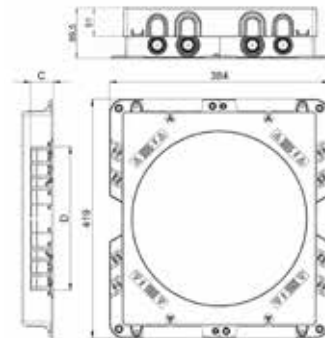


TRAYS FOR CONCRETE FLOOR

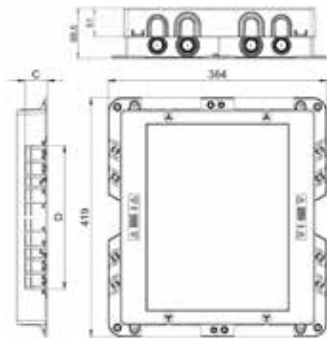
2 double modules



3 double modules



4 double modules



Art. No.	No. of double modules	Service box opening dimensions	Depth X	Tube entry pre-punched hole no.	Trunking access CxD	
G201	2	272x343	51 to 89.5	8 x Ø20 8 x Ø25 8 x Ø32 8 x Ø40	50	x28 x39
G301C	3				100	
G401	4				110	
					140	
					150 *190	
					*200	
					*240	
					*250	

*Only for G301C and G401
**Excluding floor finish



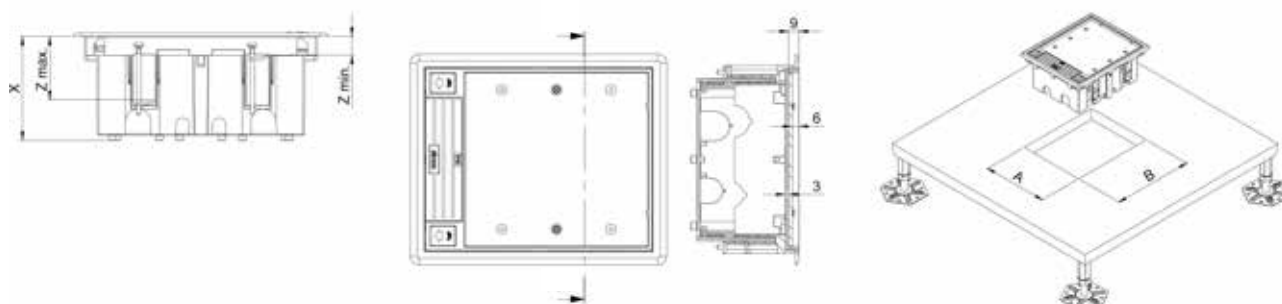
TRIM COVERS

ART. NO.	ART. NO.	ART. NO.
52053202-035 2 double modules	52053203-035 3 double modules	52053204-035 4 double modules

ADJUSTABLE DEPTH FLOOR BOXES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN 60670-23 standard.
- Product with CE marking **CE**.
- IP protection degree: 4X
- IK impact resistance degree: 08
- Temperature range during installation: -5 °C to +60 °C
- Maximum temperature during construction work of +90 °C

INSTALLATION IN RAISED FLOOR

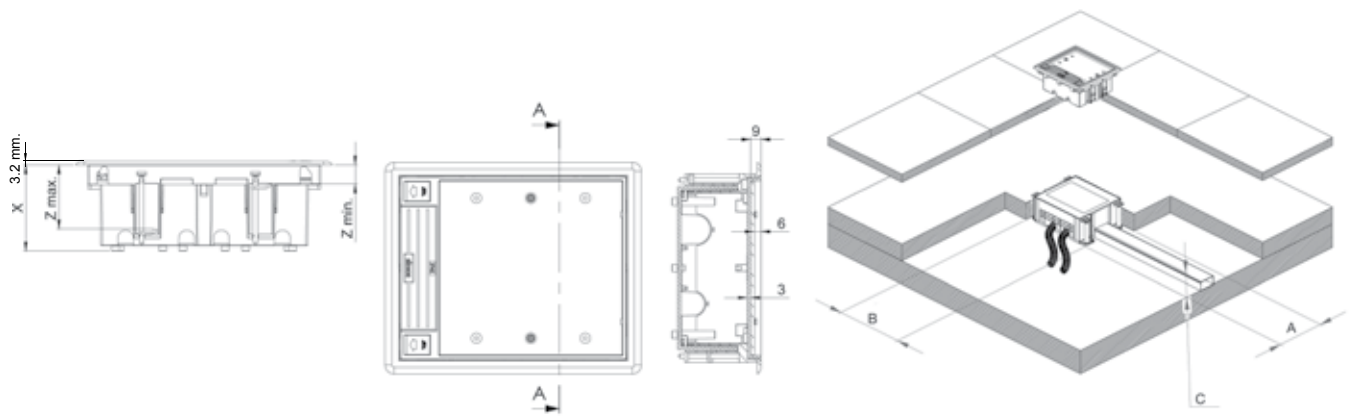


Art. No.	No. of double modules	Opening dimensions Ax B	Depth X	No. of pre-punched holes	Maximum load (kg)	Adjustment Z Min.	Adjustment Z Max.
52050101-...	1	170x114	Adjustable from 90 to 120 mm	2 x Ø26 + 4 x Ø20 + 2 x Ø12.5	800	14	54
52050102-...	2	170x154		4 x Ø26 + 4 x Ø20	1400	14	54
52050103-...	3	170x209		2 x Ø26 + 6 x Ø20 + 4 x Ø12.5	1700	14	54
52050104-...	4	170x265		5 x Ø26 + 5 x Ø20	1300	14	54
52050106-...	6	210x300		5 x Ø26 + 5 x Ø20 + 4 x Ø12.5	1800	14	54

Dimensions in mm

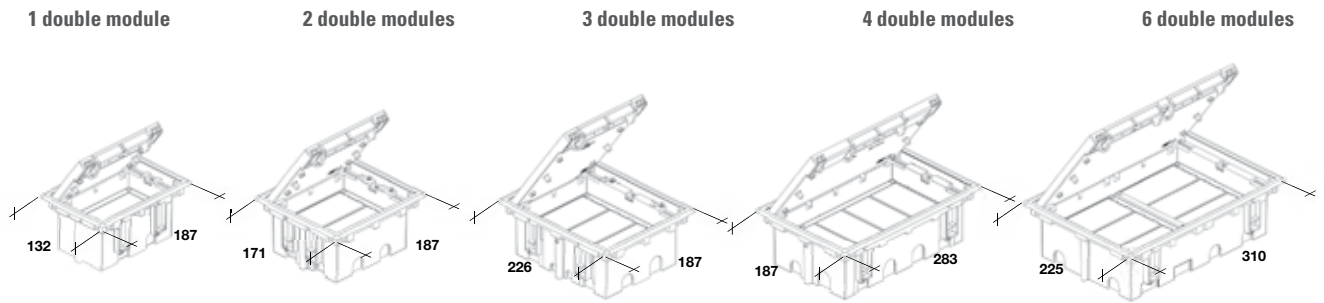


INSTALLATION IN CONCRETE FLOOR

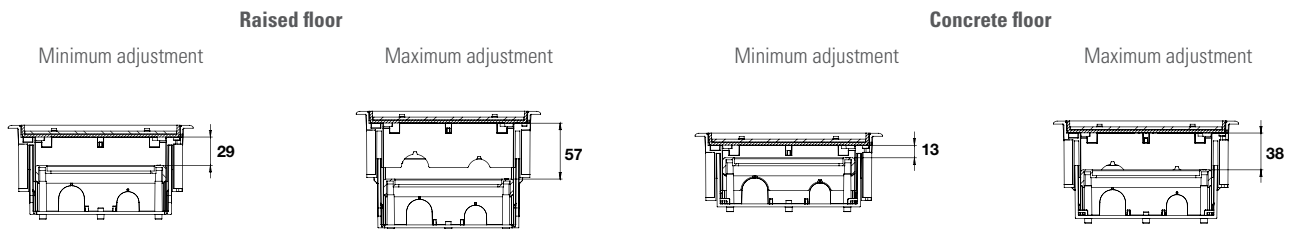


Art. No.	No. of double modules	Plastic tray AxB	Depth X	No. of pre-punched holes	Maximum load (kg)	Adjustment Z Min.	Adjustment Z Max.
52050001-...	1	220x172	Adjustable from 70 to 100 mm	2 x Ø26 + 2 x Ø20 + 2 x Ø12.5	800	14	54
52050002-...	2	220x172		4 x Ø26 + 4 x Ø20	1400	14	54
52050003-...	3	220x227		2 x Ø26 + 6 x Ø20 + 8 x Ø12.5	1700	14	54
52050004-...	4	220x286		4 x Ø26 + 4 x Ø20 + 4 x Ø12.5	1300	14	54
52050006-...	6	259x312		4 x Ø26 + 4 x Ø20 + 8 x Ø12.5	1800	14	54

OPENING DIRECTION AND EXTERIOR DIMENSIONS OF THE BOXES



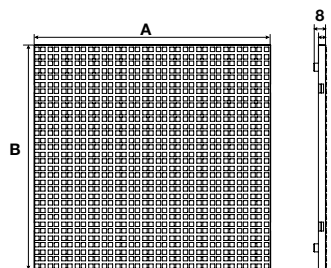
FREE INSIDE SPACE WITH MINIMUM AND MAXIMUM ADJUSTMENT



TRIM COVER

Trim cover dimensions to customise with carpet, parquet, etc.

Art. No.	No. of double 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



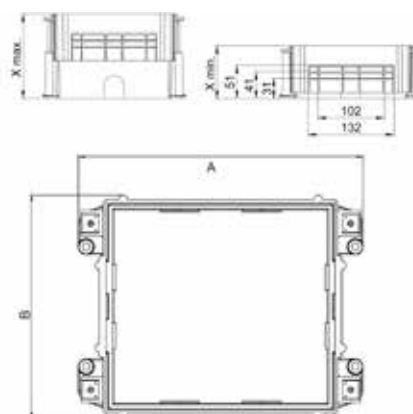
FLOOR SERVICE BOXES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN 60670-23 standard.
- Product with CE marking **CE**.
- IP protection degree: 4X
- Temperature range during installation: -5 °C to +60 °C
- Maximum temperature during construction work of +90 °C

PLASTIC TRAY FOR CONCRETE FLOOR

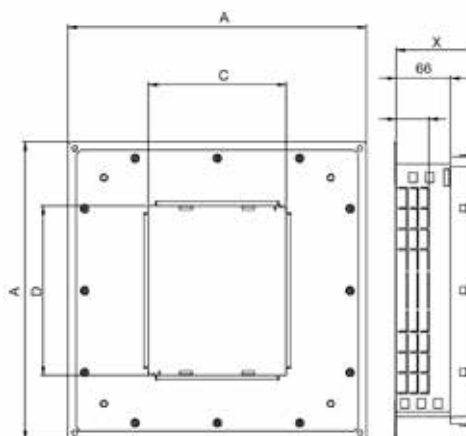
Art. No.	No. of double modules	Service box opening dimensions AxB	Depth X	No. of pre-punched holes for conduit access	Trunking access
52052101-035	1	220x172.2	Adjustable from 80 to 110*	4 x Ø 30	From 100x20 to 130x40
52052102-035	2	220x172.2		4 x Ø 30	
52052103-035	3	220x227	Adjustable from 80 to 130*	4 x Ø 30	
52052104-035	4	220x286.5		8 x Ø 30	
52052106-035	6	259x312	Adjustable from 80 to 110*	8 x Ø 30	

*Includes floor finish



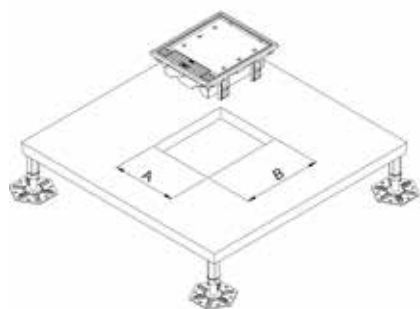
METAL TRAY FOR CONCRETE FLOOR

Art. No.	No. of double modules	Service box opening dimensions AxA	Lining opening dimensions CxD	Depth X	Trunking access
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

SERVICE COVER

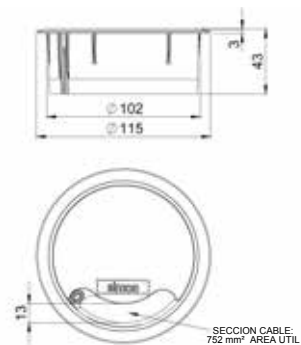


Art. No.	Opening dimensions AxB
52054101-...	170 x 114
52054102-...	170 x 154
52054103-...	170 x 209
52054104-...	170 x 265
52054106-...	210 x 300

FLOOR GROMMET

ART. NO.

52055000-...

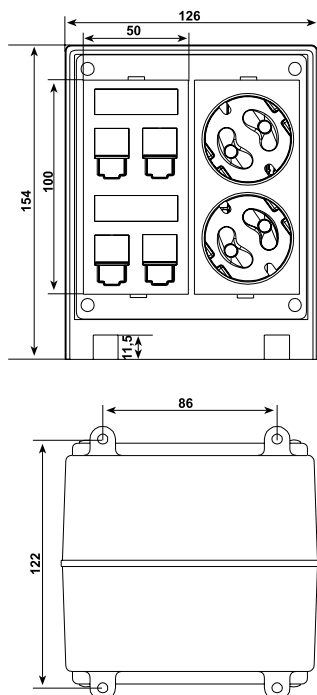


MINI-TOWER

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-50085-2-4 standard.
- Product with CE marking **CE**.
- IP protection degree: 4X
- Impact resistance degree: IK08
- Temperature range during installation: -5 °C to +60 °.
- Maximum temperature during construction work of +60 °C.

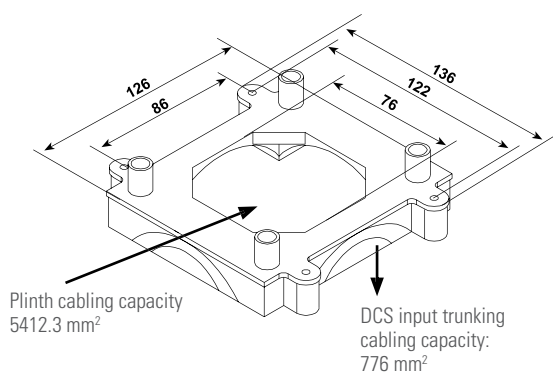
ART. NO.

52550204-030



PLINTH

ART. NO.
52554204-030



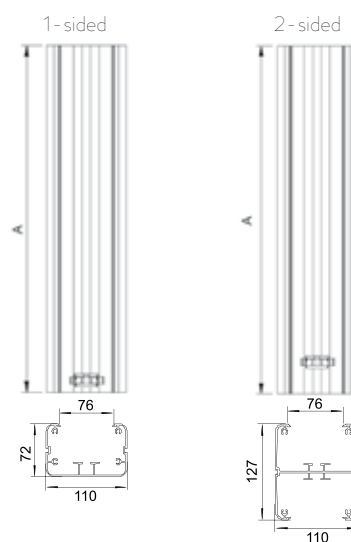
Plinth with pre-punched hole prepared for 85 x 18 mm DCS floor trunking

MINI-COLUMNS AND COLUMNS

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-50085-2-4 standard.
- Temperature range during installation: -25 °C to +120 °C.
- Maximum temperature during construction work of 120 °C.
- Manufactured in anodised/painted aluminium.
- IP protection degree: 4X

MINI-COLUMNS

	Art. No.	No. of double modules	Dimensions A
1-sided	52550112-...	2	304
	52550113-...	3	439
	52550114-...	4	574
	52550115-...	5	709
2-sided	52550222-...	4	304
	52550223-...	6	439
	52550224-...	8	574
	52550225-...	10	709

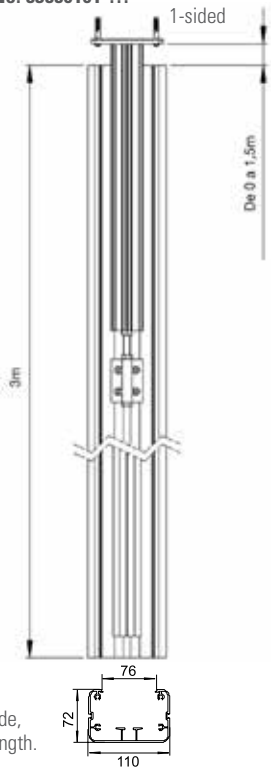


Dimensions in mm

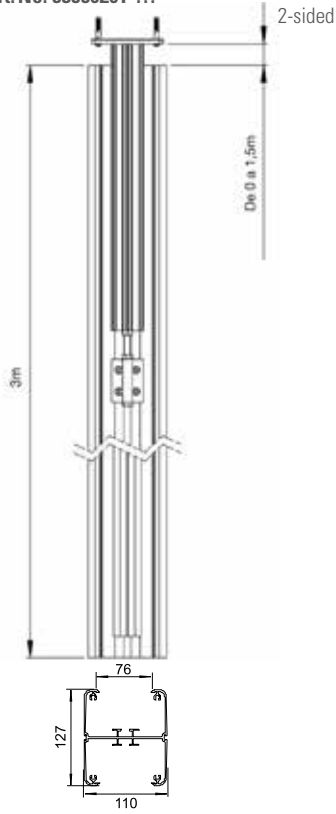


COLUMNS

Art. No. 53550101-...



Art. No. 53550201-...

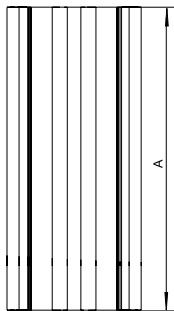
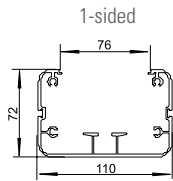


Note:
Telescopic guide,
1500 mm in length.

COLUMN EXTENSIONS

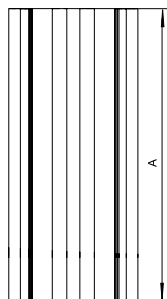
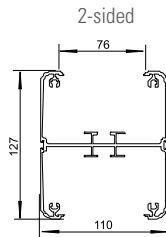
ART. NO.

5355510X-...



ART. NO.

5355520X-...



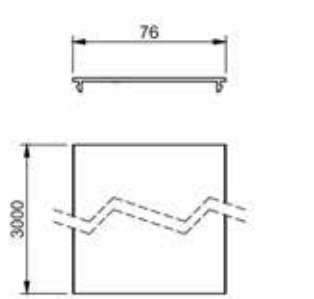
1-sided	
Art. No.	Dimension A
53555101-...	500
53555102-...	1000
53555103-...	1500

2 Sided	
Art. No.	Dimension A
53555201-...	500
53555202-...	1000
53555203-...	1500

COLUMN SPARE PARTS

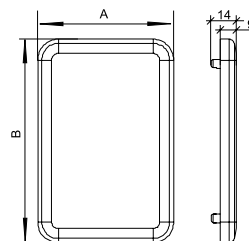
FRONT COVER

ART. NO.

52551807-...


MINI-COLUMN SPARE PARTS

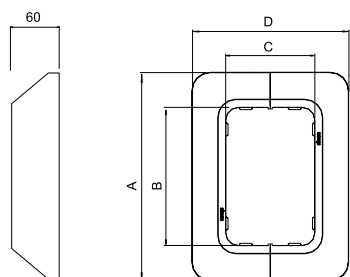
TOP COVER



	Art. No.	Dimension B	Dimension A
1-sided	52551805-...	70	32
2-sided	52551806-...	70	79

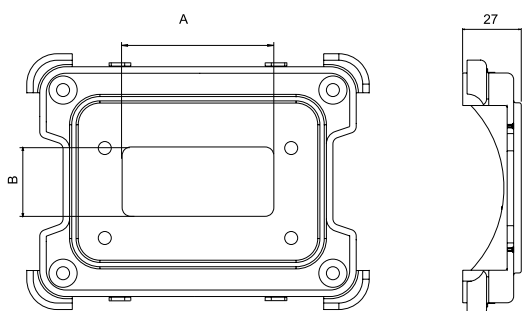
MINI-COLUMN AND COLUMN SPARE PARTS

TRIM



	Art. No.	Dimension A	Dimension B	Dimension C	Dimension D
1-sided	52551801-...	165	110	71	125
2-sided	52551802-...	181	127	109	165

PLINTHS



	Art. No.	Dimension A	Dimension B
1-sided	52551803-038	70	32
2-sided	52551804-038	70	79

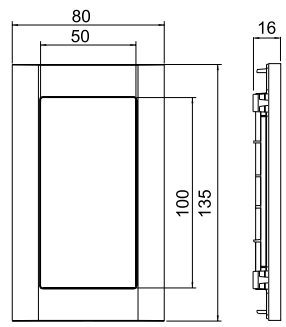


MECHANISM INSTALLATION IN MINI-COLUMNS AND COLUMNS

TRIM FRAME AND FRAME-HOLDER

ART. NO.

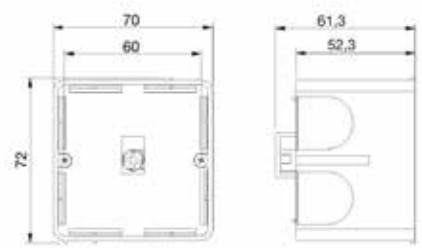
52550900-...



BOX FOR ADAPTATION OF SIMON UNIVERSAL MECHANISMS

ART. NO.

Art. No. AL50



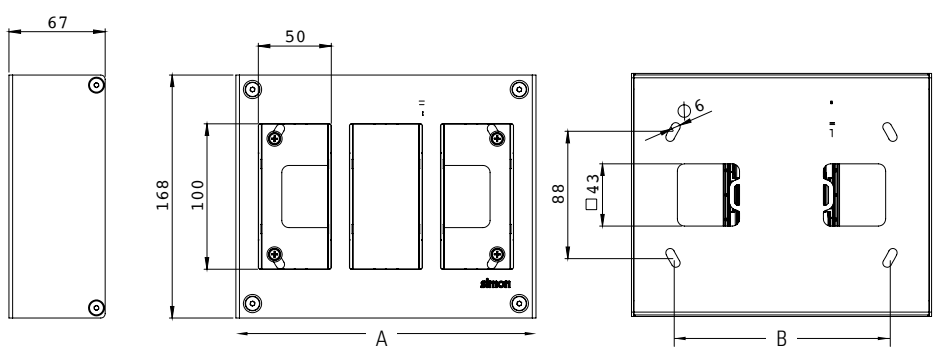


METAL ENCLOSURES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN 50085-1:2006 (for mini-tower) and EN 60670-1:2006 (for boxes)
- Frame manufactured in AISI 430 ferritic stainless steel
- Reinforced aluminium structure with epoxy paint
- Impact resistance degree: IK10 except for art.nos. with an asterisk (*), which have an IK08 rating
- IP protection degree: IP40

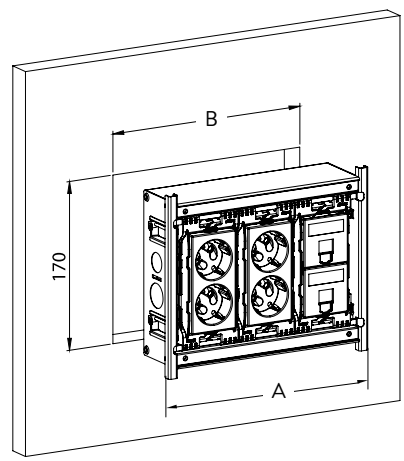
SURFACE-MOUNT WALL BOX

Art. No.	No. of double modules	Dimensions A	Dimensions B
51000011-036	1	81.5	43
51000012-036	2	144.5	106
51000013-036	3	207.5	149
51000014-036	4	270.5	212
51000016-036	6	396.5	332

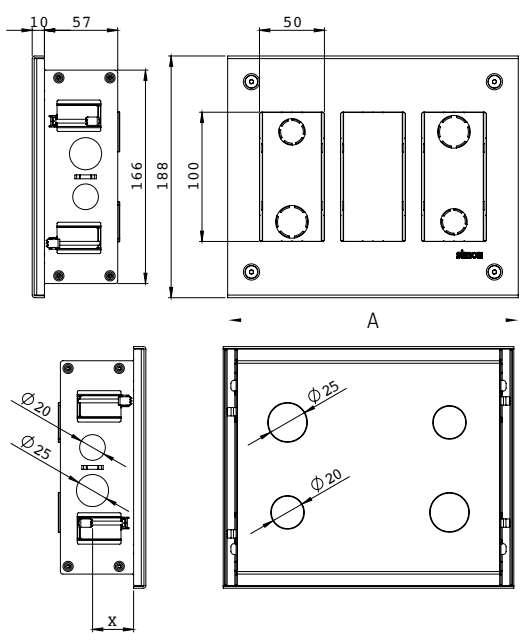


FLUSH-MOUNT WALL BOX

Art. No.	No. of double modules	Complete box	Opening
		Dimensions A	Dimensions B
51000111-036	1	100	82
51000112-036	2	163	145
51000113-036	3	226	208
51000114-036	4	289	271
51000116-036	6	415	397



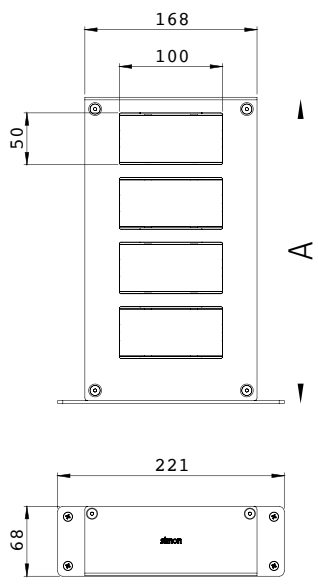
Art. No.	No. of double modules	Min. X	Max. X
51000111-036	1	2	30
51000112-036	2		
51000113-036	3		
51000114-036	4		
51000116-036	6		



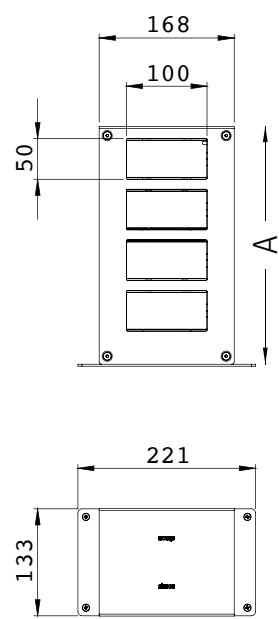


MINI-TOWER

1-SIDED



2-SIDED



Art. No.	No. of heights	No. of double 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

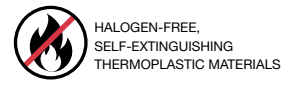
Art. No.	No. of heights	No. of double modules	Dimensions A
52510222-036*	2	4	172.5
52510223-036*	3	6	235.5
52510224-036*	4	8	298.5





K45 technical Information

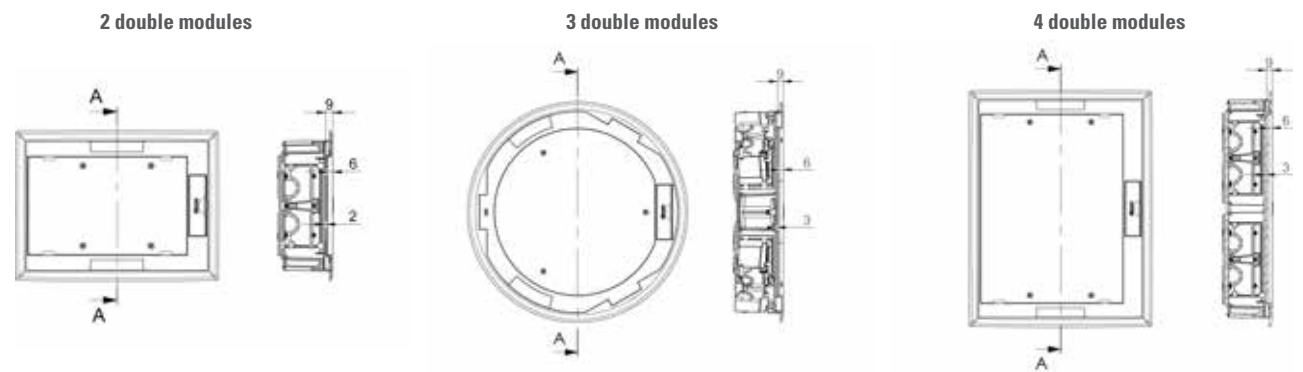
Plastic parts manufactured using halogen-free, self-extinguishing thermoplastic materials, guaranteeing no flame spread in case of fire and low toxicity in the event of smoke generation.



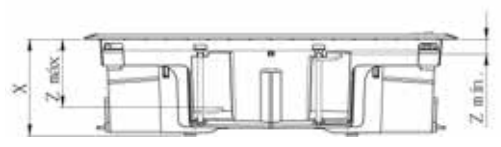
SHALLOW FLOOR BOXES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-60670 standard.
- Product with CE marking **CE**
- IP protection degree: 4X
- IK impact resistance degree: 08
- Temperature range during installation: -5 °C to +60 °C
- Maximum temperature during construction work of +90 °C (installed with service box)

FLOOR BOXES



Art. No.	No. of double modules	Dimensions X	No. of pre-punched holes per module	Dimensions Z	Maximum load (kg)
KF200/1	2	64	3 x Ø10 2 x Ø20 2 x 22x34	11 to 48	400
KF300C/1	3				790
KF400/1	4				770



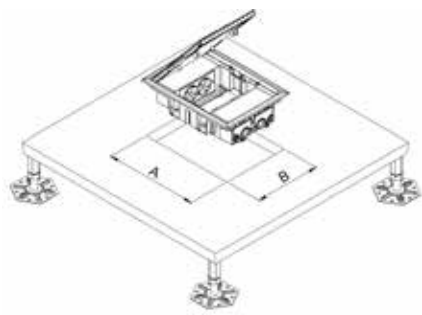
Dimensions in mm



SHALLOW FLOOR BOXES

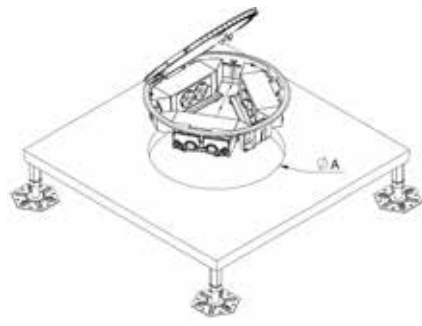
INSTALLATION IN RAISED FLOOR

2 double modules



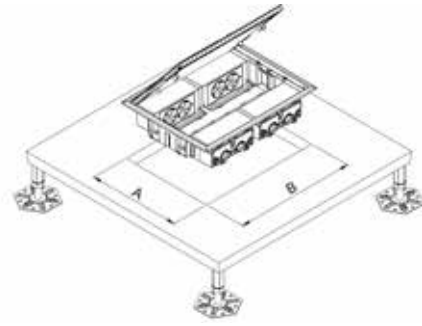
Art. No.	Opening dimensions AxB
KF200/1	250x178

3 double modules



Art. No.	Opening dimensions AxB
KF300C/1	300

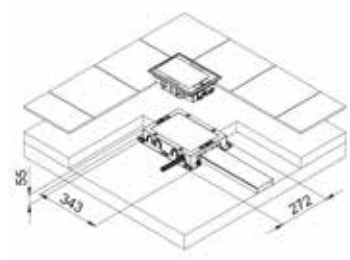
4 double modules



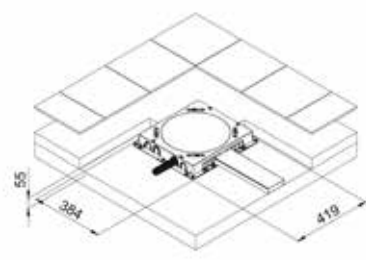
Art. No.	Opening dimensions AxB
KF400/1	250x327

INSTALLATION IN CONCRETE FLOOR

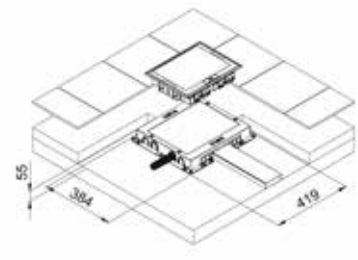
2 double modules



3 double modules



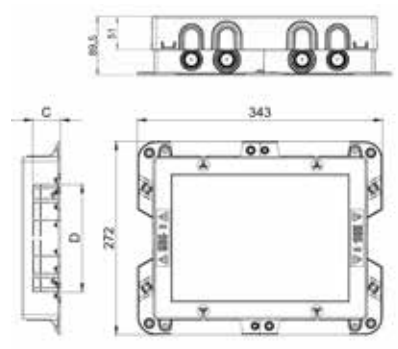
4 double modules



TRAYS FOR CONCRETE FLOOR

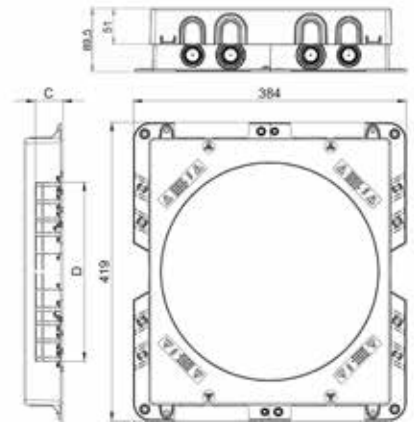
ART. NO. G201

2 double modules



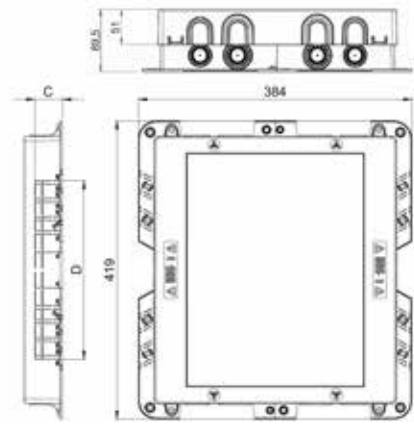
ART. NO. G301C

3 double modules



ART. NO. G401

4 double modules





Art. No.	No. of double modules	Service box opening dimensions	Depth X	Tube entry pre-punched hole no.	Trunking access CxD
G201	2	272x343	54.5 to 90**	8 x Ø 20 8 x Ø 25 8 x Ø 32 4 x Ø 40	50
G301C	3	419x384			100
G401	4				110
					140
					150
					190
					*200
					*240
					*250

* Only for G301C and G401
** Excluding floor finish

TRIM COVERS

ART.NO. 52053202-035	ART.NO. 52053203-035	ART.NO. 52053204-035
2 double modules	3 double modules	4 double modules

TELEBLOCK

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN 60670 standard.
- Product with CE marking **CE**.
- IP protection degree: 4X
- Temperature range during installation: -5 °C to +60 °C
- Maximum temperature during construction work is +60 °C
- Manufactured in anodised aluminium

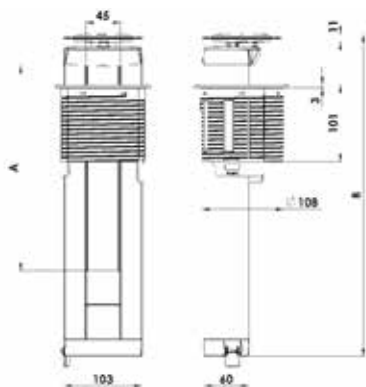
TELEBLOCK, AUTOMATIC ELEVATION

ART.NO. KTLE205	ART.NO. KTLA1/..

Dimensions in mm



TELEBLOCK, MANUAL ELEVATION



Art. No.	No. of wide K45 modules	Dimensions		Opening dimensions
		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

SPARE PARTS

ART. NO.

KTLA2

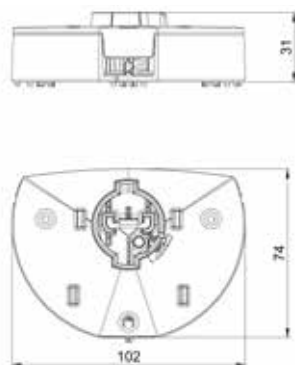
Gas cylinder for automatic Teleblock elevation



Gas cylinder technical data:
 Ø 18 - 8 mm
 Piston travel 271 mm
 Closing force: 50 N
 Temperature range: -30 °C - +80 °C

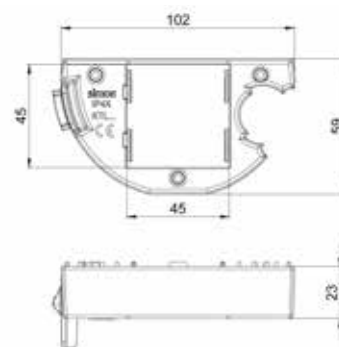
ART. NO.

KTLA5



ART. NO.

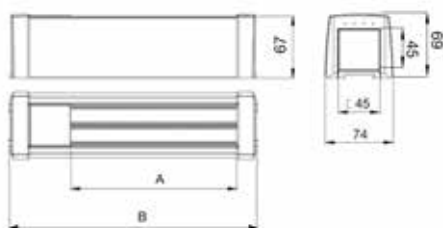
KTLA6



OFIBLOCK PLUS

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN 60670 standard.
- Product with CE marking **CE**.
- IP protection degree: 4X
- Temperature range during installation: -5 °C to +60 °C
- Maximum temperature during construction work is +60 °C
- Manufactured in anodised aluminium

OFIBLOCK PLUS PROFILE



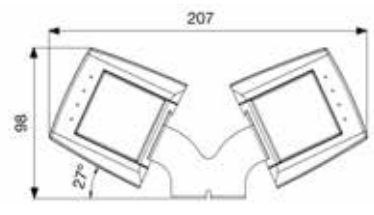
Art. No.	No. of wide K45 modules	Dimensions	
		A	B
KFP101/..	1	45	130
KFP102/..	2	90	175
KFP103/..	3	135	220
KFP104/..	4	180	265
KFP105/..	5	225	310
KFP106/..	6	270	355
KFP107/..	7	315	400
KFP108/..	8	360	445



FASTENING BRACKET ON RAISED FLOOR (TANDEM CONFIGURATION)

ART. NO.

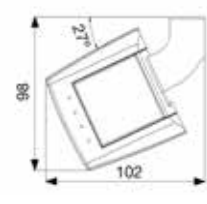
KSF2



FASTENING BRACKET UNDER DESK (INDIVIDUAL CONFIGURATION)

ART. NO.

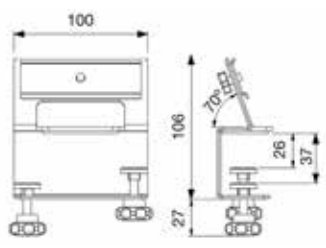
KSF1



DESK TOP FASTENING BRACKET

ART. NO.

KSF3

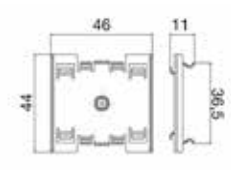


Quick-connect plate and cable access information on pages 572-574

DIN RAIL FASTENING BRACKET

ART. NO.

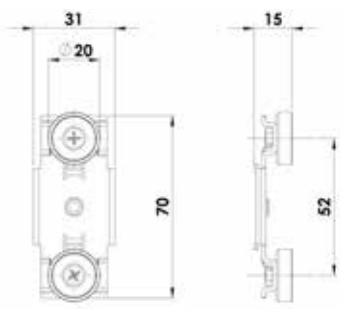
KSF5



MAGNET FASTENING BRACKET

ART. NO.

KSF6



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

Type of magnet: Neodymium

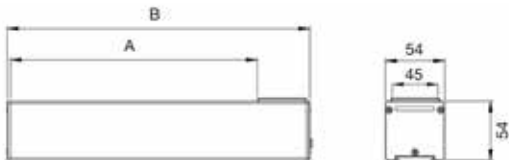
Dimensions in mm



OFIBLOCK COMPACT

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN 60670 standard.
- Product with CE marking **CE**.
- IP protection degree: 4X
- Temperature range during installation: -5 °C to +60 °C
- Maximum temperature during construction work is +60 °C
- Manufactured in Anodised Aluminium

OFIBLOCK COMPACT PROFILES

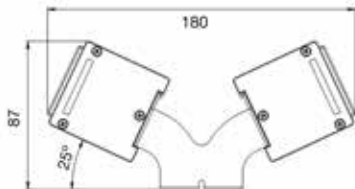


Art. No.	No. of wide K45 modules	Dimensions	
		A	B
KFC102/..	2	90	135
KFC103/..	3	135	180
KFC104/..	4	180	225
KFC105/..	5	225	270
KFC106/..	6	270	315
KFC107/..	7	315	360
KFC108/..	8	360	405
KFC109/..	9	405	450
KFC110/..	10	450	495

FASTENING BRACKET ON RAISED FLOOR (TANDEM CONFIGURATION)

ART. NO.

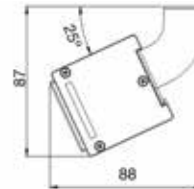
KSF2



FASTENING BRACKET UNDER DESK (INDIVIDUAL CONFIGURATION)

ART. NO.

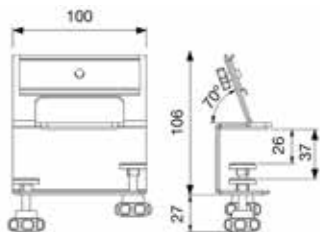
KSF1



DESK TOP FASTENING BRACKET

ART. NO.

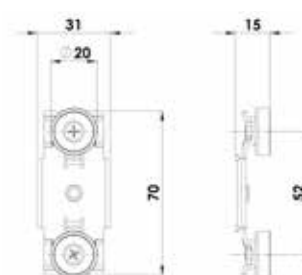
KSF3



MAGNET FASTENING BRACKET

ART. NO.

KSF6



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

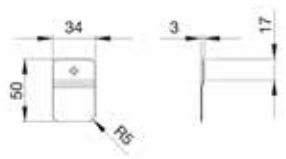
Type of magnet: Neodymium



WALL MOUNTING BRACKET

ART. NO.

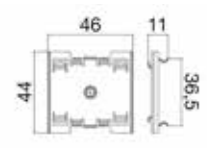
KSF4



DIN RAIL FASTENING BRACKET

ART. NO.

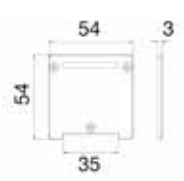
KSF5



MODULAR ENTRY COVERS

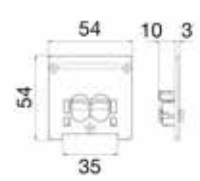
ART. NO.

ACFC01/24



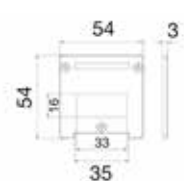
ART. NO.

ACFC02/24



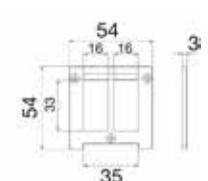
ART. NO.

ACFC03/24



ART. NO.

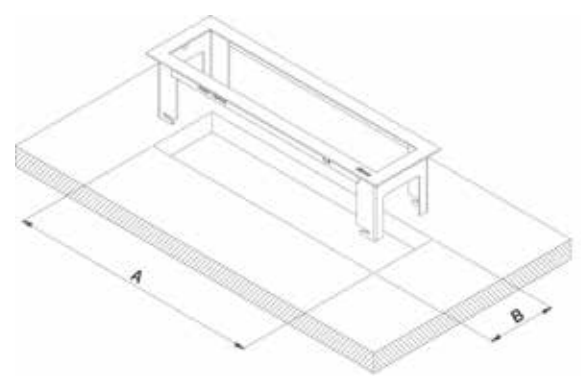
ACFC04/24



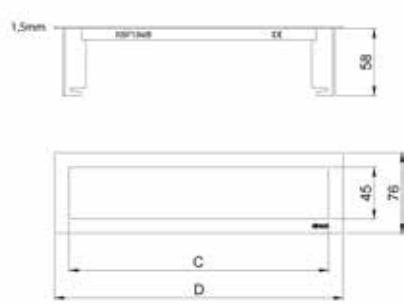
Wire cross-section.
Maximum Ø8 mm / Minimum Ø3.5 mm

OFIBLOCK LINE

OFIBLOCK LINE OPENING



OFIBLOCK LINE



Art. No.	No. of wide K45 modules	Dimensions		Dimensions	
		A	B	C	D
KSF131/8	1	105	64	90	121
KSF132/8	2	150	64	135	166
KSF134/8	4	240	64	225	256
KSF136/8	6	330	64	315	346

Dimensions in mm

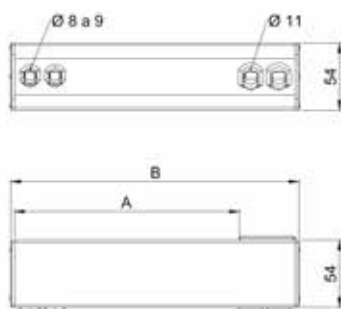
INSTALLATION IN FURNITURE



	Max. furniture thickness C	Min. furniture thickness C
Mounted with side cable retainer plate	24	10
Mounted with 1 quick-connect connector	20	

For furniture over 24 mm thick, needs to be combined with K45 Ofiblock Line profile with rear cable inlets.

OFIBLOCK PROFILES WITH REAR INLETS



Art. No.	No. of wide K45 modules	Dimensions	
		A	B
KFC131/14	1	45	90
KFC132/14	2	90	135
KFC134/14	4	180	225
KFC136/14	6	270	315

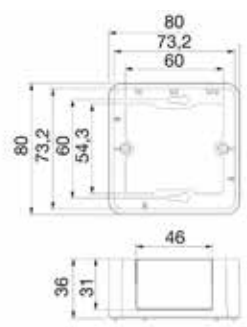


SURFACE-MOUNT & FLUSH-MOUNT WALL BOXES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-60670 standard.
- Product with CE marking **CE**.
- IP protection degree: 4X
- Temperature range during installation: -5 °C to +60 °C
- Maximum temperature during construction work of +60 °C (surface-mount)/ +90 °C (flush-mount)

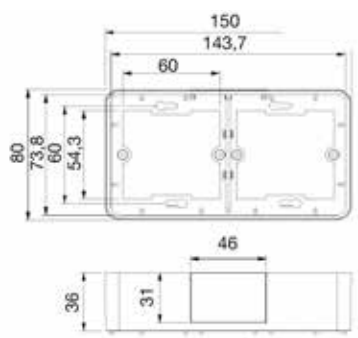
INDIVIDUAL SURFACE-MOUNT BOX

ART. NO.
R250/..



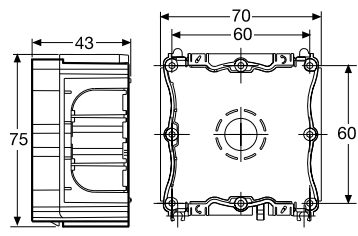
DOUBLE SURFACE-MOUNT BOX

ART. NO.
R450/..



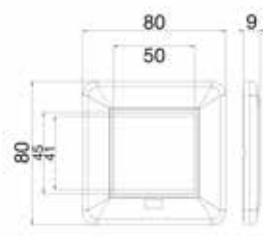
UNIVERSAL FLUSH-MOUNT BOX

ART. NO.
31710-61



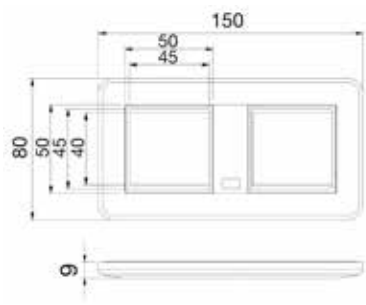
INDIVIDUAL FRAME AND FRAME-HOLDER

ART. NO.
KR245/..



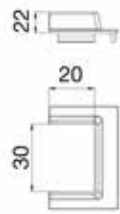
DOUBLE FRAME AND FRAME-HOLDER

ART. NO.
KR445/..

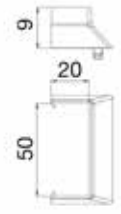


MINI-TRUNKING ACCESS

ART. NO.
SCM21F/9



ART. NO.
SCM31F/9



Dimensions in mm



IP66 WATERTIGHT FLOOR BOXES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN 60670 standard.
- Product with CE marking **CE**
- Temperature range during installation: -25 °C to +60 °C
- Maximum temperature during construction work of +90 °C

CLOSED BOX

- Protection degree IP66
- Impact Protection degree IK07 (with IP66)
- Maximum load per unit area: 12 kg/cm²
- Total maximum load: 1000 kg

OPEN BOX

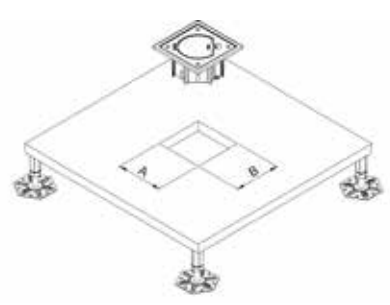
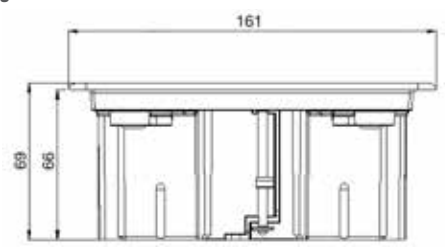
- Protection degree IP20
- Impact Protection degree IK06 (with IP20)
- Maximum load per unit area: 4 kg/cm²
- Total maximum load: 100 kg

TRAY FOR RAISED FLOOR

INSTALLATION IN RAISED FLOOR

ART. NO.

KGE170TF/23



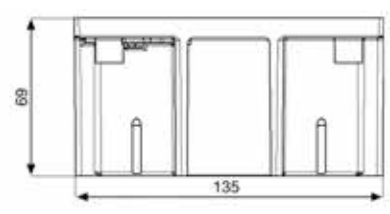
Opening dimensions AxB
145 x 145

TRAY FOR CONCRETE FLOOR

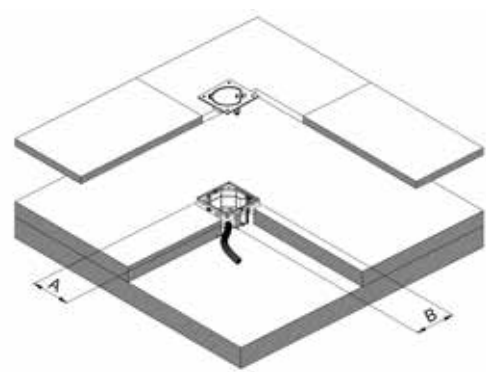
INSTALLATION IN CONCRETE FLOOR

ART. NO.

KGE170/23



Safety lock: Opening with 6 mm Allen key



Opening dimensions AxB
135 x 135

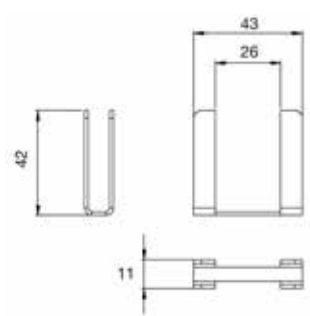


JOINT ACCESSORY

SPARE PARTS

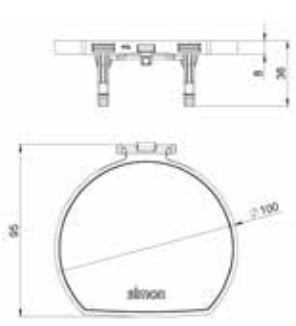
ART.NO.

ACSE



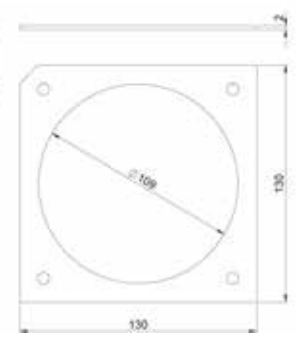
ART.NO.

RKS001/..



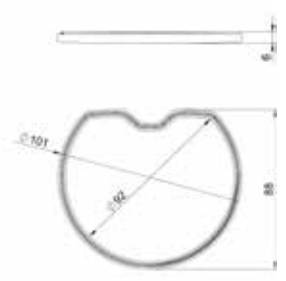
ART.NO.

RKS003



ART.NO.

RKS004

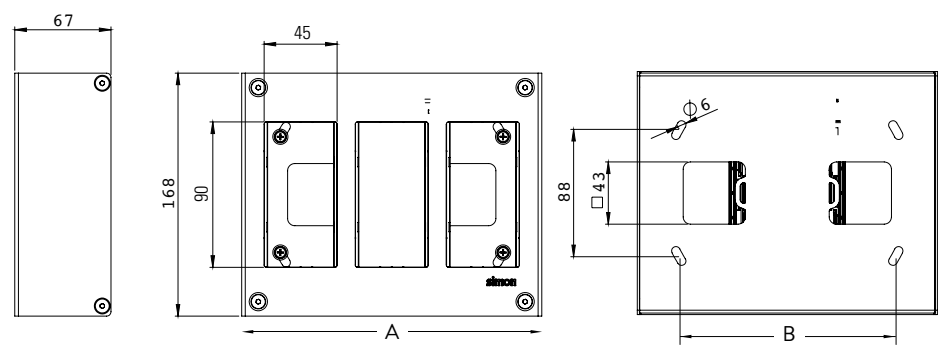


METAL ENCLOSURES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN 50085-1:2006 (for mini-tower) and UNE-EN 60670-1:2006 (for boxes)
- Frame manufactured in AISI 430 ferritic stainless steel
- Reinforced aluminium structure with epoxy paint
- Impact resistance degree: IK10 except for art.nos. with an asterisk (*), which have an IK08 rating
- IP protection degree: IP40

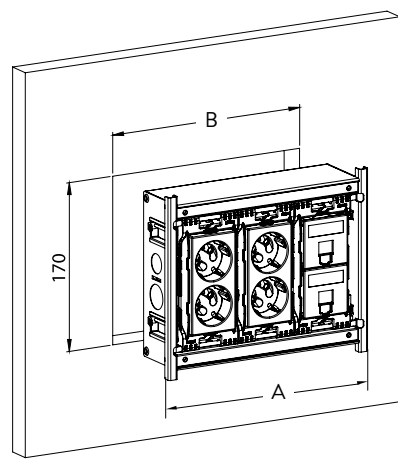
SURFACE-MOUNT WALL BOX

Art. No.	No. of double modules	Dimensions A	Dimensions B
KM301/8	3	207.5	149
KM401/8	4	270.5	212
KM601/8	6	396.5	332



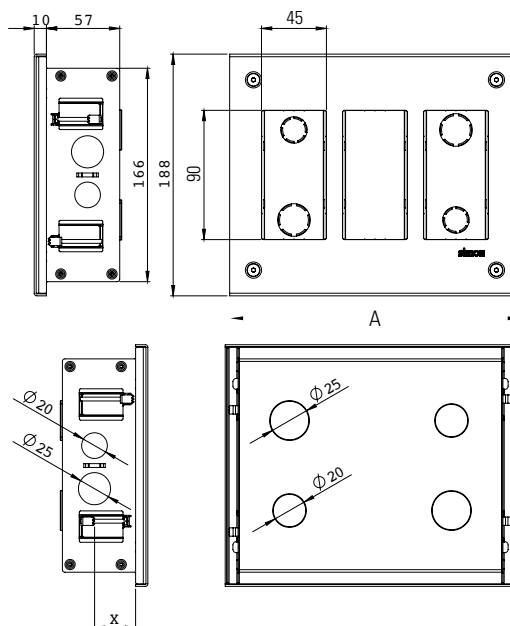
FLUSH-MOUNT WALL BOX

Art. No.	No. of double modules	Complete box Dimensions A	Opening Dimensions B
KTC300/8	3	226	208
KTC400/8	4	289	271
KTC600/8	6	415	397

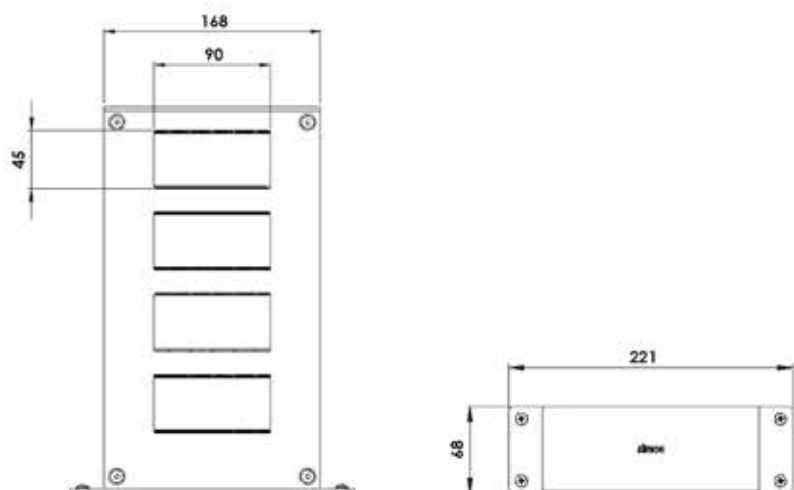


Dimensions in mm

Art. No.	No. of double modules	Min. X	Max. X
KTC300/8	3	2	30
KTC400/8	4		
KTC600/8	6		


MINI-TOWER

ART. NO.

KT0X00/8


Art. No.	No. of heights	No. of modules	Height (mm)
KT0800/8*	4	8	298.5
KT0100/8*	5	10	361.5



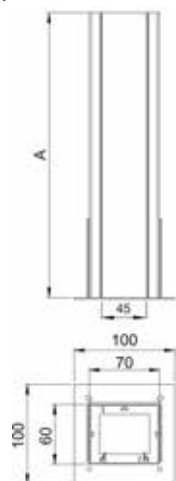
MINI-COLUMNS AND COLUMNS

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-50085 standard.
- Product with CE marking **CE**.
- IP protection degree: 4X
- Temperature range during installation: -25 °C to +120 °C
- Maximum temperature during construction work of +120 °C
- Manufactured in anodised / painted aluminium

MINI-COLUMNS

ART.NO.

ALK11X/8



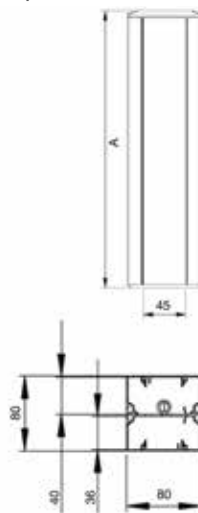
ART.NO.

ALK72X/8



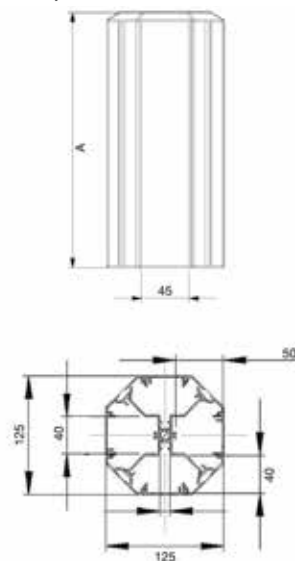
ART.NO.

ALK22X/8



ART.NO.

ALK54X/8



No. of wide K45 modules	A
5	270
6	315
7	360

No. of wide K45 modules	A
4	210
5	260
6	310

No. of wide K45 modules	A
4	225
5	285
7	345

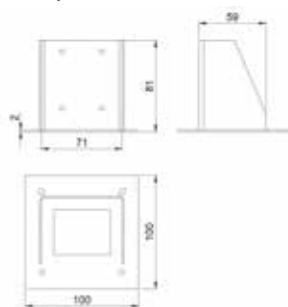
No. of wide K45 modules	A
4	210
5	260
6	310

MINI-COLUMN SPARE PARTS

INVISIBLE FIXED BASE

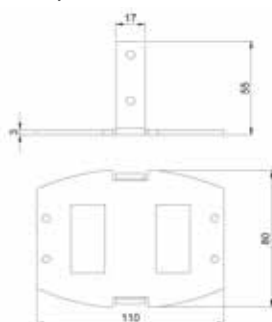
ART.NO.

RALK005/8



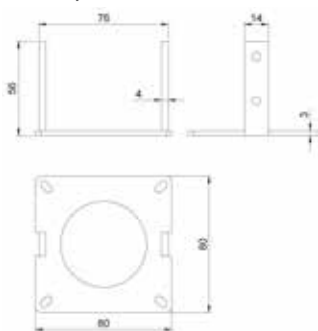
ART.NO.

RALK006/8



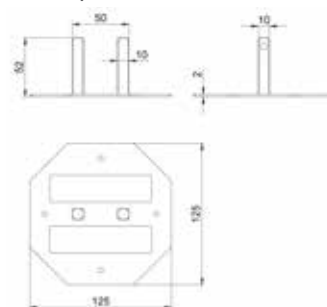
ART.NO.

RALK007/8



ART.NO.

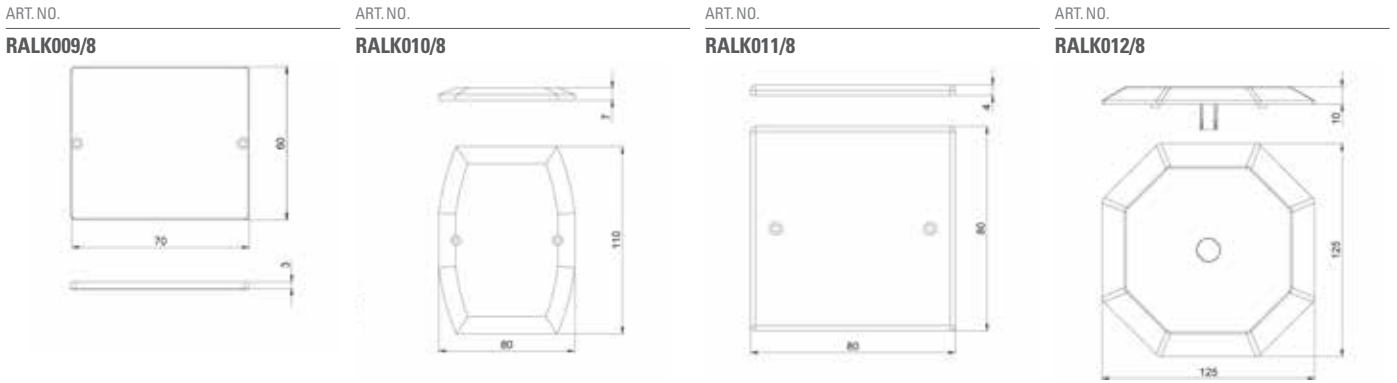
RALK008/8



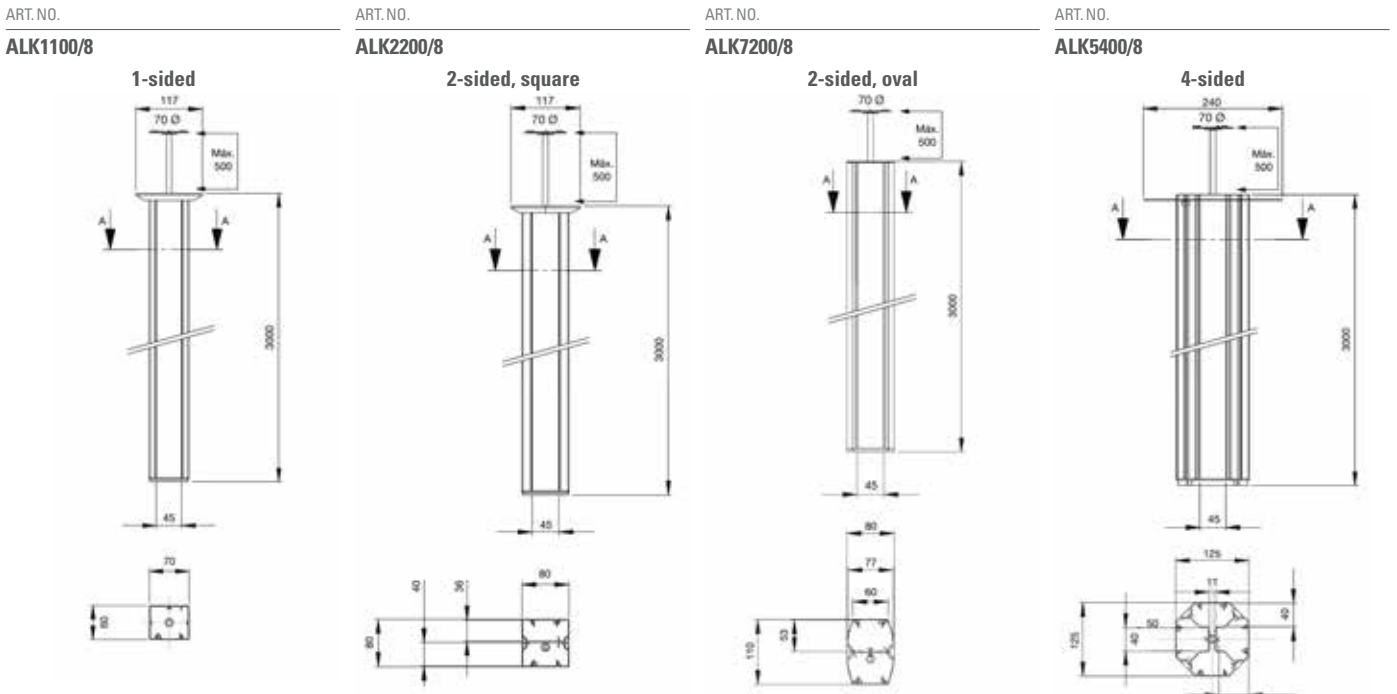
Dimensions in mm



END COVER

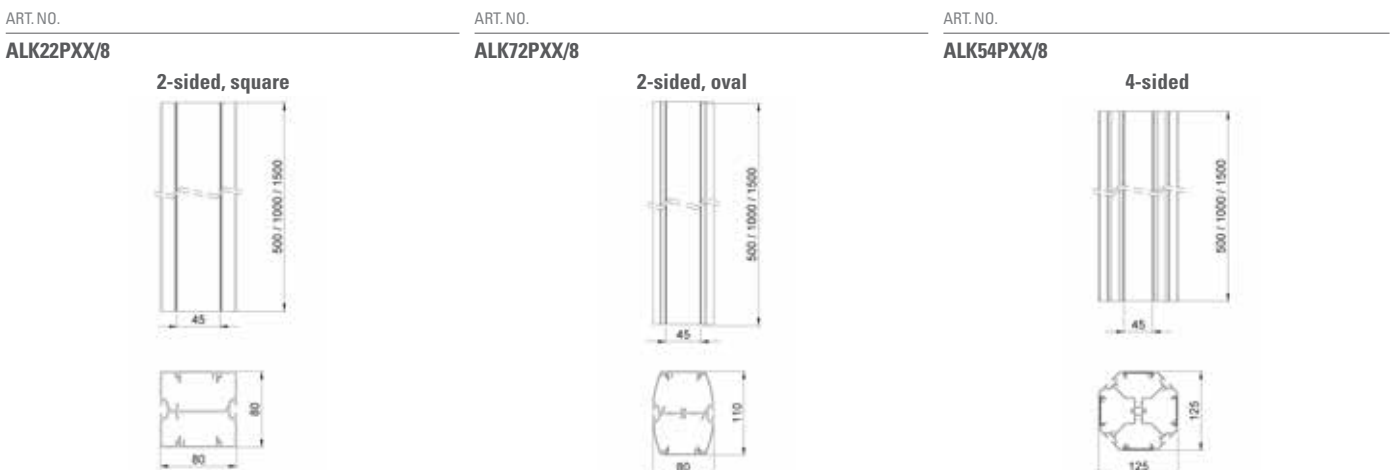


K45 COLUMNS



Note: Telescopic guide of maximum 500 mm in length

COLUMN EXTENSIONS



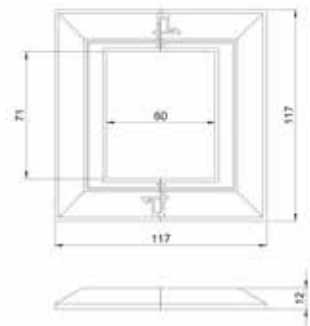


COLUMN SPARE PARTS

TRIM

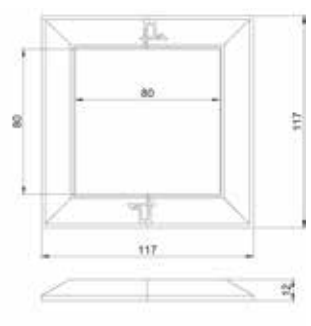
ART. NO.

RALK001/8



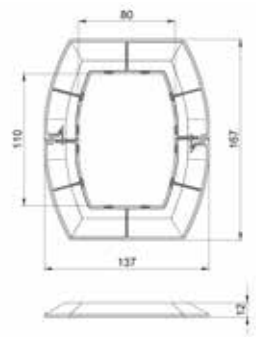
ART. NO.

RALK002/8



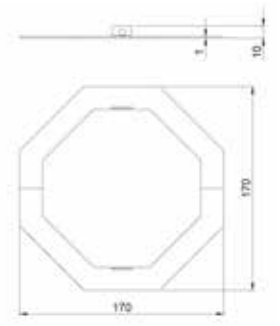
ART. NO.

RALK003/8



ART. NO.

RALK004/8



FRONT COVER

ART. NO.

RALK013/8



ART. NO.

RALK014/8



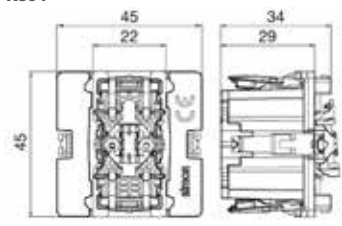
SINGLE-POLE SWITCHING MECHANISMS, 16 AX 250 V_{ac}

- Products designed according to the Safety Requirements of Directive 2006/5/EC (Low Voltage) through compliance with UNE-EN 60669 standard.
- Product with CE marking **CE**
- Electrical features: 16 AX 250 V_{ac}

MECHANISMS

ART. NO.

K301 / K302 / K303 / K304



Wiring diagrams			
Art. No. K301	Art. No. K302	Art. No. K303	Art. No. K304

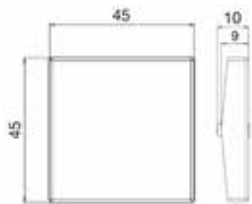
Dimensions in mm



ROCKERS

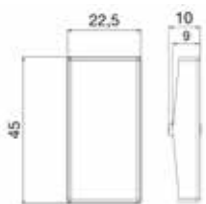
ART. NO.

K110/..



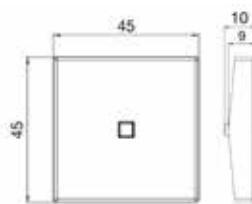
ART. NO.

K109/..



ART. NO.

K112/.. / K114/..



ART. NO.

K113/.. / K115/..

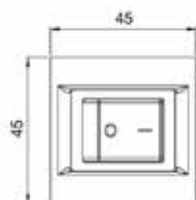


2-POLE ONE-WAY SWITCHES, 16 AX 250 V ac

- Products designed according to the Safety Requirements of Directive 2006/5/EC (Low Voltage) through compliance with UNE-EN 60669 standard.
- Product with CE marking **CE**.
- Electrical features: 16 AX 250 V ac

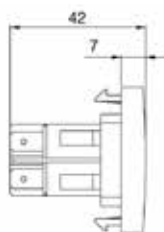
ART. NO.

K125A/..



ART. NO.

KL04/..



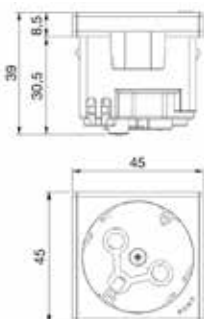
Wiring diagrams	
Art. No. K125A	Art. No. KL04

ELECTRICAL SOCKETS, 16 A 250 V ac

- Products designed according to the Spanish standard UNE-20315 (German sockets) or standard NF C 61-303 (French sockets)
- Electrical features: 16 A / 250 V ac
- IP protection degree: 20

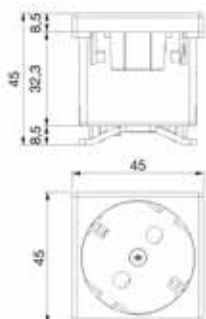
ART. NO.

K02/.. - K01/.. - KL02/.. - KL01/..



ART. NO.

K11/.. - KS11/..



ART. NO.

KLS02/.. - KLS01/..



ART. NO.

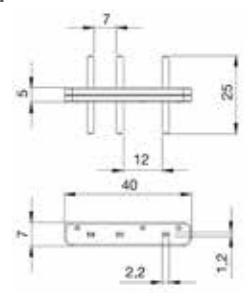
K22/.. - KS22/..





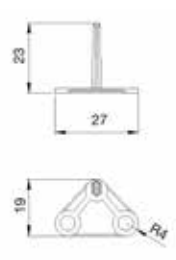
ART. NO.

AC11



ART. NO.

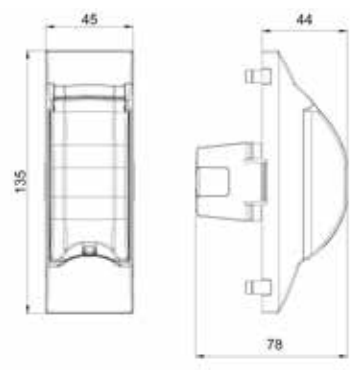
AC33



PROTECTION ELEMENTS

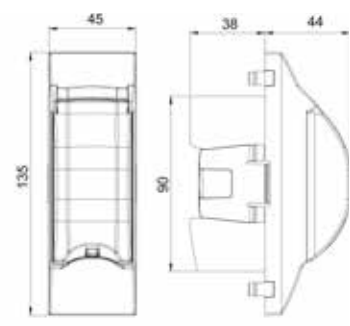
ART. NO.

KF03/..



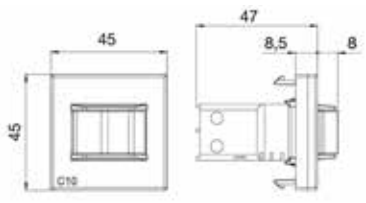
ART. NO.

KF04/..



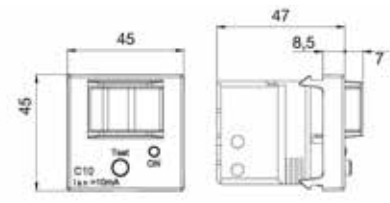
ART. NO.

K106A/..



ART. NO.

K107 A/..

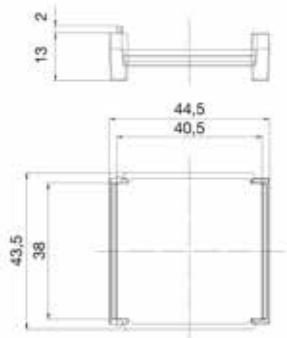


VOICE AND DATA PLATES

90° POSITIONER

ART. NO.

K66



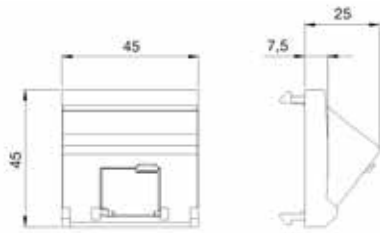
Dimensions in mm



ANGLED PLATES

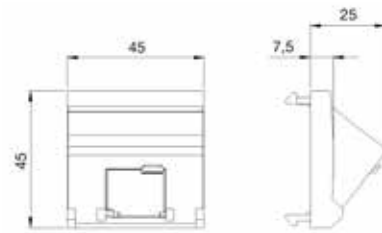
ART. NO.

K80XX/.. , K80/..



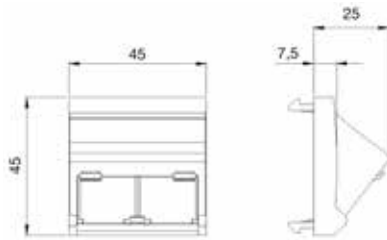
ART. NO.

K080XX/.. , K080/..



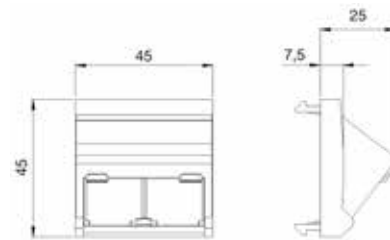
ART. NO.

KB80XX/.. , KB80/..



ART. NO.

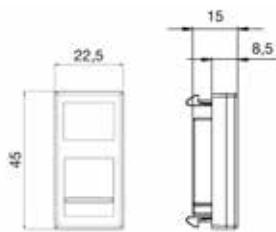
KB080XX/.. , KB080/..



FLAT PLATES

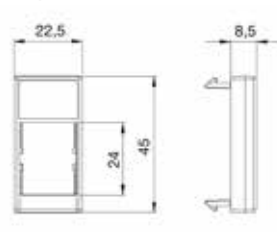
ART. NO.

KAXX/..



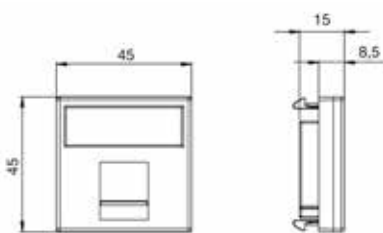
ART. NO.

K281/.. , KA045/..



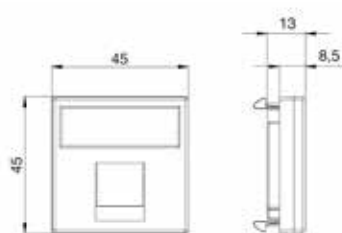
ART. NO.

KXX/..



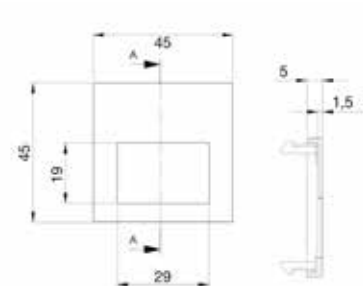
ART. NO.

K0XX/..



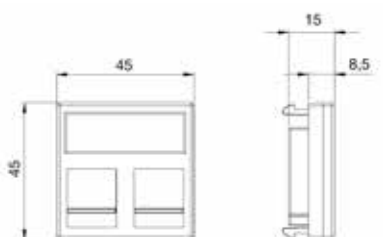
ART. NO.

KB72/..



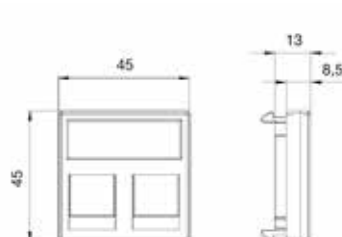
ART. NO.

KBXX/..



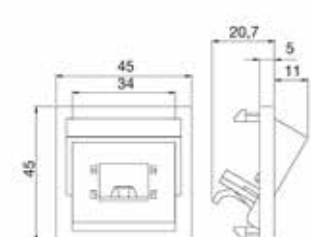
ART. NO.

KB0XX/..



ART. NO.

K054/..

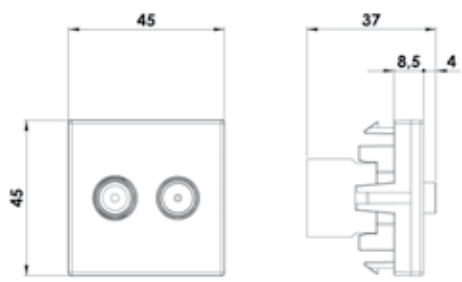




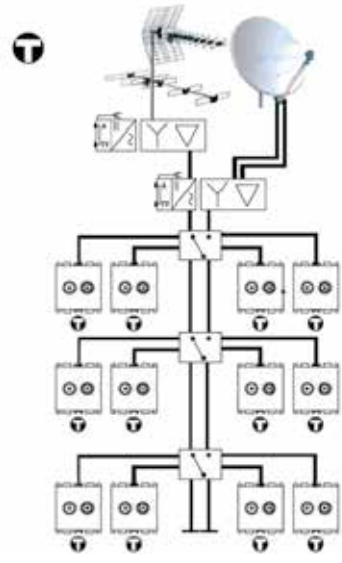
TV-SAT SOCKETS AND PLATES

ART.NO.
K130A/..

Example TV-SAT installation on a branch



Single outlet



Single socket TV-SAT 5-2400 MHz Direct, consisting of:

- 1 IEC type male TV connector, Ø9.5 mm
- 1 type F female SAT connector

Technical features:

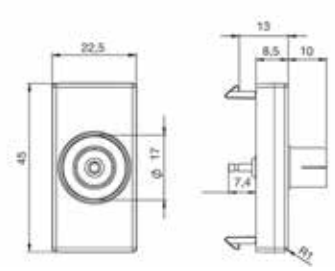
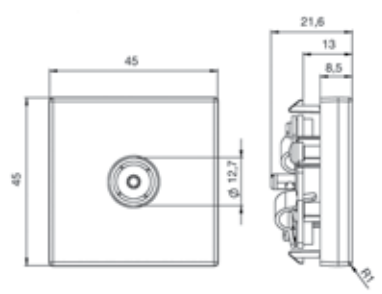
- Connection attenuation = 2 dB
- Maximum current pass = 24 V 500 mA (*)
- Cable diameter accepted = 4 - 7 mm
- Operating temperature range = 10 - 55 °C
- According to general standard EN 50083-4
- Male connector according to IEC 61169-2
- Female connector according to IEC 61169-24

Several typesLoss		Branching loss	
TV	SAT	TV	SAT
47 - 862 MHz	950 - 2400 MHz	47 - 862 MHz	950 - 2400 MHz
-	-	= 2	= 2

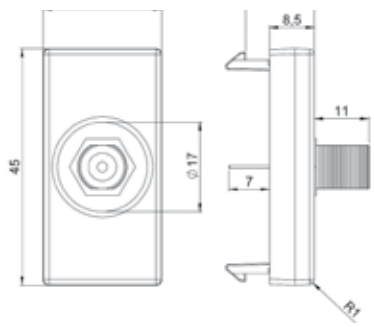
(*) Passage of direct current and control signals (24 V 500 mA maximum) is permitted only through the female F connector (SAT).

ART.NO.
K120A/..

ART.NO.
K120B/..



ART.NO.
K102C/..



Dimensions in mm

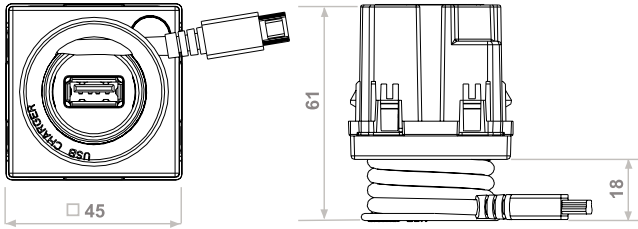


MULTIMEDIA CONNECTORS

SCREW-TERMINAL CONNECTION SYSTEM

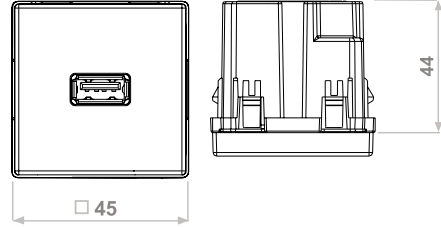
ART. NO.

K126A/..



ART. NO.

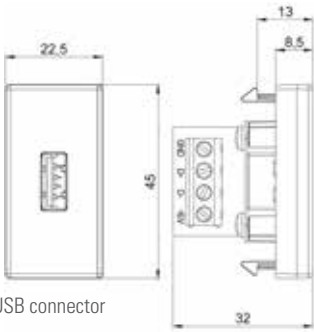
K126B/..



$V_{in} = 100 - 240 V$	50 - 60 Hz	150 - 75 mA
$V_{out} = 5 V$	-----	1,5A

ART. NO.

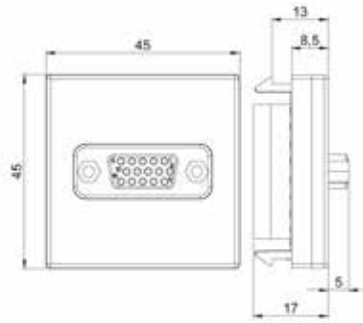
K128B/..



Type A USB connector

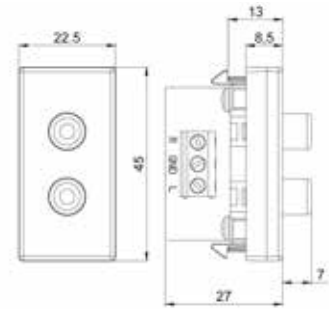
ART. NO.

K100B/..



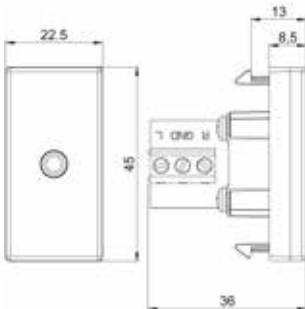
ART. NO.

K101B/..



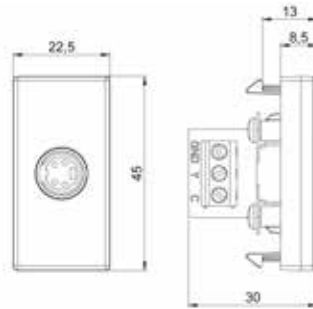
ART. NO.

K123B/..



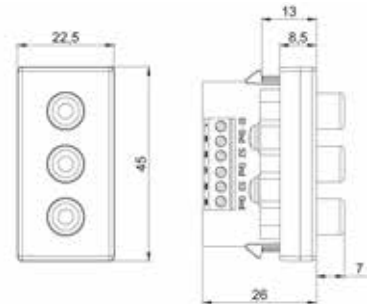
ART. NO.

K103B/..



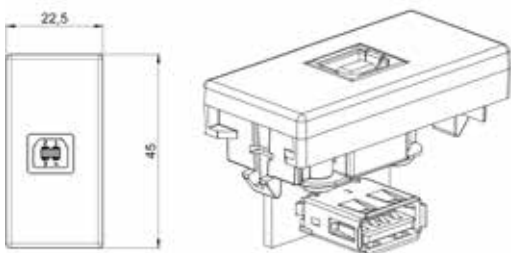
ART. NO.

K105B/..



ART. NO.

K131B/..





Connector	Cable type	Cable composition	Features	Max. recommended distance:
Type A HDMI	Category 1	Standard HDMI patch cord 28 AWG (consisting of 19 wires)	Transmission of video at 720p or 1080i	5 metres
	Category 2	High speed HDMI patch cord 24 AWG (consisting of 19 wires)	Transmission of video at 1080p and higher	12 metres
USB 2.0	Low Speed	Patch cord/Lead with 4 cables + mesh shielding	Transmission speed: 10 kb/s - 1.5 Mb/s	5 metres
	High Speed		Transmission speed: 25 - 480 Mb/s	2.2 metres
2 RCA	Coaxial cable	Patch cord/Lead with 2 coaxial cables	Stereo audio with frequency range of 0 - 100 MHz	30 metres
Mini-Jack	Mini-Jack cable	Patch cord/Lead with 2 coaxial cables + mesh shielding	Stereo audio with frequency range of 0 - 100 MHz	30 metres
S-Video	S-Video cable	Patch cord/Lead with 2 coaxial cables + mesh shielding	Transmission of video at 480p or 576i	30 metres
VGA 15HD	VGA 15HD cable	Patch cord/Lead with 3 coaxial cables + 7 cables + mesh shielding	Transmission of video at 640 x 480 (480p)	30 metres
3 RCA	3 RCA cable	Patch cord/Lead with 3 coaxial cables	Transmission of video at 480p and stereo audio	20 metres

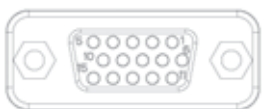
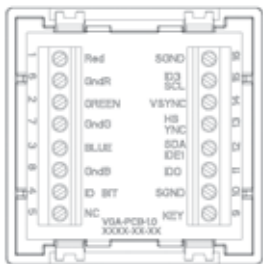
In installations requiring longer cabling, consult your dealer.

COMPLEMENTARY INFORMATION ON MULTIMEDIA CONNECTORS.
SCREW-TERMINAL CONNECTION SYSTEM

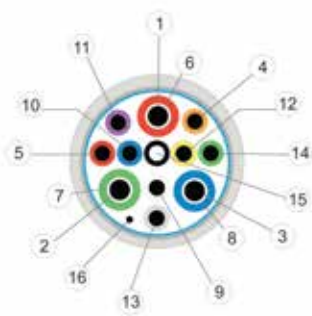
VGA CONNECTOR

ART. NO.

K100B/..



Pin No.	PCB engraving	Description	Cable colour
1	Red	Red video signal (coaxial)	Red
2	Green	Green video signal (coaxial)	Green
3	Blue	Blue video signal (coaxial)	Blue
4	ID BIT	Monitor ID bit 2	Orange
5	NC	Horizontal sync earth contact	Blue
6	GndR	Red video earth (coaxial shield)	Red
7	GndG	Green video earth (coaxial shield)	Green
8	GndB	Blue video earth (coaxial shield)	Blue
9	Key	No contact/Optional +5 V output	White
10	SGnd	Vertical sync earth contact	Blue
11	ID0	Monitor ID bit 0 (reserved)	Brown
12	SDA/IDE1	SDA (I ² C data)/Monitor ID Bit 1 (reserved)	Amarillo (Yellow)
13	HSync	Horizontal sync	Grey
14	VSync	Vertical sync	Green
15	ID3/SCL	SCL (I ² C clock)/Monitor ID Bit 3 (reserved)	Black
16	SGnd	Earth (general)	White



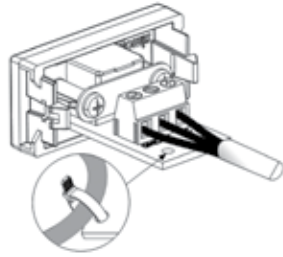
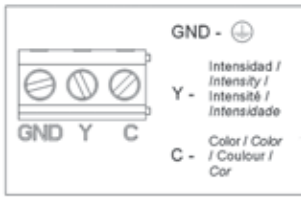
Dimensions in mm



S-VIDEO CONNECTOR

ART. NO.

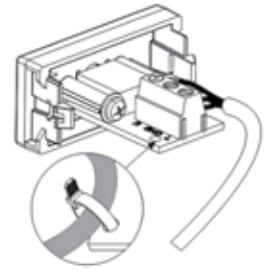
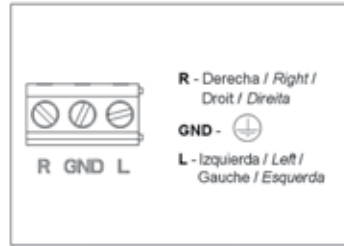
K103B/..



MINI-JACK CONNECTOR

ART. NO.

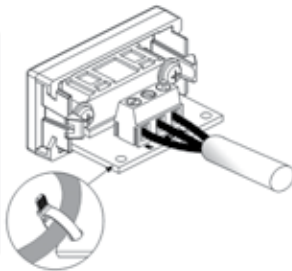
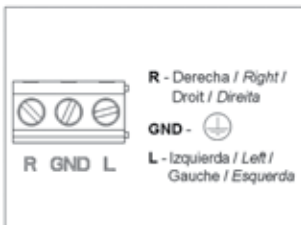
K123B/..



2 RCA CONNECTOR

ART. NO.

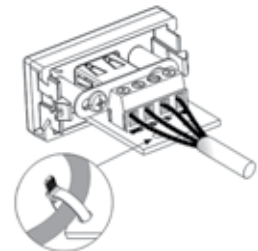
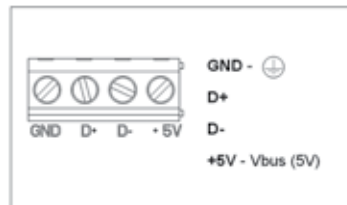
K101B/..



TYPE A USB CONNECTOR

ART. NO.

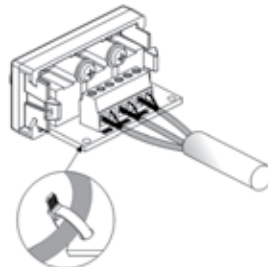
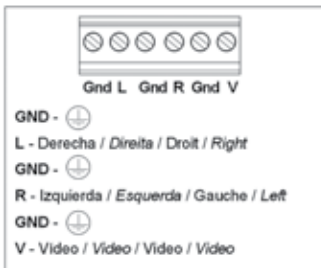
K128B/..



3 RCA CONNECTOR

ART. NO.

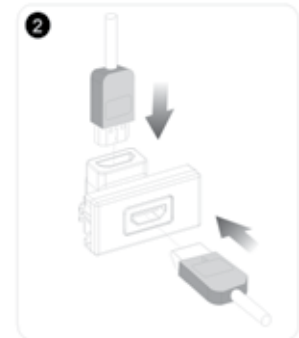
K105B/..



HDMI & TYPE B USB CONNECTOR

ART. NO.

K129B/.., K131B/9



EXAMPLES OF HDMI CONNECTOR INSTALLATION IN SIMON SERIES

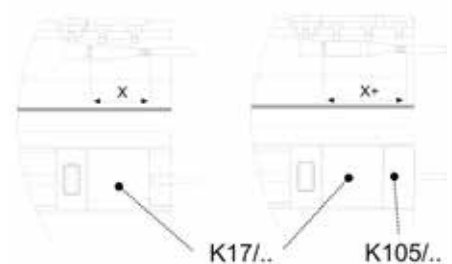
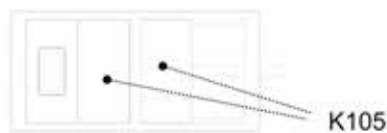
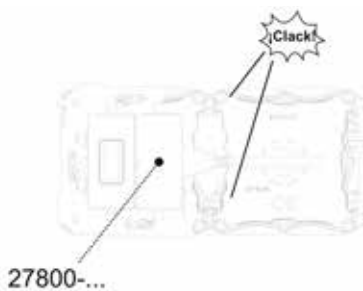
ART. NO.

K129B/..

Simon 27

500 CIMA

K45

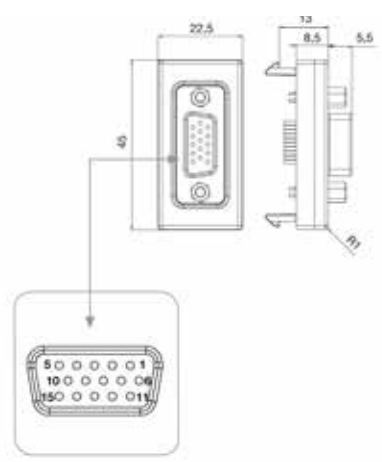




SOLDERED TERMINAL CONNECTION SYSTEM

ART. NO.

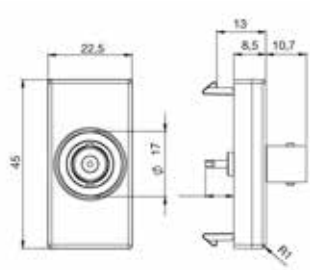
K100 A/..



Pin No.	Cable colour	Description
1	Red	Red video signal (coaxial)
2	Green	Green video signal (coaxial)
3	Blue	Blue video signal (coaxial)
4	Orange	Monitor ID bit 2 (reserved)
5	Blue	Horizontal sync earth contact
6	Red	Red video earth (coaxial shield)
7	Green	Green video earth (coaxial shield)
8	Blue	Blue video earth (coaxial shield)
9	White	No contact / Optional +5 V output
10	Blue	Vertical sync earth contact
11	Brown	Monitor ID bit 0 (reserved)
12	Amarillo (Yellow)	SDA (I ² C data) / Monitor ID Bit 1 (reserved)
13	Grey	Horizontal sync
14	Green	Vertical sync
15	Black	SCL (I ² C clock) / Monitor ID Bit 3 (reserved)

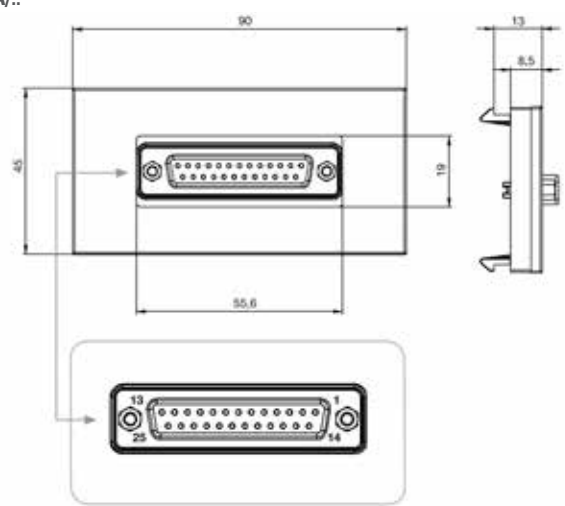
ART. NO.

K102D/..



ART. NO.

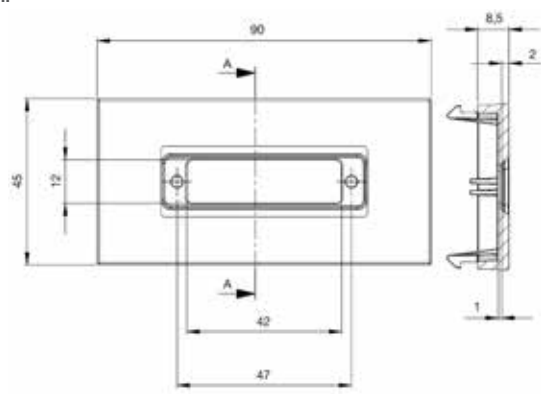
K104A/..



MULTIMEDIA PLATES WITHOUT CONNECTORS

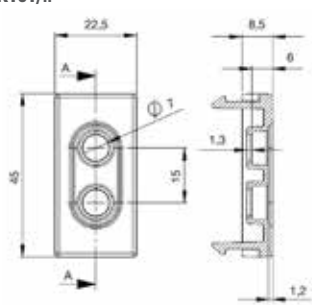
ART. NO.

K104/..



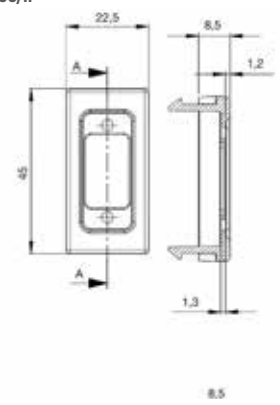
ART. NO.

K101/..



ART. NO.

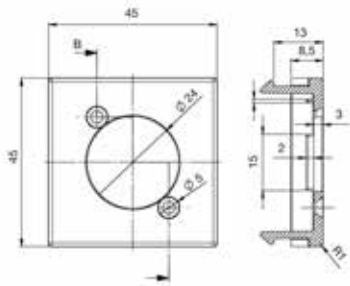
K100/..



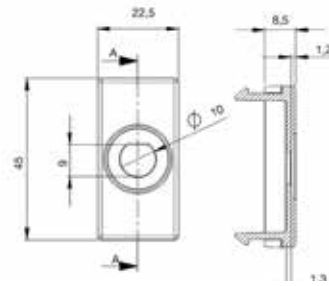
Dimensions in mm



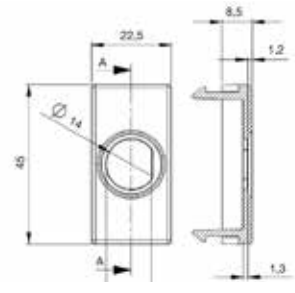
ART. NO.
K122/..



ART. NO.
K102/..

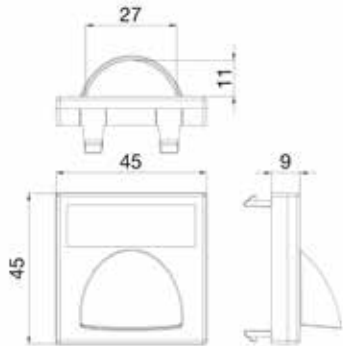


ART. NO.
K103/..

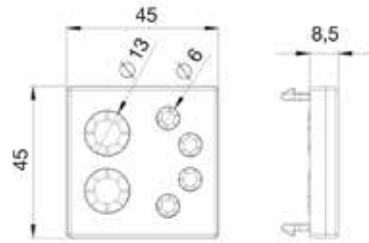


PLATES FOR CABLE MANAGEMENT

ART. NO.
K10/..

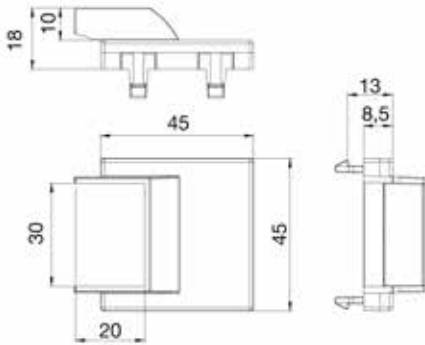


ART. NO.
K20/..

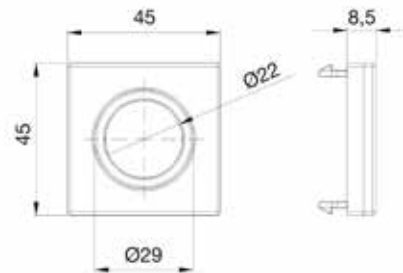


Cable cross-section: 2005 mm²

ART. NO.
K21/..

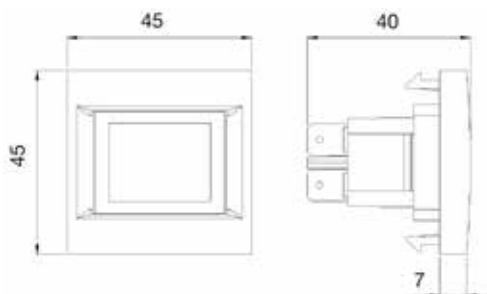


ART. NO.
K19/..



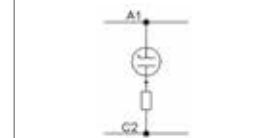
SIGNALLING AND BEACONING PLATES

ART. NO.
KL05/..



Wiring diagram

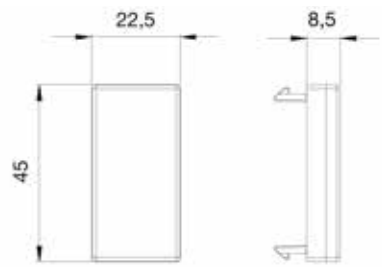
Art. No. KL05/..



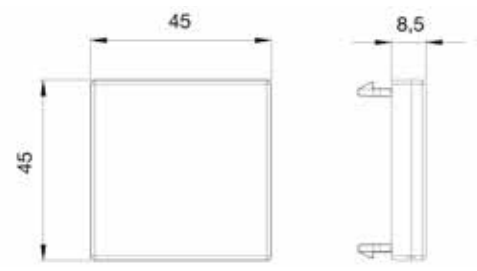


BLIND PLATES

ART.NO.
K105/..

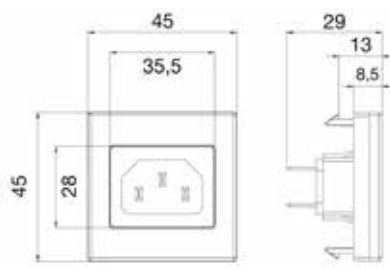


ART.NO.
K17/..

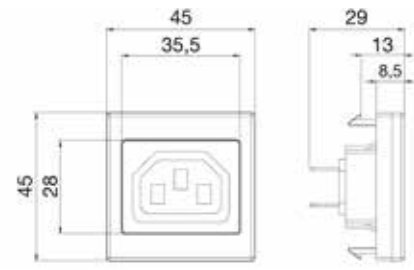


QUICK-CONNECT CONNECTORS AND PLATES

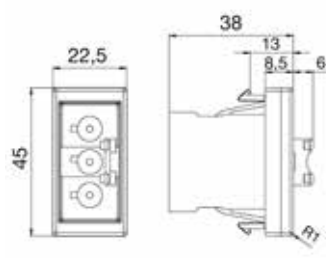
ART.NO.
K305A/..



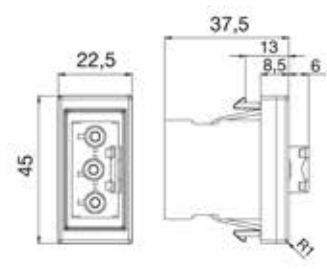
ART.NO.
K306A/..



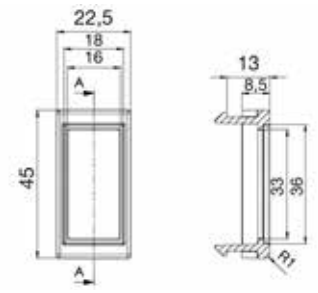
ART.NO.
K121A/..



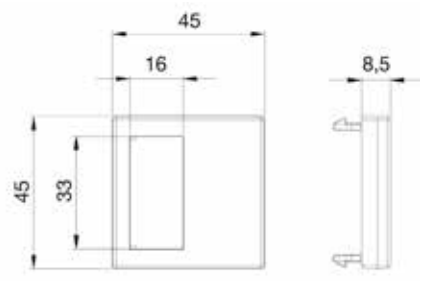
ART.NO.
K121B/..



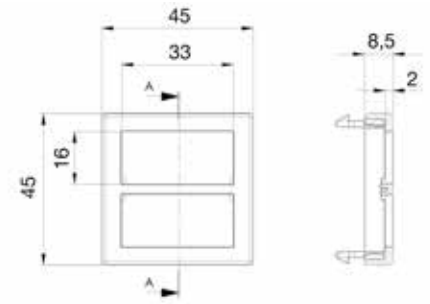
ART.NO.
K121/..



ART.NO.
K18/..



ART.NO.
KB18/..



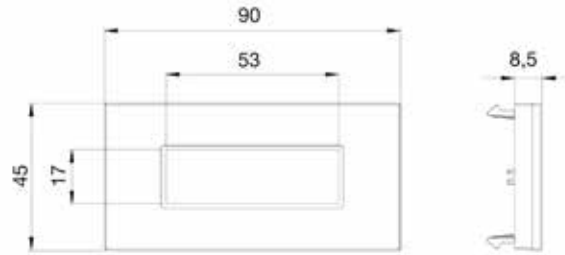
For quick-connect connectors with 1.5- to 2-mm thick fastening clip

Dimensions in mm



ART. NO.

K18 W5/..



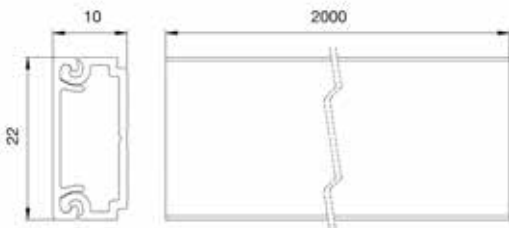
PVC MINI-TRUNKING

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-50085 standard.
- Complies with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations"
- Product with CE marking **CE**.
- IP protection degree: 4X
- Impact rating: IK07
- Manufactured using thermoplastic material, guaranteeing no flame spread in case of fire.

ART. NO.

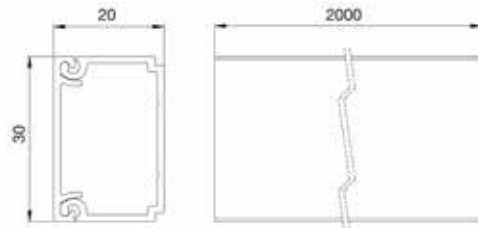
TM1022/9 10 x 22 mm, 1 compartment

TM1022 A/9 10 x 22 mm with adhesive, 1 compartment



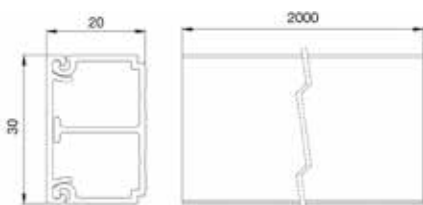
ART. NO.

TM12021/9 20 x 30 mm, 1 compartment



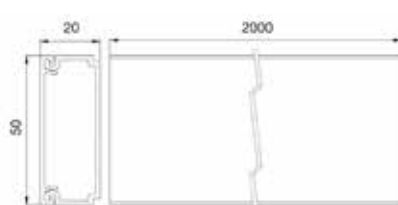
ART. NO.

TM12022/9 20 x 30 mm, 2 compartments



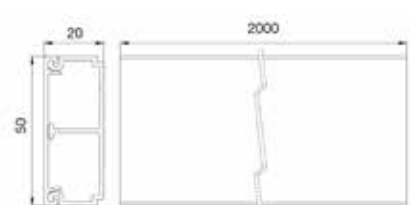
ART. NO.

TM12031/9 20 x 50 mm, 1 compartment



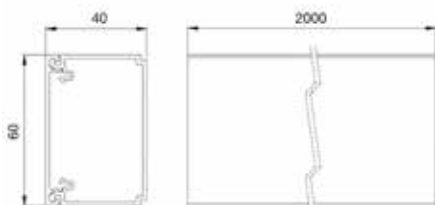
ART. NO.

TM12032/9 20 x 50 mm, 2 compartments



ART. NO.

TM12051/9 40 x 60 mm, 1 compartment



ART. NO.

TM12052/9 40 x 60 mm, 2 compartments

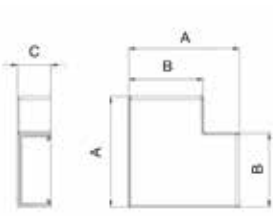




PVC MINI-TRUNKING ACCESSORIES

FLAT ANGLE, 90°

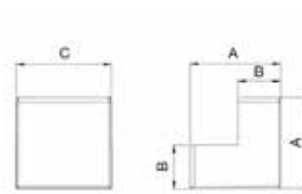
ART.NO.

TMA10120X/9

Mini-trunking model	A	B	C
10x22	36	24	11
20x30	47	33	21
20x50	76	54	21
40x60	90	64	42

EXTERNAL ANGLE

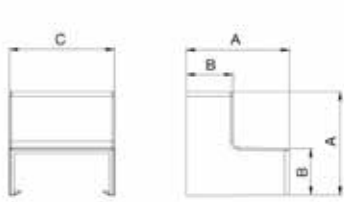
ART.NO.

TMA10220X/9

Mini-trunking model	A	B	C
10x22	23	11	24
20x30	35	21	33
20x50	40	21	53
40x60	68	42	64

INTERNAL ANGLE

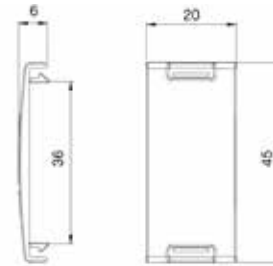
ART.NO.

TMA10320X/9

Mini-trunking model	A	B	C
10x22	24	11	24
20x30	35	21	33
20x50	47	21	54
40x60	67	42	64

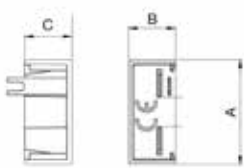
CABLE RETAINER

ART.NO.

TMA107205/9

END COVER

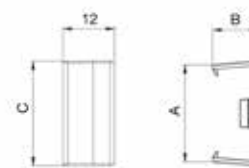
ART.NO.

TMA10420X/9

Mini-trunking model	A	B	C
10x22	24	11	11
20x30	32	21	12
20x50	53	21	11
40x60	64	42	14

SPLICE COVER

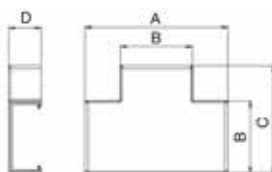
ART.NO.

TMA10520X/9

Mini-trunking model	A	B	C
10x22	23	11	24
20x30	29	21	33
20x50	50	21	53
40x60	57	41	64

T-BRANCHING

ART.NO.

TMA10620X/9

Mini-trunking model	A	B	C	D
10x22	48	24	36	11
20x30	61	33	47	21
20x50	98	54	53	21
40x60	116	64	90	42

Dimensions in mm

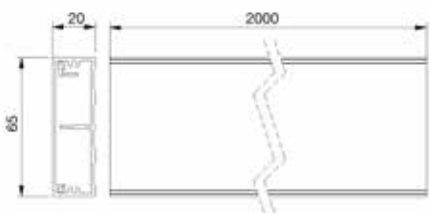


ALUMINIUM MINI-TRUNKING

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-50085 standard.
- Complies with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations"
- Product with CE marking **CE**.
- IP protection degree: 4X
- Impact rating: IK07
- Profiles manufactured using anodised aluminium and thermoplastic accessories painted in aluminium

ART. NO.

TM21042/8 65 x 20 mm, 2 compartments



ART. NO.

TM21061/8 65 x 40 mm, 1 compartment

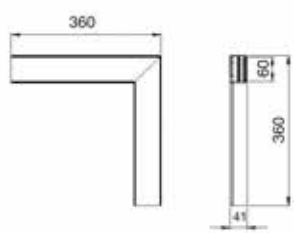


ALUMINIUM MINI-TRUNKING ACCESSORIES

FLAT ANGLE, 90°

ART. NO.

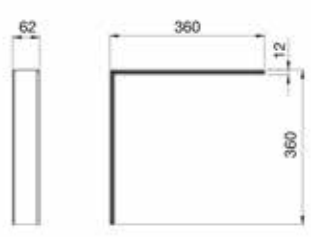
TMA201106/8



EXTERNAL ANGLE, 90°

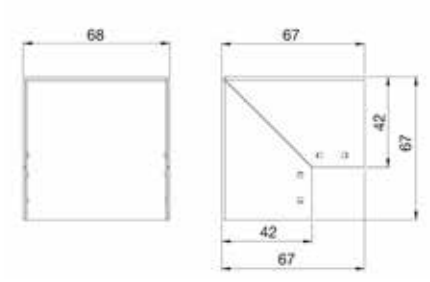
ART. NO.

TMA202104/8 65 x 20 mm



ART. NO.

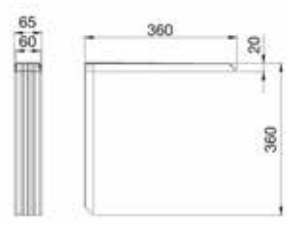
TMA202406/24 65 x 40 mm



INTERNAL ANGLE, 90°

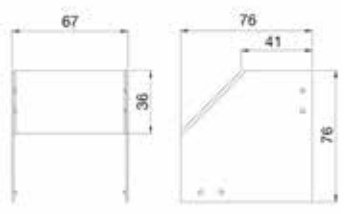
ART. NO.

TMA203104/8 65 x 20 mm



ART. NO.

TMA203406/24 65 x 40 mm

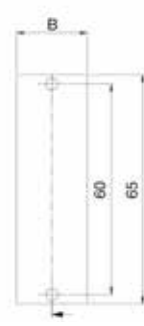


ART. NO.

TMA204404/8 65 x 20 mm



TMA204106/8 65 x 40 mm



Art. No.	B
TMA204106/8	20
TMA204106/8	40



PLATE FOR ELECTROBANDA FRENCH SOCKET

ART. NO.

TMA07/8

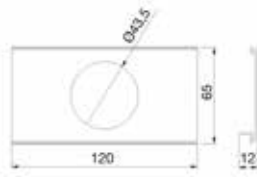
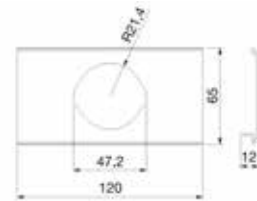


PLATE FOR ELECTROBANDA GERMAN SOCKET

ART. NO.

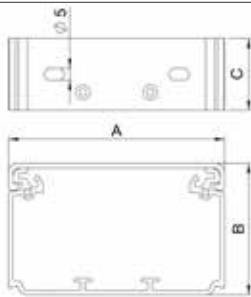
TMA08/8



PVC WIRING DISTRIBUTION TRUNKING

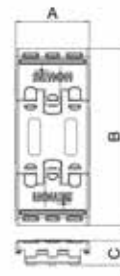
- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-50085 standard.
- Complies with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations"
- Product with CE marking **CE**
- IP protection degree: 4X
- Impact rating: IK07
- Manufactured using thermoplastic material, guaranteeing no flame spread in case of fire.

TRUNKING



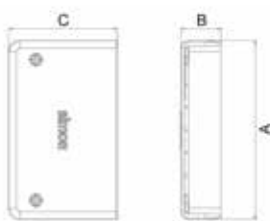
Art. No.	A	B	C
TS9055/9	90	55	2000
TS13055/9	130	55	2000
TS16055/9	160	55	2000
TS18555/9	185	55	2000

CABLE RETAINER



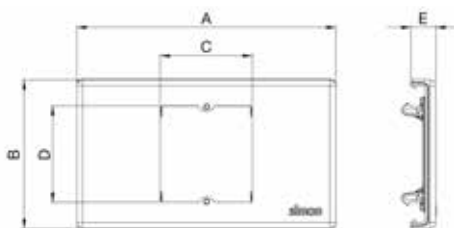
Art. No.	A	B	C
TSA905501	30.5	73	10.1
TSA1305501	30.5	113	10.1
TSA1605501	30.5	143	10.1
TSA1855501	30.5	168	10.1

END COVER



Art. No.	A	B	C
TSA905502/9	94	21	57
TSA1305502/9	134	21	57
TSA1605502/9	164	21	57
TSA1805502/9	185	21	57

FRAME AND FRAME-HOLDER TO ADAPT SOLUTIONS BASED ON SIMON UNIVERSAL MECHANISMS

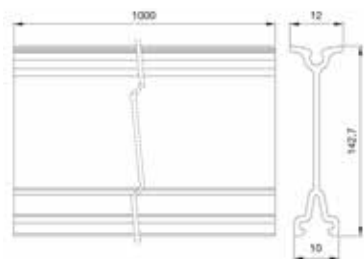


Art. No.	A	B	C	D	E
TSA905503/9	163.35	93.95	58	61	16.28
TSA1305503/9	163.35	133.95	58	61	16.28
TSA1605503/9	163.35	163.95	58	61	16.28

Dimensions in mm

PVC WIRING DISTRIBUTION TRUNKING ACCESSORIES
INTERNAL SEPARATOR
COUPLING PIN

ART. NO.

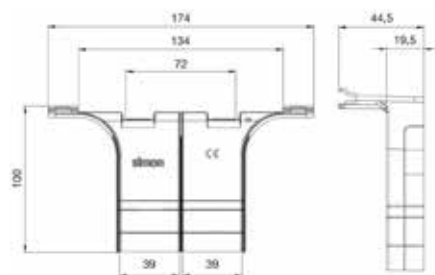
TSA001


ART. NO.

TSA002

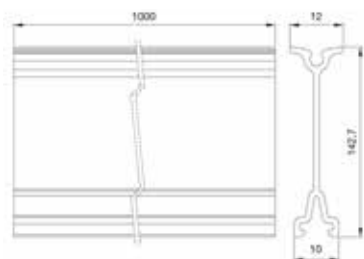
CABLE DIVERTER

ART. NO.

TSA003

ALUMINIUM WIRING DISTRIBUTION TRUNKING

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-50085 standard.
- Complies with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations"
- Product with CE marking **CE**.
- IP protection degree: 4X
- Impact rating: IK07
- Profiles manufactured using anodised aluminium and thermoplastic accessories painted in aluminium

ART. NO.

TS9055/8 90 x 55 mm


ART. NO.

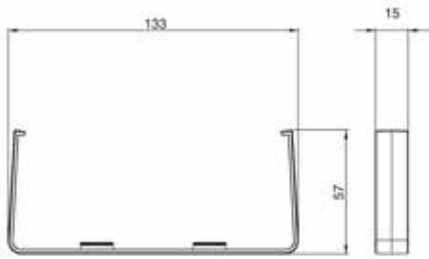
TS13055/8 130 x 55 mm




SPLICE COVER

ART.NO.

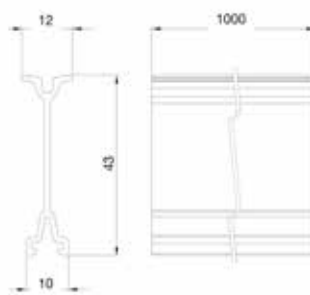
TKA1305508/8



INTERNAL SEPARATOR

ART.NO.

TSA001



COUPLING PIN

ART.NO.

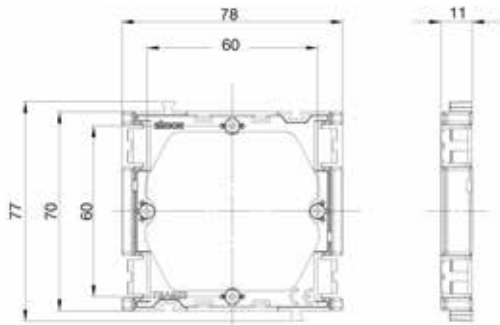
TSA002



ADAPTER FOR SOLUTIONS BASED ON SIMON UNIVERSAL MECHANISMS

ART.NO.

TSA007



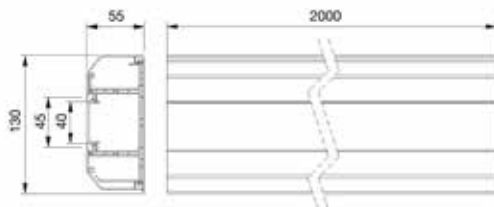
Consult other accessories on page 591

K45 CABLOMAX PVC AND ALUMINIUM TRUNKING

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-50085 standard.
- Complies with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations"
- Product with CE marking **CE**
- IP protection degree: 4X
- Trunking manufactured using thermoplastic material and/or anodised aluminium, guaranteeing no flame spread in case of fire.
- Accessories manufactured using thermoplastic material in white or painted in aluminium

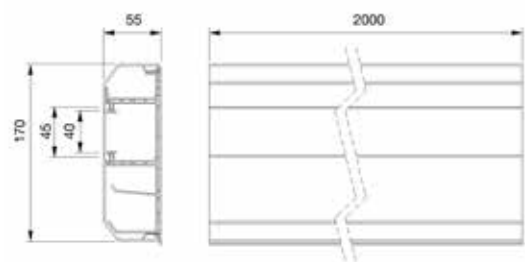
ART.NO.

TK02103/9 - TK01103/8 130x55 mm



ART.NO.

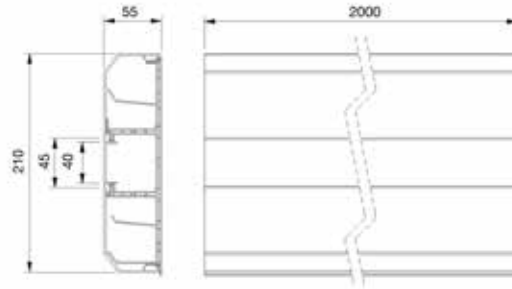
TK02133/9 - TK01133/8 170x55 mm



ART.NO.

Dimensions in mm

TK02163/9 - TK01163/8 210 x 55 mm



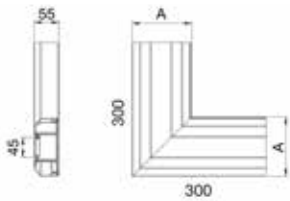
K45 CABLOMAX PVC AND ALUMINIUM TRUNKING ACCESSORIES

ASCENDING FLAT ANGLE, 90°

DESCENDING FLAT ANGLE, 90°

ART. NO.

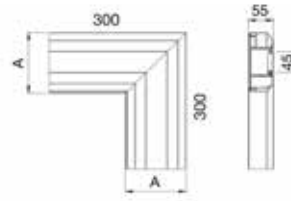
TKA01121X/9 - TKA01111X/8



Trunking model	A
130x55	134
170x55	174
210x55	213

ART. NO.

TKA02121X/9 - TKA02111X/8



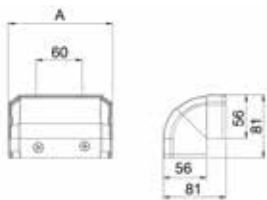
Trunking model	A
130x55	134
170x55	174
210x55	213

VARIABLE EXTERNAL ANGLE

VARIABLE INTERNAL ANGLE

ART. NO.

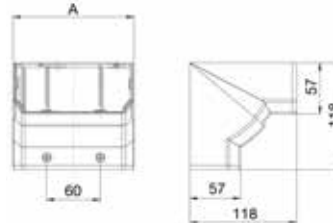
TKA00221X/..



Trunking model	A
130x55	134
170x55	173
210x55	214

ART. NO.

TKA00321X/..

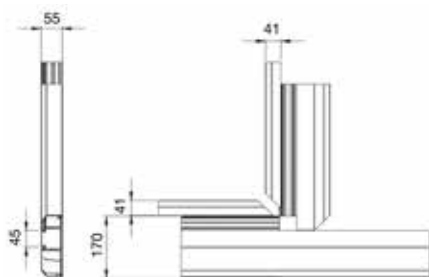


Trunking model	A
130x55	134
170x55	174
210x55	214

T-BRANCHING

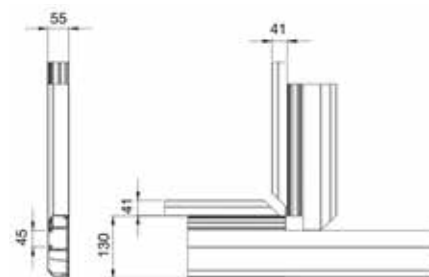
ART. NO.

TKA0062/9 130 x 55 mm and 170 x 55 mm



ART. NO.

TKA0061/8 130 x 55 mm and 170 x 55 mm

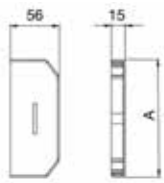




END COVER

ART. NO.

TKA00421X/..



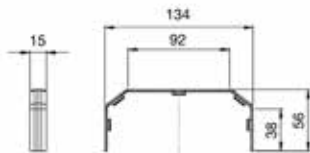
Trunking model	A
130x55	134
170x55	174
210x55	214

K45 CABLOMAX PVC AND ALUMINIUM TRUNKING ACCESSORIES

SPLICE COVER

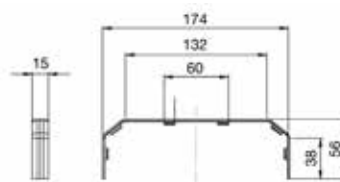
ART. NO.

TKA0052110/.. 130 x 55 mm



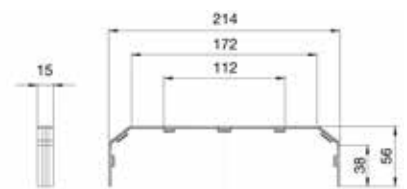
ART. NO.

TKA0052113/.. 170 x 55 mm



ART. NO.

TKA0052116/.. 210 x 55 mm

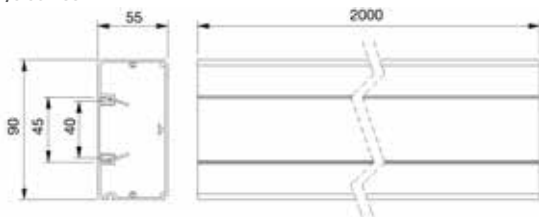


K45 PVC TRUNKING

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-50085 standard.
- Complies with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations"
- Product with CE marking **CE**
- IP protection degree: 4X
- Impact rating: IK07
- Manufactured using thermoplastic material, guaranteeing no flame spread in case of fire.

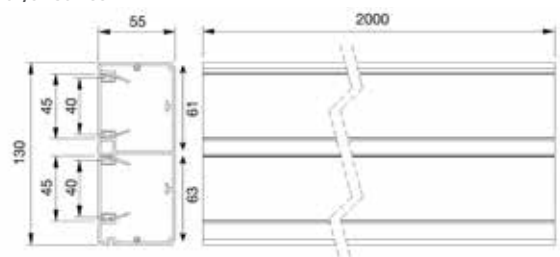
ART. NO.

TK12081/9 90 x 55 mm



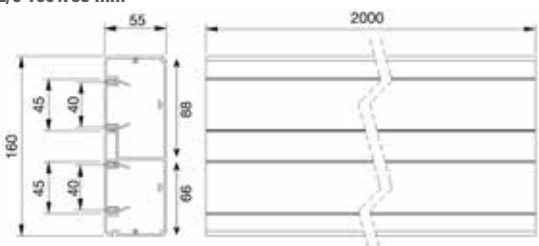
ART. NO.

TK12102/9 130 x 55 mm



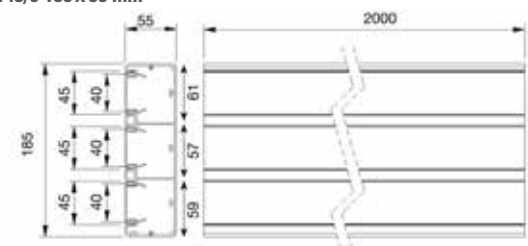
ART. NO.

TK12122/9 160 x 55 mm



ART. NO.

TK12143/9 185 x 55 mm



Dimensions in mm

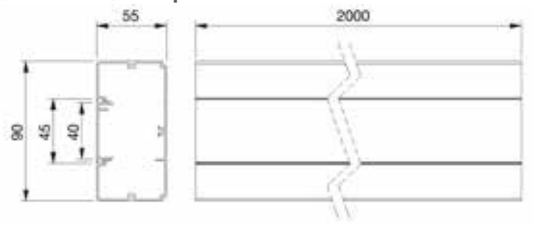


K45 ALUMINIUM TRUNKING

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-50085 standard.
- Complies with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations"
- Product with CE marking **CE**
- IP protection degree: 4X
- Profiles manufactured using anodised aluminium and thermoplastic accessories painted in aluminium

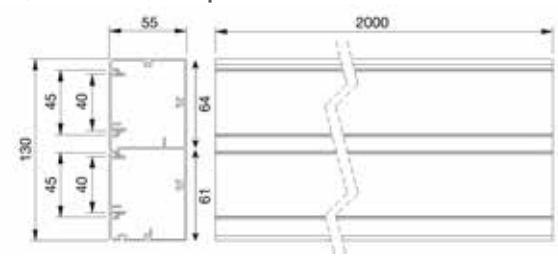
ART. NO.

TK11081/8 90 x 55 mm, 1 compartment



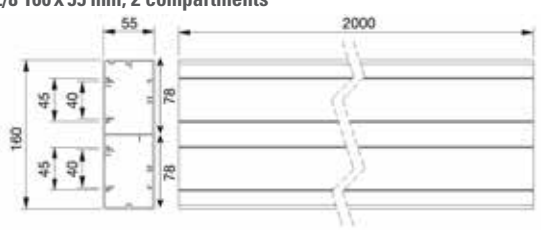
ART. NO.

TK11102/8 130 x 55 mm, 2 compartments



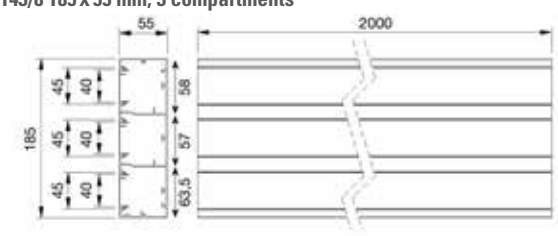
ART. NO.

TK11122/8 160 x 55 mm, 2 compartments



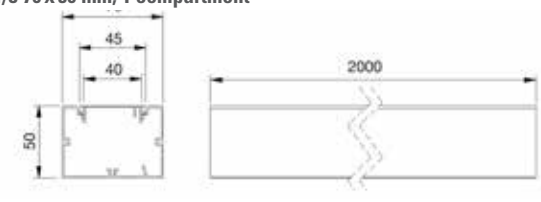
ART. NO.

TK11143/8 185 x 55 mm, 3 compartments



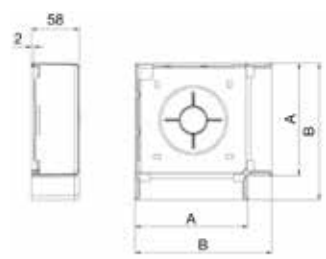
ART. NO.

TK11071/8 70 x 50 mm, 1 compartment



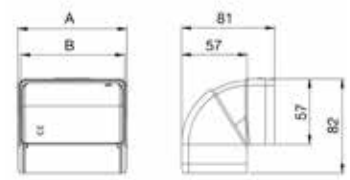
K45 PVC AND ALUMINIUM TRUNKING COMMON ACCESSORIES

FLAT ANGLE, 90°



Trunking model	A	B
90 x 55	95	123
130 x 55	134	163
160 x 55	164	195
185 x 55	190	219

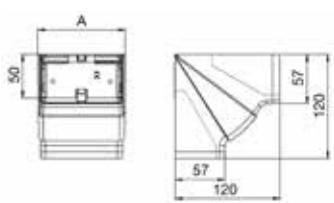
VARIABLE EXTERNAL ANGLE



Trunking model	A	B
90 x 55	95	90
130 x 55	136	130
160 x 55	164	160
185 x 55	187	185

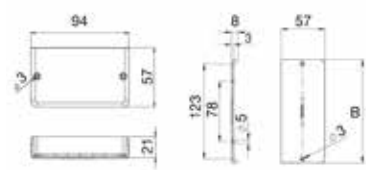


VARIABLE INTERNAL ANGLE



Trunking model	A
90x55	94
130x55	134
160x55	168
185x55	189

END COVER

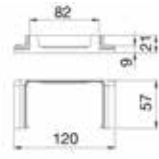


Trunking model	B
90x55	94
130x55	134
160x55	163
185x55	188

T-BRANCHING

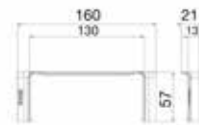
ART. NO.

TKA106208/.. to 90x55 mm



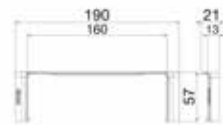
ART. NO.

TKA106210/.. to 130x55 mm



ART. NO.

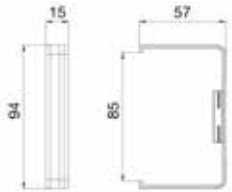
TKA106212/.. to 160x55 mm



SPLICE COVER

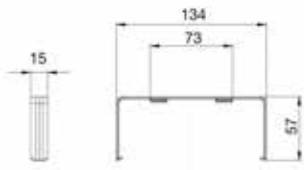
ART. NO.

TKA105208/.. 90x55 mm



ART. NO.

TKA1305508/.. 130x55 mm



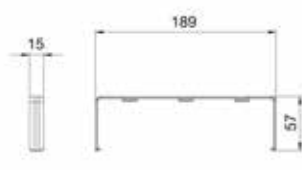
ART. NO.

TKA105212/.. 160x55 mm



ART. NO.

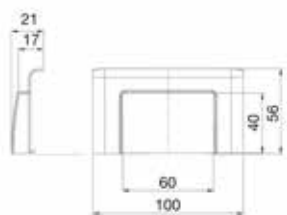
TKA105214/.. 185x55 mm



MINI-TRUNKING BRANCHING

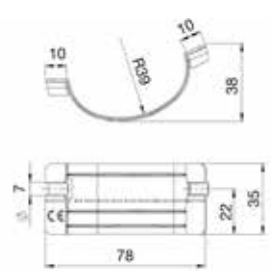
ART. NO.

TKA107/9



ART. NO.

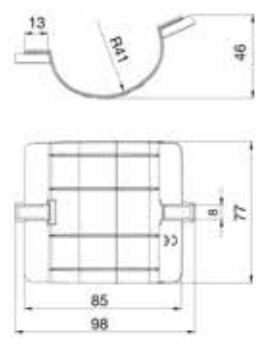
TKA108



EXTERNAL BENDING RADIUS

ART. NO.

TKA109



Dimensions in mm

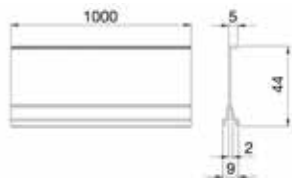


FUNCTIONAL ACCESSORIES

INTERNAL SEPARATOR

ART. NO.

TKA902



TRUNKING COUPLING PIN

ART. NO.

TKA903



FASTON EARTH CONNECTION CABLE

ART. NO.

TKA904



K45 70x50 MM TRUNKING ACCESSORIES

FLAT ANGLE, 90° AND BRANCHING

ART. NO.

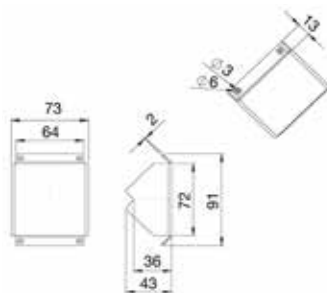
TKA101307/8



FIXED EXTERNAL ANGLE

ART. NO.

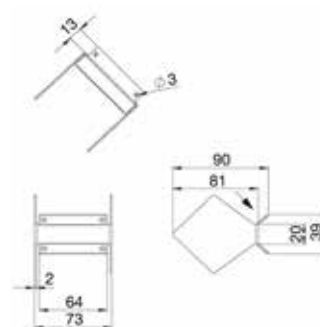
TKA102307/8



FIXED INTERNAL ANGLE

ART. NO.

TKA103307/8



END COVER

ART. NO.

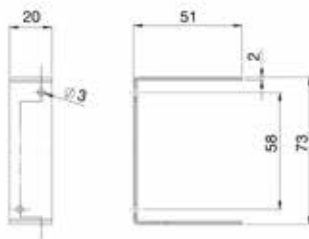
TKA104307/8 - TKA104207/24 (plastic)



SPLICE COVER

ART. NO.

TKA105307/8





ANODISED ALUMINIUM FLOOR TRUNKING (DCS SYSTEM)

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-50085 standard.
- Complies with Spanish ICT regulations according to Royal Decree 401/2003, section 8, "Safety requirements between installations"
- Product with CE marking **CE**
- IP protection degree: 4X
- Impact rating: IK08 – IK10, (depending on art.no.).
- Profiles manufactured using anodised aluminium

ART. NO.

TF11172/8 85 x 18 mm, 2 compartments



ART. NO.

TF21172/8 85 x 18 mm, 2 compartments



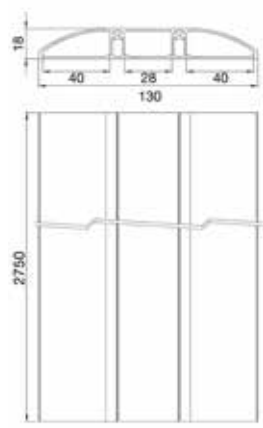
ART. NO.

TF11183/8 130 x 18 mm, 3 compartments



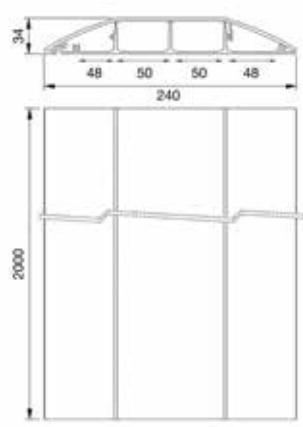
ART. NO.

TF21183/8 130 x 18 mm, 3 compartments



ART. NO.

TF11193/8 240 x 34 mm, 4 compartments



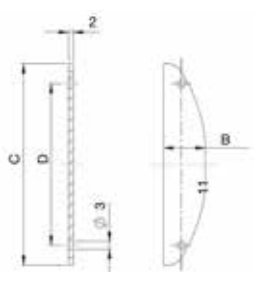
Art. No.	Maximum load per unit area (kg/cm ²)	IK
TF11172/8	45	IK08
TF21172/8	65	IK10
TF11183/8	55	IK07
TF21183/8	75	IK08
TF11193/8	100	IK10

FLOOR TRUNKING ACCESSORIES (DCS SYSTEM)

END COVER

ART. NO.

TFA90441X/8



Trunking model	B	C	D
85 x 18	18	85	68
130 x 18	18	128	37
240 x 34	34	219	109

Dimensions in mm

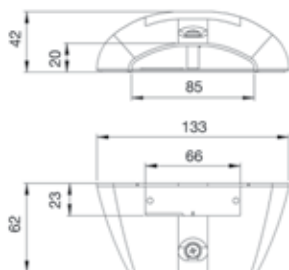


FLOOR TRUNKING BRANCHING TO PERIMETER TRUNKING

ART. NO.

TFA965417/8

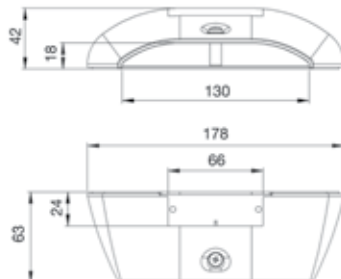
From 85 x 18 mm floor trunking to 65 x 20 mm mini-trunking



ART. NO.

TFA965418/8

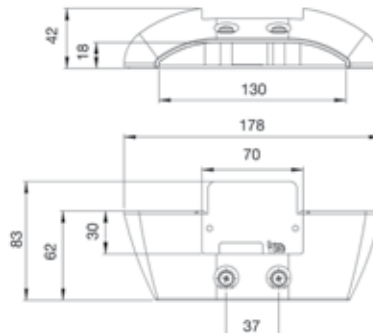
From 130 x 18 mm floor trunking to 65 x 20 mm mini-trunking



ART. NO.

TFA970418/8

From 130 x 18 mm floor trunking to 70 x 50 mm mini-trunking



RATIO OF USEFUL AREA PER COMPARTMENT FOR SIMON TRUNKING RANGE

	Art. No.	External trunking dimensions	Useful area diagram	Useful area per compartment/total (mm ²)					
				Comp. 1	Comp. 2	Comp. 3	Comp. 4	Comp. 5	Comp. 6
PVC MINI-TRUNKING	TM1022/9 and TM1022 A/9	10x22		105	-	-	-	-	-
	TM12021/9	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	-	-	-	-
ALUMINIUM MINI-TRUNKING	TM21042/8	65x20		410.5	371.5	-	-	-	-
	TM21061/8	65x40		1875	-	-	-	-	-
				748.5	-	-	-	-	-

- With separator
- With mechanisms



RATIO OF USEFUL AREA PER COMPARTMENT FOR SIMON TRUNKING RANGE

	Art. No.	External trunking dimensions	Useful area diagram	Useful area per compartment/total (mm ²)					
				Comp. 1	Comp. 2	Comp. 3	Comp. 4	Comp. 5	Comp. 6
PVC WIRING DISTRIBUTION TRUNKING	TS9055/9	90 x 55		3382	-	-	-	-	-
				1009	1062	1025	-	-	-
				2637	-	-	-	-	-
				1600	-	-	-	-	-
	TS13055/9	130 x 55		5223	-	-	-	-	-
				1280	986	988	1278	-	-
				4447	-	-	-	-	-
				1148	1148	-	-	-	-
	TS16055/9	160 x 55		6689	-	-	-	-	-
				2020	1001	1002	2021	-	-
				5220.7	-	-	-	-	-
				1842	1842	-	-	-	-
TS18555/9	185 x 55		7578	-	-	-	-	-	
			1317	1003	1003	1003	1003	1317	
ALUMINIUM WIRING DISTRIBUTION TRUNKING	TS9055/8	90 x 55		3768.5	-	-	-	-	-
				1238	1108	1214	-	-	-
				734	758	-	-	-	-
	TS13055/8	130 x 55		5590	-	-	-	-	-
				929	961	961	961	906	-
				1695	1713	-	-	-	-

- With separator
- With mechanisms

RATIO OF USEFUL AREA PER COMPARTMENT FOR SIMON TRUNKING RANGE

	Art. No.	External trunking dimensions	Useful area diagram	Useful area per compartment/total (mm ²)					
				Comp. 1	Comp. 2	Comp. 3	Comp. 4	Comp. 5	Comp. 6
K45 CABLOMAX PVC TRUNKING	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 CABLOMAX ALUMINIUM TRUNKING	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	-	-	-

- With separator
- With mechanisms



RATIO OF USEFUL AREA PER COMPARTMENT FOR SIMON TRUNKING RANGE

	Art. No.	External trunking dimensions	Useful area diagram	Useful area per compartment/total (mm ²)						
				Comp. 1	Comp. 2	Comp. 3	Comp. 4	Comp. 5	Comp. 6	
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	-	-	-	-	-	
ALUMINIUM FLOOR TRUNKING (DCS SYSTEM)	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	-	-	

- With separator
- With mechanisms



METHOD OF CALCULATING CABLE CAPACITY IN TRUNKING

PRACTICAL CALCULATION EXAMPLE

Requirements:

- Aluminium trunking
- 16 leads of 3x2.5 mm² in one compartment
- 35 Category 6 FTP RJ45 cables in another compartment

STEP 1 - OBTAIN THE UNIT CROSS-SECTION FOR EACH TYPE OF CABLE (SEE CROSS-SECTION TABLE ON FOLLOWING PAGES)

Which gives:

$$S_{ci} = \varnothing^2$$

$$S_{3x2.5} = 110 \text{ mm}^2$$

$$S_{\text{Cat6FTP}} = 55 \text{ mm}^2$$

Then multiply it by the amount and type required:

$$S_{3x2.5} 16 = 16 \times S_{3x2.5} = 16 \times 110 \text{ mm}^2 = \mathbf{1760 \text{ mm}^2}$$

$$S_{\text{Cat6FTP}} 35 = 35 \times S_{\text{Cat6FTP}} = 35 \times 55 \text{ mm}^2 = \mathbf{1925 \text{ mm}^2}$$

STEP 2 - OBTAIN THE TOTAL CROSS-SECTION PER COMPARTMENT

The fill factor (Ki) needs to be used, as installation and angles need to be taken into account.

The fill factor is **Ki = 1.3** for both the 3x2.5 mm² lead and the Cat. 6 FTP RJ45 cable

$$S_{3x2.5} \text{ total} = Ki \times S_{3x2.5} 16 = 1.3 \times 1760 \text{ mm}^2 = \mathbf{2288 \text{ mm}^2}$$

$$S_{\text{Cat.6FTP}} \text{ total} = Ki \times S_{\text{Cat.6FTP}} 35 = 1.3 \times 1925 \text{ mm}^2 = \mathbf{2502 \text{ mm}^2}$$

Moreover, the trunking has to maintain **30% of its capacity free** for possible expansions (**A = 1.3**).

Thus:

$$Sc1 = S_{3x2.5} \text{ total} \times A = 2288 \text{ mm}^2 \times 1.3 = \mathbf{2975 \text{ mm}^2}$$

$$Sc2 = S_{\text{Cat. 6FTP}} \text{ total} \times A = 2502 \text{ mm}^2 \times 1.3 = \mathbf{3253 \text{ mm}^2}$$

STEP 3 - SELECTING THE APPROPRIATE TRUNKING

The example indicates that the wiring distribution should be in aluminium trunking with 2 compartments.

On reviewing the "Ratio of useful area per compartment" capacity tables, it can be seen that the 160x55 mm K45 aluminium trunking meets the requirements:

Cross-section required in compartment 1: Sc1 = 2975 mm²

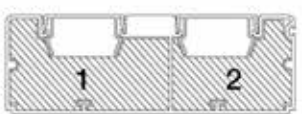
Cross-section available in compartment 1: Sc1 = 3314 mm²

Cross-section required in compartment 2: Sc2 = 3253 mm²

Cross-section available in compartment 2: Sc2 = 3739 mm²

$$S_{\text{comp1}} = \mathbf{3314 \text{ mm}^2}$$

$$S_{\text{comp2}} = \mathbf{3739 \text{ mm}^2}$$





CROSS-SECTIONS AND DIAMETERS OF THE MAIN TYPES OF CABLING RECOMMENDED IN THE SPANISH LOW VOLTAGE REGULATIONS (REBT)

EXAMPLES OF ELECTRICAL CABLING FOR DISTRIBUTION NETWORKS

No. of wires		1 conductor		2 conductors		3 conductors		4 conductors	
Type*	Nominal cross-section: (mm)	External Ø (mm)	Cross-section (mm ²)	External Ø (mm)	Cross-section (mm ²)	External Ø (mm)	Cross-section (mm ²)	External Ø (mm)	Cross-section (mm ²)
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	-	-	-	-	-	-

EXAMPLES OF ELECTRICAL CABLING IN INDOOR FACILITIES

Type*	Nominal cross-section: (mm)	External Ø (mm)	Cross-section (mm ²)
H07 V2-K	1x1.5	2.9	328
H07 V2-K	1x2.5	3.6	13
H07 V2-K	1x4	4.2	18
H07 V2-K	1x6	4.7	22
H07 V2-K	1x10	6.2	38
H07 V2-K	1x16	7.3	53
H07 V2-K	1x25	9.3	86
H07 V2-K	1x35	10.4	108
H07 V2-K	1x50	13.9	193
H07 V2-K	1x70	16	256
H07 V2-K	1x95	18.2	331

Type*	Nominal cross-section: (mm)	External Ø (mm)	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	3x0.75	7	49
H05 VV-F	3x1	7.5	56
H05 VV-F	3x1.5	8.8	77
H05 VV-F	3x2.5	10.5	110
H05 VV-F	3x4	11.9	142
H05 VV-F	4x0.75	7.5	56
H05 VV-F	4x1	8.3	69
H05 VV-F	4x1.5	9.4	88
H05 VV-F	4x2.5	11.3	128
H05 VV-F	4x4	13.1	172

* According to UNE nomenclature

Commonest examples of electrical and communications cabling.
Indicative data: The values shown may vary depending on the manufacturer.



CROSS-SECTIONS AND DIAMETER OF THE MAIN TYPES OF CABLING RECOMMENDED IN THE REBT

EXAMPLES OF COMMUNICATIONS CABLING

	External Ø (mm)	Cross-section (mm ²)
TELEPHONY *		
1 pair EV 0.51 mm	3.7	14
2 pairs EV 0.51 mm	4	16
DATA * (4 PAIRS)		
UTP Class D, Cat. 5e	5	25
UTP Class E, Cat. 6	6.3	40
FTP Class D, Cat. 5e	6.1	37
FTP Class E, Cat. 6	7.4	55
TELECOMMUNICATIONS *		
Coaxial 75 Ω	6.6	43.6

* According to UNE nomenclature

Commonest examples of communications cabling.
Indicative data: The values shown may vary depending on the manufacturer

ELECTROBLOCK PDU

- Specific dimensions for assembly in 19" racks. 1U high (44.45 mm)
- Design according to IEC 670 (UNE-20451) standard for enclosures and IEC 60297 for communications cabinets.
- Depending on the model, they have 16 A 2-pole MCBs and 2 m of 3x1.5 electrical cable with thermo-injected electrical plug.
- Temperature range during installation: -5 °C to +60 °C
- Maximum temperature during construction work of +60°.

ART. NO.

F1x1x - F2x1x



Art. No.				A	B
F1115	F1015	F2115	F2015	224	135
F1116	F1016	F2116	F2016	269	90
F1118	F1018	F2118	F2018	359	0

ART. NO.

F1x0x - F2x0x



Art. No.				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

ART. NO.

Fxx26 - Fxx36

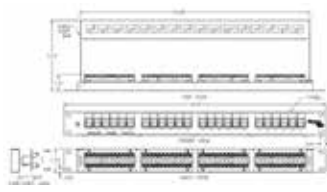


Art. No.					Description
F1126	F1026	F2126	F2026	F1126	10 A 2-pole MCB, curve C
F1136	F1036	F2136	F2036	F1136	30 mA RCCB, I max. 40 A



RJ45 VOICE & DATA PATCH PANELS

ART.NO.
CPX524X



- 1U-high panels for mounting on 19" rack with 24 RJ45 connectors of the selected category and type
- Manufactured in steel, without plastic frames, to guarantee exceptional rigidity and perfect security in fastenings.
- They support the following transmission protocols: 10G BASE-T Ethernet 1000 BASE-T Gigabit Ethernet, 100 Base-TX Fast Ethernet, 10 BASE-T Ethernet, Broadband Video, 155/622 Mbps ATM, 100 Mbps TP-PMD, 4/16 Mbps Token Ring, Voice and all applications developed to operate over category 5e cabling or lower category.
- The RJ45 connectors comply with all the margins specified by the following standards: EIA/TIA 568-B.2, EIA, TIA 568-B.2-1, IEC 60603-7, ISO/IEC 11801, UL-94 V0 and IEC 60297 (regulations concerning telecommunications cabinets)
- Cable retention in the 9N connector axial to the contact and 45N perpendicular to the contact.
- Temperature range from 0 °C/+50 °C during installation and 20 °C/+70 °C in operating state (fixed installation)
- No flame or fire propagation, manufactured using halogen-free materials that generate low smoke emission (IEC 60332-1/60332-3/IEC 60754-2/IEC 61034).

UTP AND FTP COPPER CABLING SYSTEM

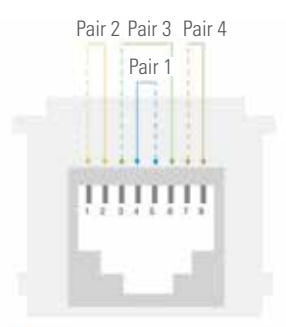
- Manufactured according to the following standards:**
- EN 50173-1 Cabling Standard Information Technology
 - TIA/EIA 568 A/B Commercial Building Telecommunications Cabling Standard
 - ISO/IEC 11801 Cabling Standard, Generic Cabling for Customer Premises
 - Certified by an independent external laboratory.



RJ45 CONNECTOR CONNECTION

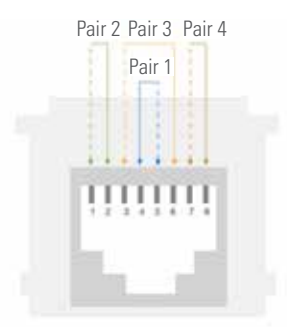
ACCORDING TO TIA568B STANDARD

Pairs



ACCORDING TO TIA568A STANDARD

Pairs

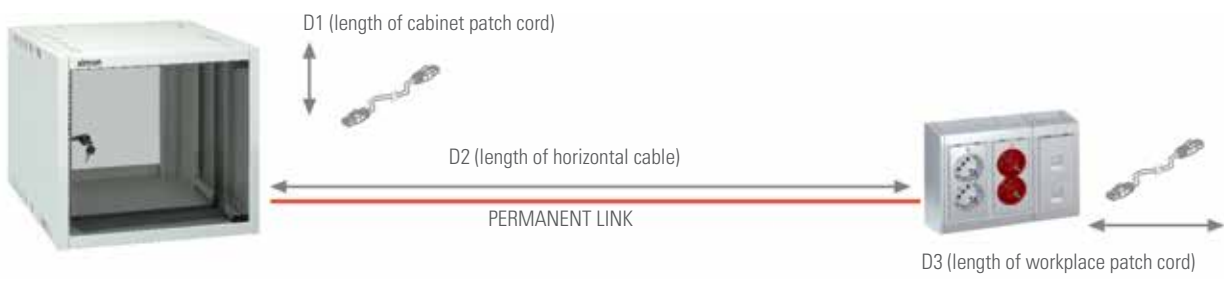


The RJ45 female connector can be used as RJ11 or RJ12 by crimping the "blue" and "white-blue" pair to use as a phone jack.



MAXIMUM INSTALLATION DISTANCES FOR RJ45 CABLING

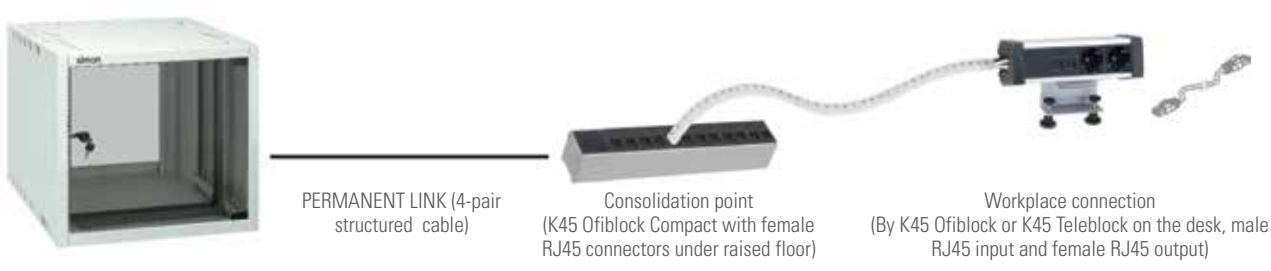
Maximum RJ45 voice and data cable lengths according to the ISO/IEC 11801 standard



Length of horizontal cable laid (PERMANENT LINK):	$D2 \leq 90$ metres
Patch cord length (from cabinet to workplace):	$D1 + D3 < 10$ metres
Length from computer to network equipment (TRUNKING):	$D1 + D2 + D3 \leq 100$ metres

CONSOLIDATION POINT

Diagram for installation of a Consolidation Point in the workplace using K45 Ofiblock



The consolidation point allows you to permanently wire the fixed part of the installation (PERMANENT LINK) and move the furniture installation with full flexibility, respecting the Structured Cabling standard, ISO/IEC 11801

QUICK-CONNECT SYSTEM

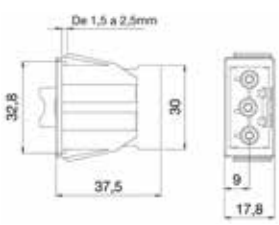
- Products designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with UNE-EN-50085 harmonised standard.
- Product with CE marking **CE**
- Cable cross-section: 1.5 or 2.5 mm²
- Supports rigid or flexible cable

3 POLES

FLUSH-MOUNT CONNECTORS

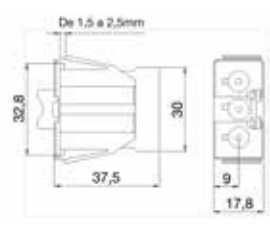
ART. NO.

CR0001/..



ART. NO.

CR0002/..

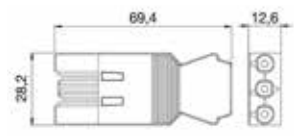




OVERHEAD CONNECTORS

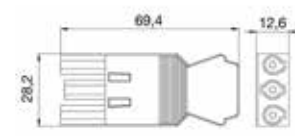
ART. NO.

CR0003/..



ART. NO.

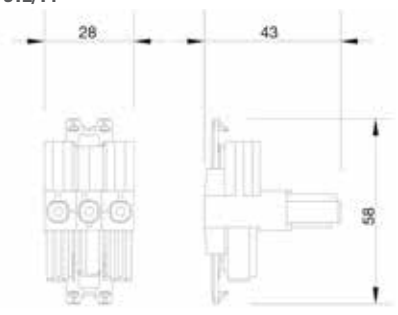
CR0004/..



DIVERTERS

ART. NO.

CR7312/14



QUICK-CONNECT PATCH CORDS

ART. NO.

CRX020/..



ART. NO.

CR20X0/..



ART. NO.

CR4020/..



Art. No.	Length (x) (m)
CR2010/..	1
CR2020/..	2
CR2030/..	3
CR2040/..	4
CR2050/..	5
CR2060/..	6
CR2070/..	7
CR2080/..	8

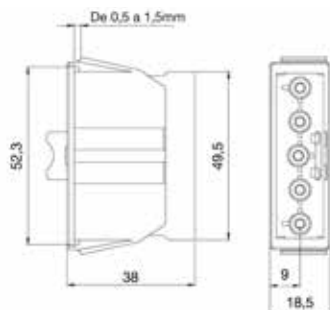
Dimensions in mm

5 POLES

FLUSH-MOUNT CONNECTORS

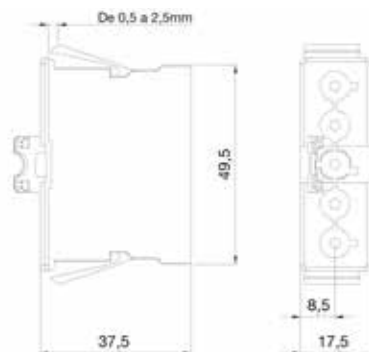
ART. NO.

CR5001/14



ART. NO.

CR5002/14



OVERHEAD CONNECTORS

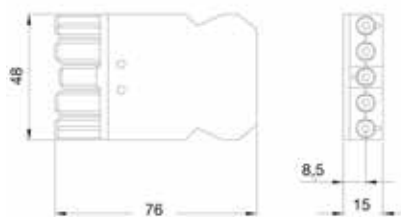
ART. NO.

CR5004/14



ART. NO.

CR5003/14





ELECTROBANDA

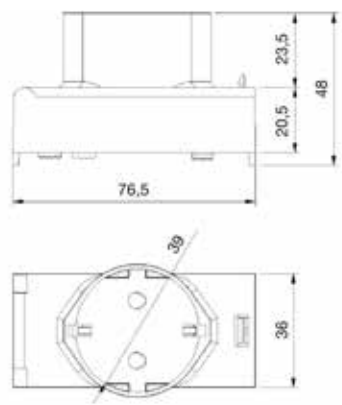
- Product designed according to harmonised standard UNE-EN-50085-1.
- Complies with the Spanish Low Voltage Electrotechnical Regulations (REBT) of 2003, approved by Royal Decree 842/2002.
- Complies with Spanish ICT regulations according to Royal Decree 401/2003 section 8, "Safety requirements between installations".
- IP4X
- Electrical features: 16 A/250 V

ELECTRICAL SOCKETS

GERMAN

ART. NO.

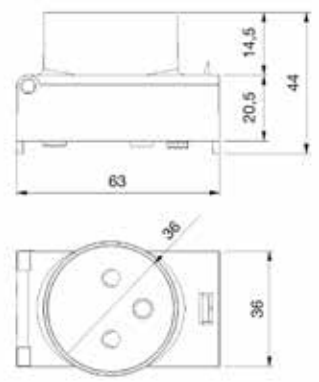
PEA124/9



FRENCH

ART. NO.

PEA125/9



ACCESSORIES FOR WALL INSTALLATION

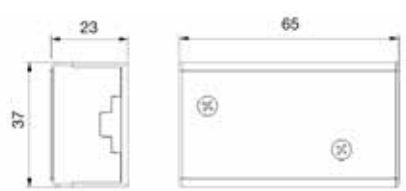
ART. NO.

PEA100/8



ART. NO.

PEA120/9



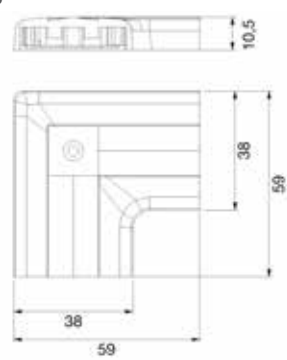
ART. NO.

PEA110/9



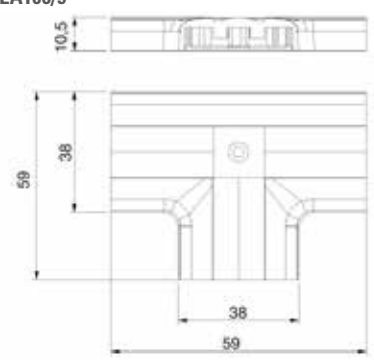
ART. NO.

PEA101/9



ART. NO.

PEA106/9



Dimensions in mm





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