K45 DIRECT SNAP-FIT RANGE

Direct Snap-Fit

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

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

More compact designs allowing the installation of more mechanisms.

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

COVERINGS

K45 TELEBLOCK 68

K45 OFIBLOCK PLUS 70

K45 OFIBLOCK COMPACT 72

K45 Surface and Flush-Mount Boxes 74

IP66, K45 Watertight Floor Boxes 76

K45 Tamper-Proof Mini-Towers 80

K45 Mini-columns 82

K45 Columns 84

SWITCHES, SOCKETS AND PLATES

K45 Breakers and Switching Mechanisms 86

K45 Electrical Sockets 88

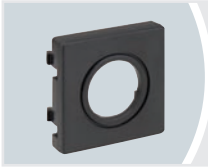
K45 Protection Elements 90

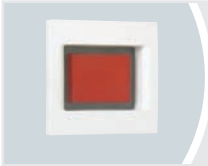
K45 Voice and Data Plates 92

K45 Multimedia, TV and SAT Plates 96

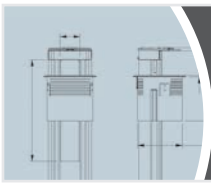
K45 Optical Fibre Plates 98

K45 Quick Connection Plates 100


K45 Cable Outlet Plates 101


K45 Signalling and Beaconing Plates 101

K45 Blind Plates 101


Technical information, measurements and sizes 102

K45 DIRECT SNAP-FIT RANGE

PRODUCT APPLICATIONS

1 2 3

K45 OFIBLOCK PLUS Page 70

4
K45 TELEBLOCK Page 68

5
K45 Surface and Flush-mount Boxes Page 74

6
K45 IP66 Watertight Floor Boxes Page 76

7
K45 Tamper-proof Mini-towers Page 80

K45 DIRECT SNAP-FIT RANGE

DIRECT SNAP-FIT

K45 TELEBLOCK

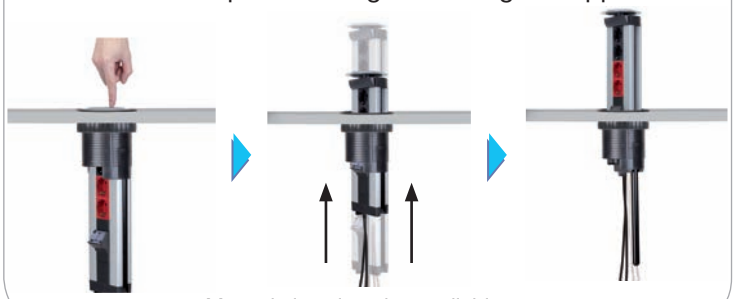
Raise your connections to the highest level

WIFI AREA | OFFICES | HOTELS | AUDITORIUMS | MEETING ROOMS

The Simon Connect K45 TELEBLOCK offers solutions for sporadic connection requirements, adapting to all kinds of furnishings.

Automatic elevation

Provides a unique technological avant-garde appearance



Manual elevation also available

With all necessary equipment

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

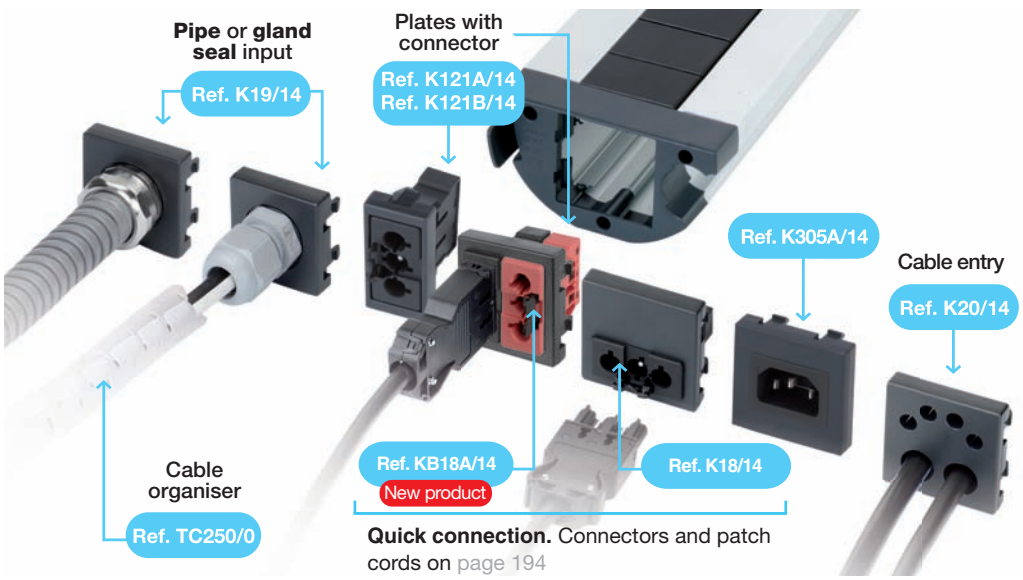
Mechanisms, electrical sockets and plates from page 86

Finish customisation

Covers available with two finishes: graphite grey and matt chrome-plated.
Option to customise the finishes with your company's corporate colour.

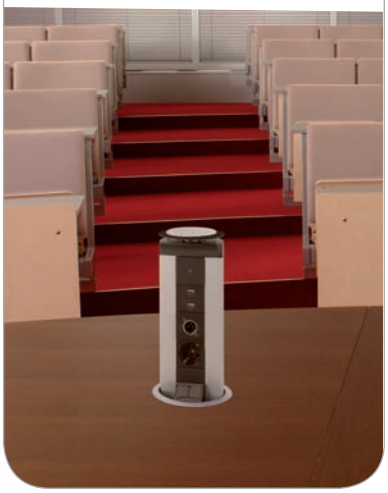
Graphite grey | Matt chrome-plated | Finish customisation

ENTRY PLATES FOR BOTTOM ACCESS



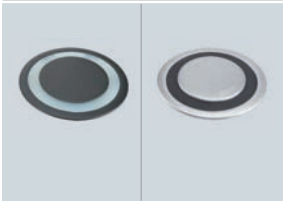
Quick connection. Connectors and patch cords on page 194

Can adapt to all kinds of furnishings



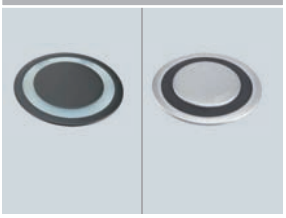
K45 TELEBLOCK FOR CONFIGURATION

New product

	Reference/Finish							Reference/Finish	
								Frame and trim cover	
									
References	KTLE205	KTL202	KTL203	KTL204	KTL205	KTL206	+	KTLA1 /14	KTLA1 /31
Description	For 5 useful mechanisms with automatic elevation	For 2 useful mechanisms with manual elevation	For 3 useful mechanisms with manual elevation	For 4 useful mechanisms with manual elevation	For 5 useful mechanisms with manual elevation	For 6 useful mechanisms with manual elevation			

K45 TELEBLOCK CABLED AND INSTALLED

New product

	Reference/Finish						Reference/Finish	
							Frame and trim cover	
								
References	KTLE215U	KTLE216U	KTL215U	KTL216U	KTL212-PACK CUISINE	+	KTLA1 /14	KTLA1 /31
Description	Includes automatic elevation, with 2 graphite-grey Schukos, 2 red Schukos and 2 RJ45 Cat 5e UTP sockets	Includes automatic elevation, with 2 graphite-grey Schukos, 2 red Schukos and 2 RJ45 Cat 6 UTP sockets	Includes 2 graphite-grey Schukos, 2 red Schukos and 2 RJ45 Cat 5e UTP sockets	Includes 2 graphite-grey Schukos, 2 red Schukos and 2 RJ45 Cat 6 UTP sockets	Includes 2 graphite-grey Schukos			

Length of the electric and voice and data cable: 2 m.

ACCESSORIES AND INSTALLATION COMPLEMENTS

	Reference/Finish		Description
	New product KB18A	/14	K45 plate with one graphite-grey 3-pole male quick-connection connector and one red 3-pole male quick-connection connector
	K66	-	90° positioner for K45 plates on columns or K45 vertical sections. See page 94.
	TS10	/8 /14	Cable outlet with Ø 102-mm for desk or raised floor

Electric connection patch cords. See page 197. V&D patch cords. See page 188.

INSTALLATION TOOLS

New product

Reference	Description
H114	Cutting crown with 114-mm diameter
H114U	Spindle for H114 hole saw

SPARE PART

New product

Reference	Description
KTLA2	Gas cylinder for five heights with support
KTLA3	Push-pull module for manual elevation
KTLA4	Teleblock desk-fixing support

CONFIGURATION EXAMPLE

Amount Covering	Ref./Finish	Description
1	KTLE205	K45 Teleblock for five K45 useful mechanisms
1	KTLA1/14	Frame and trim cover, graphite
Electrical sockets and plates		
2	K11/14	Quick terminal connection Schuko K45 electrical socket, graphite
2	K11/6	Quick terminal connection Schuko K45 electrical socket, red
1	K66	90° positioner for K45 VDM plates
1	KB8096U/14	Angled K45 plate with dust protector and 2 RJ45 Cat 6 UTP sockets, graphite
2	AC11	Connection block for multi-sockets
1	K20/14	K45 cable input plate with retainer included, graphite
1	TC250/0	Cable organiser with Ø 25-mm and length of 2 m

FINISHES

- /31 Matt chrome-plated
- /8 Painted aluminium
- /9 Pure white Ral 9010
- /14 Graphite grey Ral 7021

K45 DIRECT SNAP-FIT RANGE

K45 OFIBLOCK PLUS

Modularity and flexibility

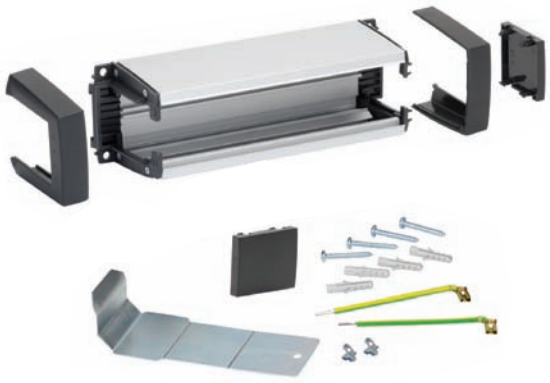
DIRECT SNAP-FIT

5 INSTALLATION OPTIONS

1. Desktop
2. Under desk
3. Raised floor
4. Wall mounted
5. Mounted on screens or furniture
6. Metal surface with magnet

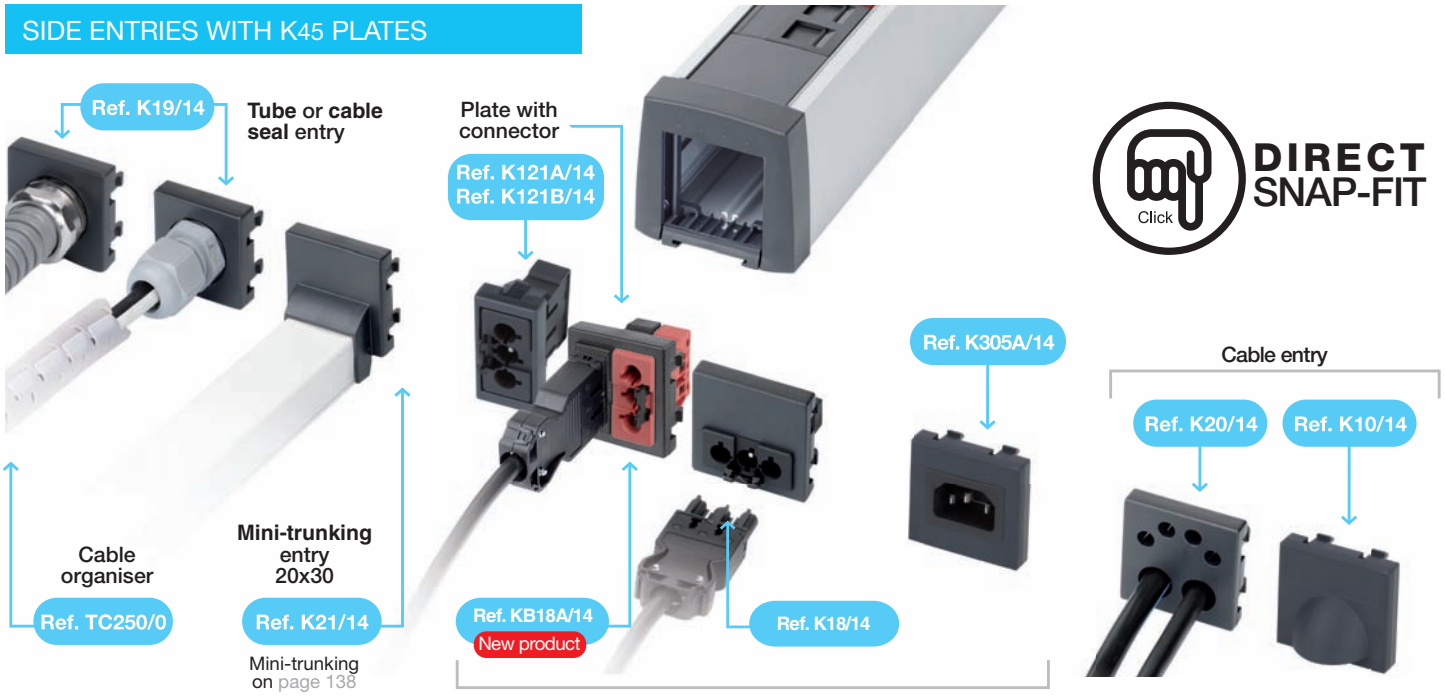
With all necessary materials

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



Mechanisms, electrical sockets and plates starting on page 86

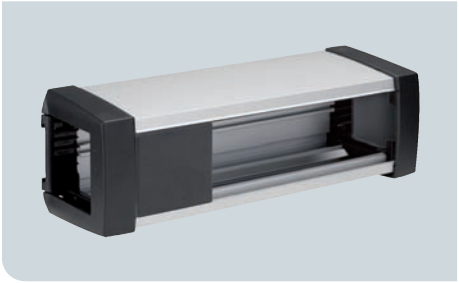
SIDE ENTRIES WITH K45 PLATES



DIRECT SNAP-FIT

Quick connection. Connectors and patch cords on page 194

K45 OFIBLOCK PLUS (MODULAR ENTRY NOT INCLUDED)



No. of useful mechanisms	Reference/Finish
3	**KFP103**
4	**KFP104**
5	**KFP105**
6	**KFP106**
7	**KFP107**
8	**KFP108**

/14

MODULAR K45 ENTRY PLATES

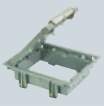
Tube or cable seal	Mini-trunking	Quick Connection		Cable entry	
Ø22mm **K19**/14 more information page101	20x30mm **K21**/14 more information page101	CEI320 connector **K305A**/14 more information page100	New product Quick connector **KB18A**/14 more information page100	2 Ø13-mm cables and 4 Ø6-mm cables **K20**/14 more information page101	Cable grommet **K10**/14 more information page101

OFIBLOCK FASTENING SUPPORTS

Individual or under table **KSF1**	Tandem under raised floor **KSF2**	Desktop **KSF3**	Anchor on DIN guide **KSF5**	New product Support with magnet **KSF6** *

Requires 2 per OFIBLOCK

INSTALLATION COMPLEMENTS

Breaker	Protection	Patch cord	Organiser	Access to raised floor	
					
K45 breaker **K302** ⊕ **K112/..** more information page 86	K45 Automatic breaker **K106A/..** more information page 90	Electrical patch cord **KTL8/14** more information page 196	**TC250/0** more information page 154	Accessible cover **S600/1** more information page 32	Cable grommet **TS10/14** more information page 32

CONFIGURATION EXAMPLE

Amount	Ref./Finish	Description
Covering		
1	KFP103/14	K45 OFIBLOCK PLUS with 3 useful mechanisms, graphite
Electrical sockets and plates		
1	K20/14	K45 cable entry plate with retainer included, graphite
1	KB96U/14	K45 flat V&D plate with 2 SIMON CONNECT Cat.6 UTP connectors, graphite
2	K11/14	K45 quick terminal connection, Schuko-format electrical socket, graphite
1	AC11	Connection block for multi-sockets
1	KSF3	OFIBLOCK desktop fastening support
1	TC250/0	Ø25-mm, 2-m long cable organiser

FINISHES
/0 Transparent
/9 Pure white Ral 9010
/14 Graphite grey Ral 7021

*Check availability

K45 DIRECT SNAP-FIT RANGE

K45 OFIBLOCK COMPACT

Simply compact

DIRECT SNAP-FIT

MULTIPLE SIDE ENTRIES

- Quick connection
- Direct cable

SHARES ACCESSORIES WITH K45 OFIBLOCK PLUS

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

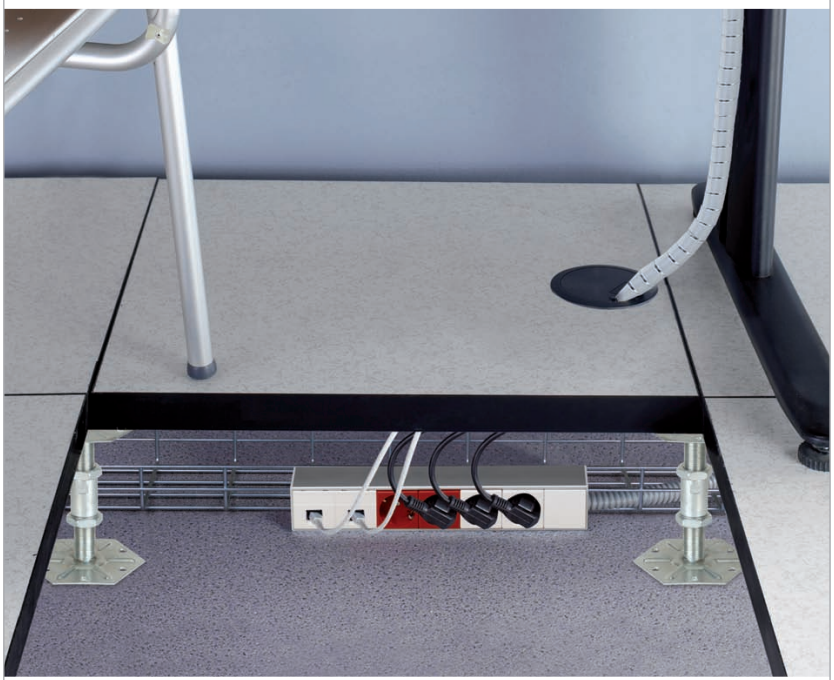
With all necessary materials

Each K45 OFIBLOCK COMPACT is supplied with the section, blind side cover, direct cable entry side cover, hardware and blind front plate, providing space for cables.

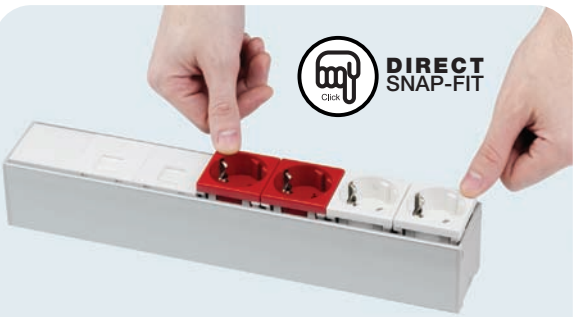
Mechanisms, electrical sockets and plates starting on page 86

Can be installed in a raised floor

Under the floor, install sockets **with indicator lights** to be able to easily locate the connection points.



Ideal for low-height raised floors



Easy installation by direct snap-fitting the mechanisms K45

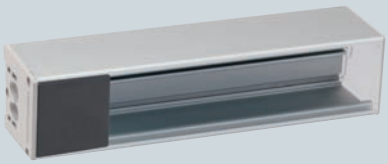
Allows quick connection

Optional side cover for quick-connection entry.

K45 OFIBLOCK COMPACT WITH DIRECT CABLE ENTRY

White finish /9

Graphite grey finish /14



No. of useful mechanisms	Reference/Finish	
2	**KFC102**	/9 /14
3	**KFC103**	
4	**KFC104**	
5	**KFC105**	
6	**KFC106**	
7	**KFC107**	
8	**KFC108**	
9	**KFC109**	
10	**KFC110**	

MODULAR SIDE ENTRY COVERS (Optional)

Blind side cover

ACFC01 /24

Side entry cover direct cable

ACFC02 /24

Side entry cover single quick connection

ACFC03 /24

Connectors on page 196

Side entry cover double quick connection

ACFC04 /24

Connectors on page 196

OFIBLOCK FASTENING SUPPORTS

Individual or under table

KSF1

Tandem under raised floor

KSF2

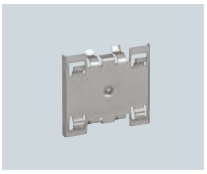
Desktop

KSF3

Wall mounted

KSF4

Requires 2 per OFIBLOCK



Anchor on DIN guide

KSF5

New product

Support with magnet

KSF6 *

Requires 2 per OFIBLOCK

INSTALLATION COMPLEMENTS

Breaker

K45 breaker

K302 ⊕ **K112/..**

more information page 86

Protection

Automatic breaker K45

K106A/..

more information page 90

Automatic breaker DIN

KF04B/..

more information page 90

Organiser

TC250/0

more information page 154

Access to raised floor

Accessible cover

S600/1

more information page 32

Cable grommet

TS10/14

more information page 32

CONFIGURATION EXAMPLE

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

FINISHES

/0 Transparent

/9 Pure white Ral 9010

/14 Graphite grey Ral 7021

/24 Pale grey Ral 7035

* Check availability

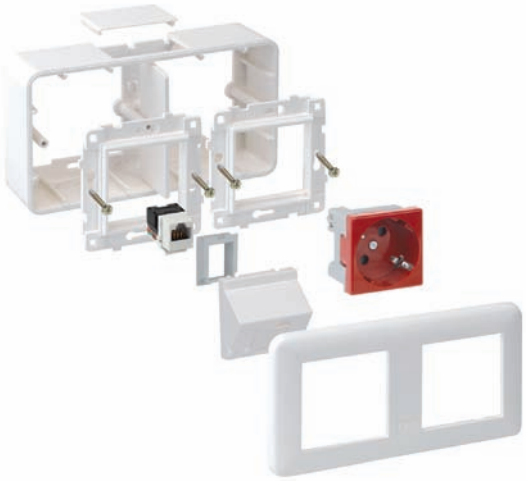
K45 DIRECT SNAP-FIT RANGE

DIRECT SNAP-FIT

K45 SURFACE AND FLUSH-MOUNT BOXES

Occasional connection

DOUBLE SURFACE BOX

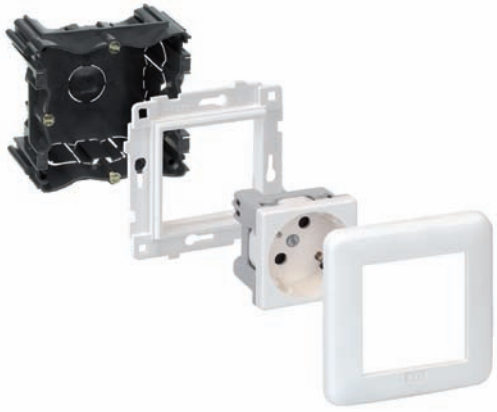


With all necessary materials

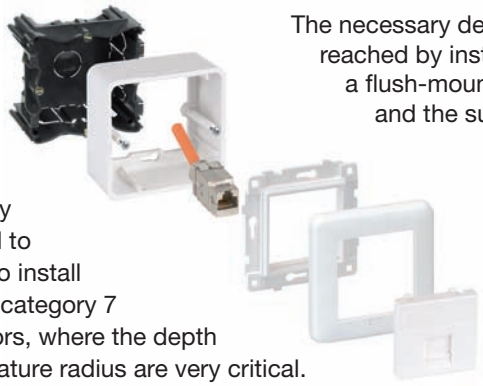
The K45 Surface and Flush-mount box is supplied with **a divider plate**, plugs for fastening and all necessary hardware.

Mechanisms, electrical sockets and plates starting on page 86

SINGLE FLUSH-MOUNT BOX



Ideal for deep connectors



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

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

Combine it with the Mini-trunking

CIMA BOX | SIMON CONNECT TRUNKING

VDM VOICE, DATA & MULTIMEDIA

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

SURFACE INSTALLATIONS

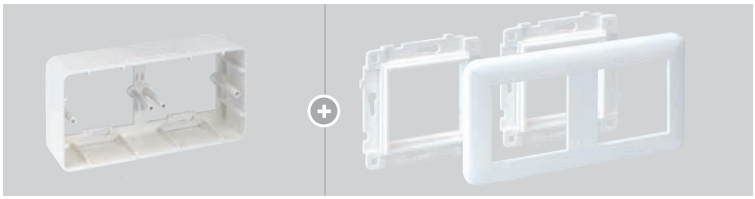
1 K45 mechanism

Box	Frame + Centre Frame

References/Finishes					
R250	/9 /14	+	KR245	/9 /14

2 K45 mechanisms

Box	Frame + Centre Frame



References/Finishes					
R450	/9 /14	+	KR445	/9 /14

ACCESS WITH MINI-TRUNKING

Power supply from the descending feed through (front)

SCM21F	/9	Adapter for 20x30 Mini-trunking
SCM31F		Adapter for 20x50 Mini-trunking

Mini-trunking on page138

SURFACE CONFIGURATION EXAMPLE

Amount	Ref./Finish	Description
Covering		
1	KR445/9	Double K45 frame and 2 K45 centre frames, white
1	R450/9	Double K45 surface box, white
Electrical sockets and plates		
1	K01/9	Schuko-format K45 electrical socket. Screw terminal connection, white
1	K100A/9	K45 plate with 1 female VGA HD15 connector, white
1	K101A/9	K45 plate with 2 RCA audio connectors, white
Mini-trunking Access		
1	SCM31F/9	Adapter for 20x50 mini-trunking, white
1	TM12032/9	20x50 mini-trunking, 2 compartments, white

FLUSH-MOUNT INSTALLATIONS

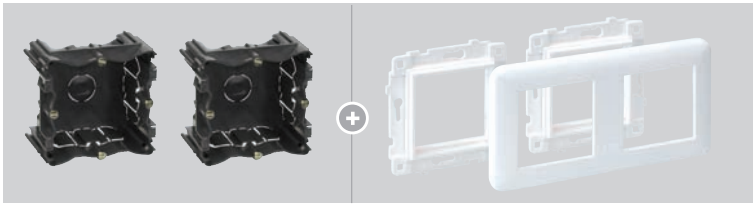
1 K45 mechanism

Universal box for masonry wall	Frame + Centre Frame

References/Finishes					
MR200	+	KR245	/9 /14

2 mechanisms

Universal box for masonry wall	Frame + Centre Frame



References/Finishes					
2 MR200	+	KR445	/9 /14

Consult opening measurements on page 103

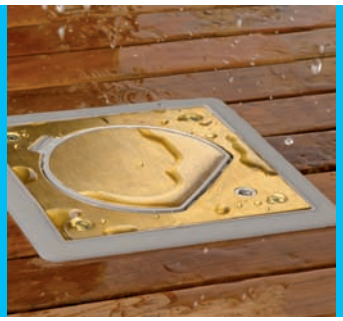
FLUSH-MOUNT CONFIGURATION EXAMPLE

Amount	Ref./Finish	Description
Covering		
1	KR245/14	Individual K45 frame and K45 centre frame, graphite
1	MR200	Universal K45 flush-mount box on masonry wall
Electrical sockets and plates		
1	K01/14	Schuko-format K45 electrical socket. Screw terminal connection, graphite

FINISHES

/9 Pure white Ral 9010

/14 Graphite grey Ral 7021



K45 DIRECT SNAP-FIT RANGE

DIRECT SNAP-FIT

IP66 K45 WATERTIGHT FLOOR BOXES

For indoor and outdoor use

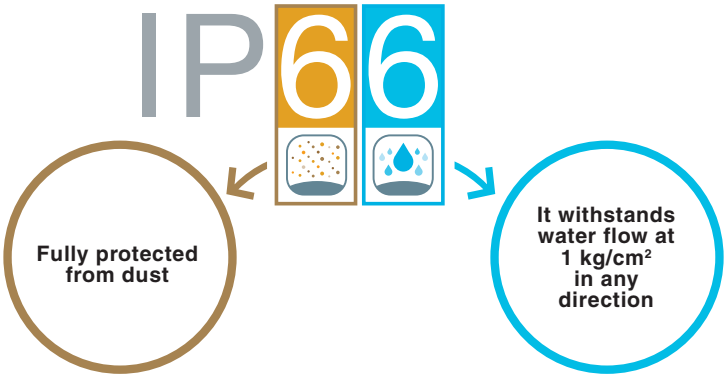
FOR ELECTRICITY, VOICE AND DATA, MULTIMEDIA OR TV AND SAT K45

Can be installed:

In **open outdoor areas** it is common to require sporadic connections.

When closed, the IP66 protection level keeps water and moisture away from the electrical mechanisms.

IP66 PROTECTION LEVEL



Combine it with the AQUA series of simon

Consult the SIMON catalogue

A tray for each kind of floor

Raised floor

Tiled floor

WATERTIGHT BOX FOR **RAISED FLOOR**

For installation in the **floors of gardens and terraces, wood decks, parquet or raised flooring**

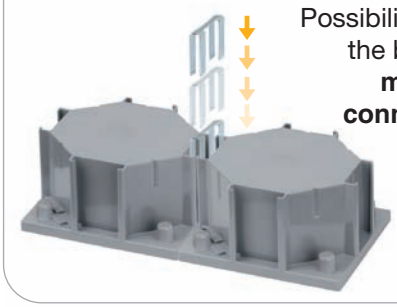
The **beveled tray** fastens the box and hides any installation defects.

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

WATERTIGHT BOX FOR **TILED FLOOR**

It allows the flush installation of the box in **all kinds of tiled flooring (porcelain tile, terrazo, ceramic, etc.)**

Grouping of watertight boxes



Possibility of grouping the boxes to **have more than one connection point.**

A mechanism holder for each environment

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

Manual lock
Suitable for less demanding environments

IP 66 WATERTIGHT FLOOR BOXES - CHARACTERISTICS

Two types of finishes

Maximum resistance

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

Safety cover

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

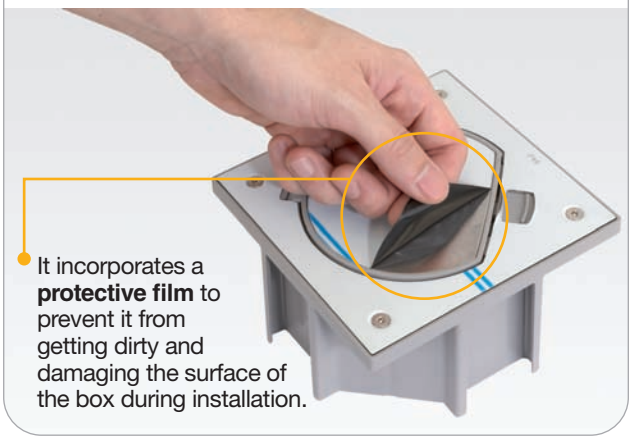
Electricity, Voice and Data in a single box

The KSE15U/23/.. mechanism holder incorporates a Schuko electrical connection and an RJ45, CAT5e UTP

Installation system

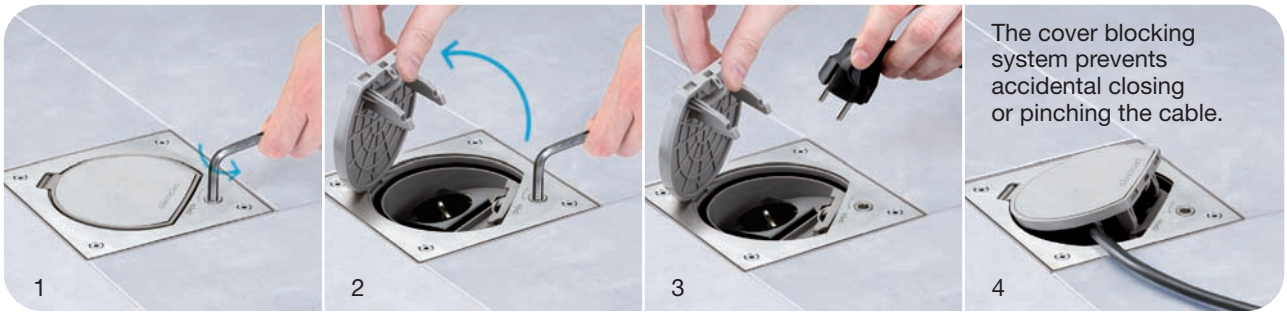
An optional drainage pipe can be installed to drain away any possible condensation inside the box.
The tray includes a wooden cover that prevents any dirt from getting inside it during installation.

Protective film



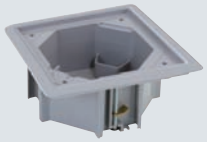
It incorporates a **protective film** to prevent it from getting dirty and damaging the surface of the box during installation.

Safety lock, opening and closing system



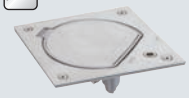
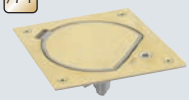
The cover blocking system prevents accidental closing or pinching the cable.

TRAYS

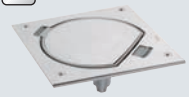
	References/Finishes	Description
Installation in raised flooring		
	**KGE170TF** /23	Flush-mount tray **in a raised floor** for a watertight floor box, grey colour
Solid floor installation		
	KGE170 /23	Flush-mount tray in **a solid floor** for a watertight floor box, grey colour
	ACSE	Connector accessory for 2 watertight floor boxes for solid floor

COMMON MECHANISM HOLDER FOR BOTH TRAYS

Mechanism holder with SAFETY lock

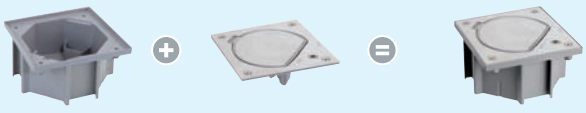
Stainless steel /72  Brass /71 	**KSE1SEC/23**	With a Schuko socket
	KSE0SEC/23 /72 /71	For a K45
	KSE2SEC/23	With a French socket

Mechanism holder with MANUAL lock

Stainless steel /72  Brass /71	**KSE15U/23**	With a Schuko socket and RJ45 connector, CAT 5e UTP
	KSE25U/23 New product	With a French socket and RJ45 connector, Cat 5e UTP
	KSE1/23 /72 /71	With a Schuko socket
	KSE0/23	For a K45
	KSE2/23	With a French socket

CONFIGURATION EXAMPLE **SOLID FLOOR**

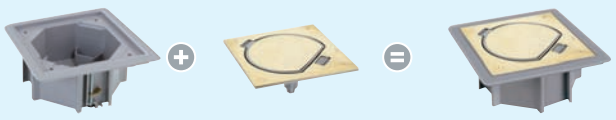
Tray for solid floor | Mechanism holder with safety lock | Watertight floor box assembly



KGE170/23 + **KSE1SEC/23/72** = Watertight floor box with safety lock and Schuko socket. Stainless-steel finish

CONFIGURATION EXAMPLE **RAISED FLOOR**

Tray for raised floor | Mechanism holder | Watertight floor box assembly



KGE170TF/23 + **KSE15U/23/71** = Watertight floor box for raised floor with 1 Schuko socket and 1 RJ45 connector, CAT 5e UTP. Brass finish

FINISHES

/23 Grey Ral 7036

/71 Brass

/72 Stainless steel

K45 DIRECT SNAP-FIT RANGE

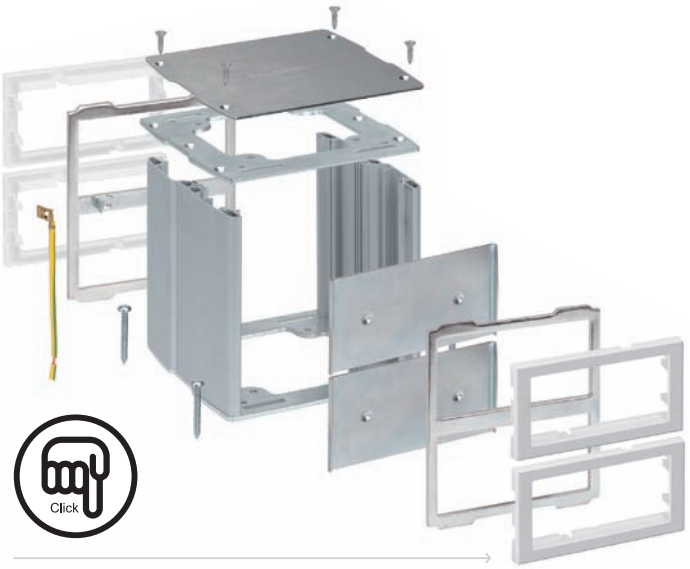
DIRECT SNAP-FIT

K45 TAMPER-PROOF MINI-TOWERS

Solutions for raised floor and tiled floor

K45 TAMPER-PROOF MINI-TOWERS, DIRECT SNAP-FIT

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



K45 direct snap-fit mini-towers:
They allow installing up to 12 direct snap-fit K45 mechanisms, with no accessories required.

With all necessary materials

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

Mechanisms, electrical sockets and plates starting on page 86

With protective sheath

Protects the mechanisms from impact in adverse environments New product

Combine it with the SCUDO series of simon

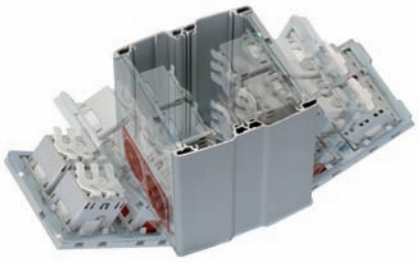
Consult the SIMON catalogue

Metal divider plate

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

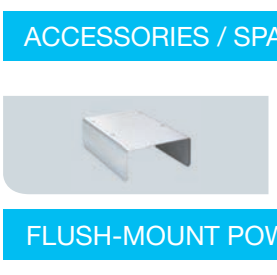
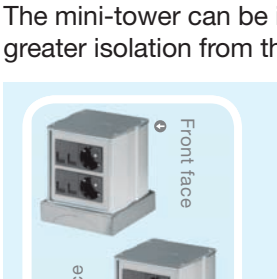
Easy maintenance

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

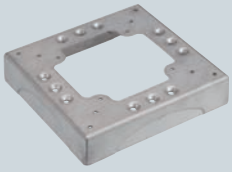


See CIMA Mini-towers on page 34

K45 DOUBLE FACE MINI-TOWERS

	No. of mechanisms per side	Reference/finish	Ref./Finish
	2	**KT400**	
 New product	2	**KT401** With protective sheath /8	
	4	**KT800**	
	6	**KT1200**	

Base OPTIONAL



KTA804 /8

ACCESSORIES / SPARE PARTS

	Reference/finish	Description
	KTA401 /8	Protective sheath for **KT400/8** mini-tower

FLUSH-MOUNT POWER SUPPLY

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

CONFIGURATION EXAMPLE

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

POWER SUPPLY THROUGH FLOOR TRUNKING

Choose the corresponding base for the trunking section and distribution of the installation.
Floor Trunking and Bases on page 142

CONFIGURATION EXAMPLE

Amount	Ref./Finish	Description
Covering		
1	KT1200/8	K45 Tamper-proof Mini-tower, 6 mechanisms per face
Electrical sockets and plates		
3	K11/9	Schuko-format K45 electrical socket. Quick terminal connection, white
3	K11/6	Schuko-format K45 electrical socket. Quick terminal connection, red
2	AC11	Connection block for multi-sockets
1	K106A/9	K45 plate with 10A, curve C automatic breaker, white
1	KB96U/9	K45 flat V&D plate with 2 RJ45 SIMON CONNECT® Cat.6 UTP connectors, white
1	KA96U/9	Half mechanism, K45 flat V&D plate with 1 RJ45 SIMON CONNECT® cat.6 UTP connector, white
1	K122/9	K45 multimedia plate for 1 XLR connector, white
1	K120A/9	K45, screw-connection end CEI TV socket, white
1	K100A/9	K45 multimedia plate with 1 female VGA HD15 connector, white
1	K101A/9	K45 plate with 2 RCA audio connectors, white
1	K123A/9	K45 multimedia plate with 1, 3.5-mm stereo mini-jack connector, white
1	KTA804/8	Elevation base for 85x18-mm floor trunking, white
1	TF11172/8	85x18-mm DCS floor trunking

FINISHES
/8 Anodised aluminium

K45 DIRECT SNAP-FIT RANGE

DIRECT SNAP-FIT

K45 MINI-COLUMNS

Solutions for raised floor and tiled floor

4 MODELS OF THE K45 MINI-COLUMNS

OFFICES LABORATORIES

Simplicity
- 1 face

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

Maximum capacity
- 4 faces

Aesthetics
- 2 faces
- Oval shaped

Supplied with all necessary materials for installation

With **just one reference**, the K45 mini-columns are supplied complete and ready for installation: base for fastening to the floor, top and side covers and miscellaneous hardware.

Mechanisms, electrical sockets and plates starting on page 86

Embedded power supply

(Cables embedded in tiled floor or under raised floor)

The K45 mini-columns are installed directly using a fastening base on the floor.

DIRECT SNAP-FIT

Power supply through floor trunking

(85x18 and 130x18 floor trunking)

The ALKA02/8 adapter allows installing the K45 mini-columns in the bases of the floor trunking and being powered through it.

Floor trunking and bases on page 142

Mini-columns with white and graphite finishes on page 36

K45 MINI-COLUMNS

No. of mechanisms per face	Reference/finish			
	1 face	2 oval faces	2 square faces	4 faces
	70x60mm	110x80mm	80x80mm	125x125mm
4	-	ALK724 /8	ALK224 /8	ALK544 /8
5	ALK115 /8	ALK725 /8	ALK225 /8	ALK545 /8
6	ALK116 /8	ALK726 /8	-	ALK546 /8
7	ALK117 /8	-	ALK227 /8	-
Mechanism housing	No limitations	No limitations	Designed for electrical bases with screw terminal connections on 1 face and VDM on the opposite face.	Does not allow electrical sockets with quick terminal connection on 2 of the 4 faces. No restrictions for other mechanisms.

K45 ACCESSORIES AND INSTALLATION COMPLEMENTS

Mechanism Adaptation	Electrical outlets	Protection	VD plates	Multimedia Plates
90º K45 positioner for VDM plate **K66**	Quick-connection terminals **K11/..**	K45 automatic breaker **K106A/..**	VD plate with connector **KB95U/..**	1 VGA connector plate **K100A/..**
more information page 94	more information page 88	more information page 90	more information page 92	more information page 96

CONFIGURATION EXAMPLE OF CABLE ACCESS THROUGH EMBEDDED TUBES

Amount	Ref./Finish	Description
Covering		
1	ALK115/8	70x60, number 1 K45 mini-column, one face for 5 mechanisms
Electrical sockets and plates		
2	K11/9	Schuko-format K45 electrical socket. Quick terminal connection, white
2	K11/6	Schuko-format K45 electrical socket. Quick terminal connection, red
2	AC11	Connection block for multi-sockets
1	KB96U/9	K45 flat V&D plate with 2 RJ45 SIMON CONNECT® Cat.6 UTP connectors, white
1	K66	90º K45 positioner for VDM plate

CONFIGURATION EXAMPLE OF CABLE ACCESS THROUGH FLOOR TRUNKING

Amount	Ref./Finish	Description
Covering		
1	ALK227/8	80x80, number 2 K45 mini-column, 7 mechanisms on each face
Electrical sockets and plates		
4	K01/9	Schuko-format K45 electrical socket, white
1	KF04/9	K45 plate with 10A, curve C, bipolar automatic breaker, white
1	KB8096U/9	K45 angled V&D plate with 2 RJ45 SIMON CONNECT® Cat.6 UTP connectors, white
1	K66	90º K45 positioner for VDM plate
1	K101A/9	K45 plate with 2 RCA audio connectors, white
1	K100A/9	K45 multimedia plate with 1 female VGA HD15 connector, white
2	K122/9	K45 multimedia plate for one male or female XLR connector, white
1	KTA804/8	Socket for tiled floor trunking
1	ALKA02/8	Adapter for base
1	TF21172/8	Aluminium trunking for tiled floor

FINISHES

/8 Anodised aluminium

/14 Graphite grey Ral 7021

/9 Pure white Ral 9010

K45 DIRECT SNAP-FIT RANGE

K45 COLUMNS

Solutions for open areas

DIRECT SNAP-FIT

HIGHLY VARIED RANGE

Easy to install:
the column is fastened by pressing against the ceiling, without having to drill on a solid floor or slab.

There are 4 different section models according to the number of connection faces, from 1 to 4, on which an unlimited quantity of mechanisms can be installed.

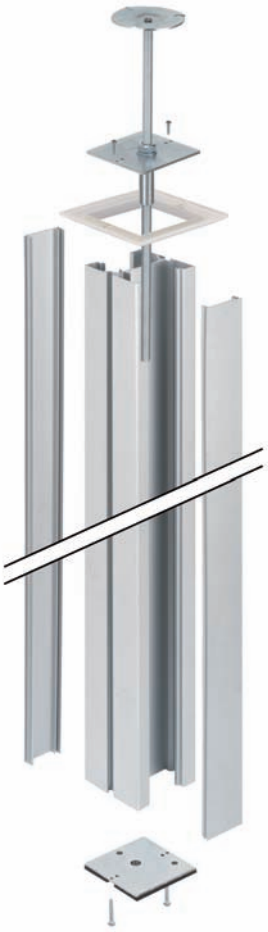
Columns with finishes in white and graphite on page 38

Installation mobility

The columns **are fastened by pressing** against the slab. They do not have to be bolted to the floor, and it is therefore very easy to reconfigure the distribution of work stations.

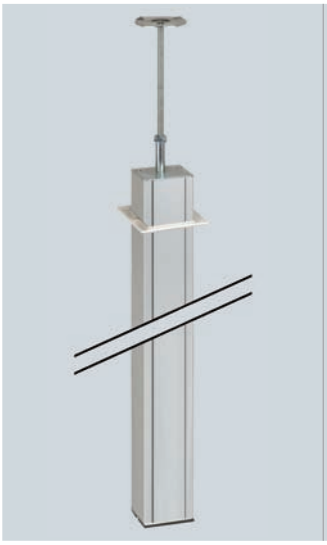
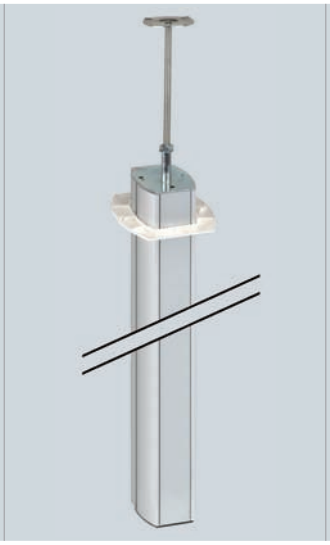
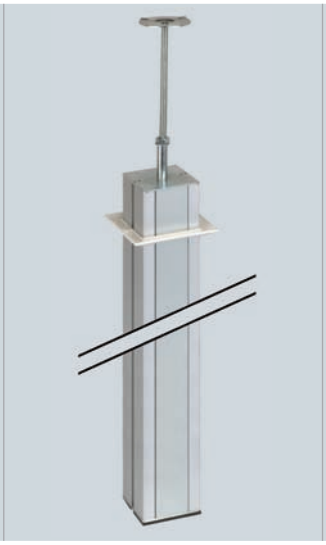
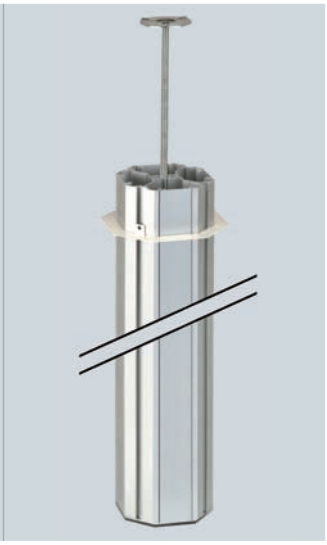
Supplied with all necessary materials for installation

With a single reference, the K45 columns are supplied complete and ready to be installed: base for attachment to the floor, ceiling trim, telescopic assembly for attachment to the structure, aluminium covers and screws and bolts.



Mechanisms, electrical sockets and plates starting on page 86

K45 COLUMNS

Reference/finish			
1 face	2 oval faces	2 square faces	4 faces
70x60mm	110x80mm	80x80mm	125x125mm
			
ALK1100 /8	**ALK7200** /8	**ALK2200** /8	**ALK5400** /8
K45 column extension OPTIONAL Includes connector pins			
-	**ALK72P05** /8 (0.5m)	**ALK22P05** /8 (0.5m)	**ALK54P05** /8 (0.5m)
	ALK72P10 /8 (1m)	**ALK22P10** /8 (1m)	**ALK54P10** /8 (1m)
	ALK72P15 /8 (1.5m)	**ALK22P15** /8 (1.5m)	**ALK54P15** /8 (1.5m)
Mechanism housing			
No limitations	No limitations	Designed for electrical bases with screw terminal connections on 1 face and with VDM on the opposite face.	Does not allow electrical sockets with quick terminal connection on 2 of the 4 faces. No restrictions for other mechanisms.

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

K45 ACCESSORIES AND INSTALLATION COMPLEMENTS

Adaptation Mechanisms	Electrical outlets	Protection	VD plates	Multimedia Plates
90º K45 positioner for VDM plate **K66** more information page 94	Quick-connection terminals **K11/..** more information page 88	K45 automatic breaker **K106A/..** more information page 90	VD plate with connector **KB95U/..** more information page 92	1 VGA connector plate **K100A/..** more information page 96

CONFIGURATION EXAMPLE

Column for a checkout register in a supermarket

Amount	Ref./Finish	Description
Covering		
1	ALK1100/8	Column No. 1, 70x60, one face, 3 m long.
Electrical sockets and plates		
1	K11/9	K45 electrical socket, Schuko format. Quick terminal connection, white
2	K11/6	K45 electrical socket, Schuko format. Quick terminal connection, red
1	AC11	Connection block for multi-sockets
1	KB8096U/9	K45 angled V&D plate with 2 RJ45 SIMON CONNECT® Cat.6 UTP connectors, white
1	K66	90º K45 positioner for VDM plates

FINISHES /8 Anodised aluminium

K45 DIRECT SNAP-FIT RANGE

DIRECT SNAP-FIT

K45 SWITCHING MECHANISMS

Switches, breakers and push-buttons

16 A

SPECIAL FOR OFFICES

Specially designed for spaces with high density of fluorescent lights, since they support a nominal current of 16A. Recommended for offices, hospitals, conference rooms, etc., since they can withstand the current peaks that are caused.

Status pilot or pilot light

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

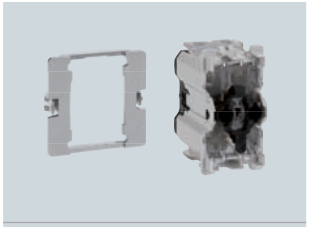
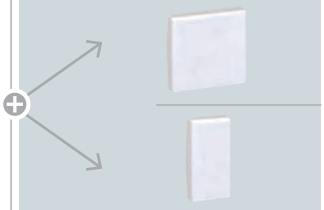
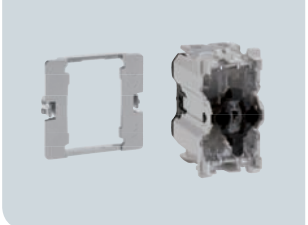
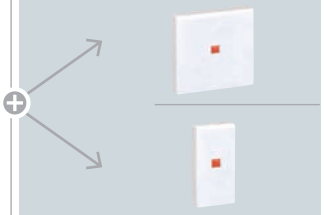
Switch with indicator light: indicates if the charge on which it acts is powered or not.

90º positioner

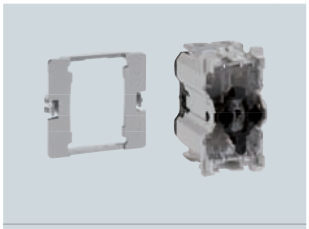
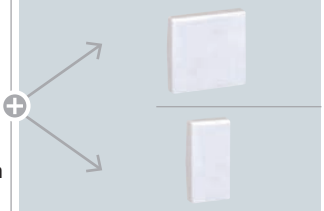
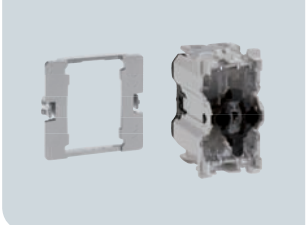
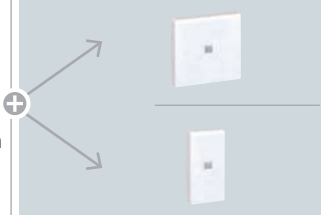
Installs the switching mechanisms on all coverings and trunkings. Also on the K45 Columns or K45 TELEBLOCK by using the positioner.

Supplied with the mechanism

UNIPOLAR, 16A SWITCHING MECHANISMS

	References	Command mechanisms	References/Finishes	Buttons
SWITCHES				
Without indicator light		**K301** Unipolar, 16A K45 switch		**K110** **K109** /8 /9 /14
With indicator light		**K302** Unipolar, 16A K45 switch with pilot light		**K112** **K115** /8 /9 /14

The 90° positioner is supplied with the mechanism

		Command mechanisms		Buttons
PUSH-BUTTONS				
Without indicator light		**K303** Unipolar, 16A K45 push-button		**K110** **K109** /8 /9 /14
With indicator light		**K304** Unipolar, 16A K45 push-button with pilot light		**K114** **K113** /8 /9 /14

The 90° positioner is supplied with the mechanism

16A BIPOLAR BREAKERS

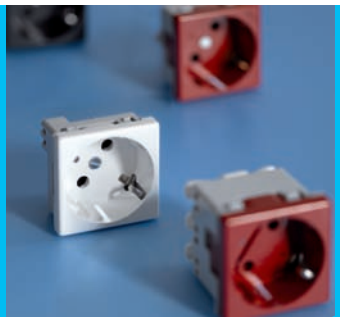
K45 plate with 16A bipolar breaker		K45 plate with 16A bipolar illuminated breaker	
	K125A /9 /14		**KL04** /9 /14

FINISHES

/8 Painted aluminium

/9 Pure white Ral 9010

/14 Graphite grey Ral 7021



K45 DIRECT SNAP-FIT RANGE

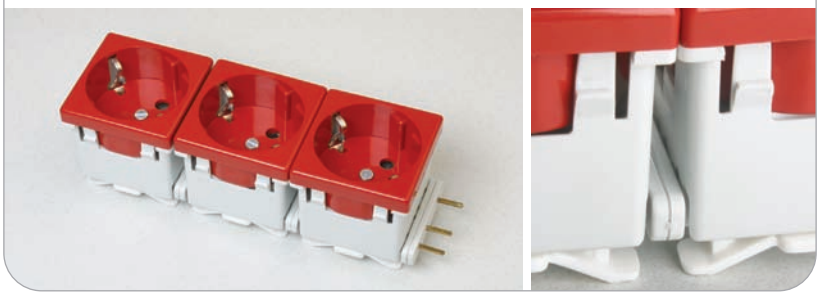
DIRECT SNAP-FIT

K45 ELECTRICAL SOCKETS

Installs with a click

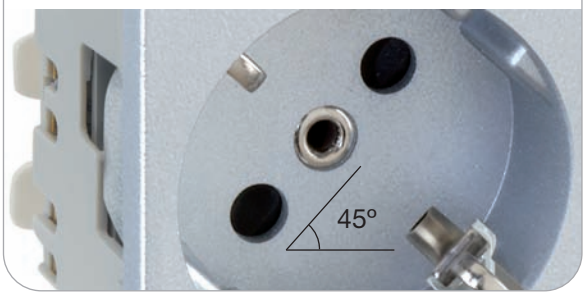
Multi-sockets

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



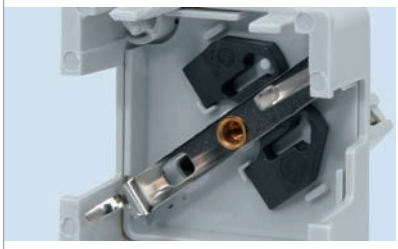
High connection density

45º sockets that allow a high connection density.



Shutter:

Protection



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

Selective safety

They protect the UPS line **and allow only computer equipment to be connected.**

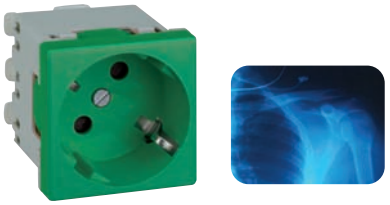
Quick screw-on terminal connection

Allows 2.5 mm² rigid and flexible cable

A FINISH FOR EACH APPLICATION

Red finish, for connecting personal computers using uninterruptible power supply equipment.

Orange finish specifically for powering servers or in laboratories.



Green finish for the health sector

SCREW TERMINAL CONNECTION

	References/Finishes		Description
Electrical sockets	Schuko	French	
	K01 /6 /7 /8 /9 /14	**K02** /6 /8 /9 /14	Socket with protective shutter
	KLS01 /6 /7 /9 /14	**KLS02** /6 /9 /14	Socket with safety shutter and indicator light (including pin)
	KL01	**KL02**	Socket with protective shutter and indicator light

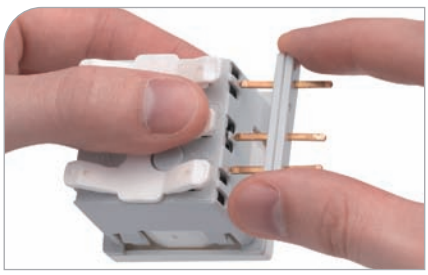
QUICK TERMINAL CONNECTION

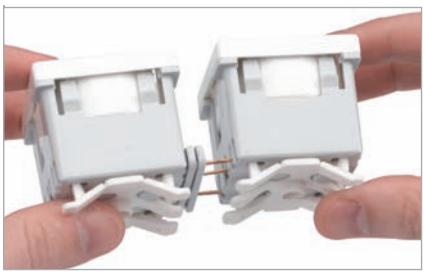
	Schuko	French	
Electrical sockets			
	K11 /6 /7 /8 /9 /14 /27	**K22** /6 /7 /8 /9 /14 /27	Socket with protective shutter
	KS11 /6 /9 /14	**KS22** /6 /9 /14	Socket with safety shutter (pin included)
Connection block			
	AC11	-	Connection block for multi-sockets Sea application at bottom of page.

SPARE PART

	AC33	/6	Pin for unblocking the safety shutter on KLS0../.. and KS../.. bases

Assembly of multi-sockets using the connection block





1. Insert the connection block in the contacts of the socket.
2. Press until the connection block is completely inserted in the contacts.
3. Repeat the process with the next socket and so on.

FINISHES

- /6 Red Ral 3002
- /7 Orange Ral 2009
- /8 Painted aluminium
- /9 Pure white Ral 9010
- /14 Graphite grey Ral 7021
- /27 Green Ral 6016

K45 DIRECT SNAP-FIT RANGE

DIRECT SNAP-FIT

K45 PROTECTION ELEMENTS

Automatic circuit-breakers and differentials

The K45 plates with protection elements provide **safety** for people against electric hazards and **protection** for installations against voltage surges and overloads.

K45 Format

EDUCATION CENTRES

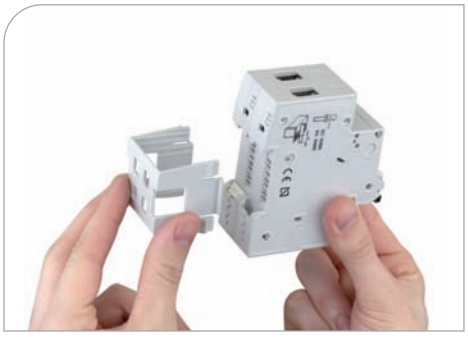
The K45 format differential switches allow them to be installed in surface boxes and K45 flush-mount boxes, and due to their **high 10mA sensitivity,** they are recommended for education centres, schools and day care centres.

K45 DIN Format

Assembly in K45 OFIBLOCK, Perimeter trunking, Mini-columns and direct snap-fit K45 columns.

Aesthetic design

Assembly sequence of the plate for DIN format elements



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

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

3 Fit on the top cover.

K45 PLATES WITH PROTECTION ELEMENTS

	References/Finishes	Description
	KF04A	K45 plates with 3 mechanisms and a 16A bipolar automatic breaker, Curve C
	KF04B	K45 plates with 3 mechanisms and a 10A bipolar automatic breaker, Curve C
	KF04C	K45 plate with 3 mechanisms and a 25A differential switch with $I_{\Delta N}$ sensitivity of 30 mA
	K106A	K45 plate with 10A, curve C automatic breaker
	K107A	K45 plate with 10A automatic breaker/differential switch, with a sensitivity $I_{\Delta N}$ of 10mA

/8 /9 /14

K45 PLATES FOR DIN FORMAT PROTECTION ELEMENTS

	References/Finishes	Description
	KF03 /8 /9 /14	K45 plates with 3 mechanisms for automatic breakers or DIN format differential switch

K45 OFIBLOCK PLUS CONFIGURATION EXAMPLE

Amount	Ref./Finish	Description
Covering		
1	KFP105/14	K45 OFIBLOCK PLUS with 5 useful K45 mechanisms, graphite
Electrical sockets and plates		
1	KF04B/14	K45 plate with 10A, curve C, bipolar automatic breaker, graphite
3	K11/14	K45 quick terminal connection, Schuko-format electrical socket, graphite
2	AC11	Connection block for multi-sockets
1	K20/14	K45 cable entry plate with retainer included, graphite

CIMA SURFACE CONFIGURATION EXAMPLE

Amount	Ref./Finish	Description
Covering		
1	SC400/9	CIMA, 4-module surface box with frame, white
Electrical sockets and plates		
1	S1/9	CIMA double Schuko, white
1	S1/6/9	Two-coloured CIMA double Schuko, red/white
1	S62/9	Adapter plate for 2 K45 mechanisms, white
1	K106A/9	K45 10A, curve C automatic breaker, white
1	K100A/9	K45 multimedia plate with 1 female VGA HD15 connector, white
1	K101A/9	K45 multimedia plate with 2, 15-pin female VGA connectors, white
1	S96BU/9	Plate with 2 RJ45 Cat 6 UTP SIMON CONNECT® connectors, white

FINISHES

/8 Painted aluminium

/9 Pure white Ral 9010

/14 Graphite grey Ral 7021

K45 DIRECT SNAP-FIT RANGE

DIRECT SNAP-FIT

certified by: THIRD PARTY TESTING 3P

K45 PLATES FOR VOICE AND DATA

We facilitate communication

Angled plates

The angled plates are ideal for large-size connectors and respecting **curvature radii** in category 6 and FTP cables.

Flat plates

Flat plates provide full integration in boxes and trunkings.

We take care of the connectors

Plates with **an automatically closing dust cover** that contribute to keeping the transmission parameters stable.

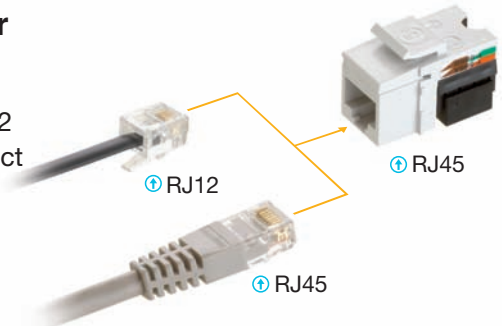
Marking area or area for attaching the **identification** label.

Full compatibility

The philosophy of SIMON CONNECT has always allowed incorporating any connector on the market to our coverings.

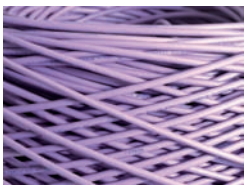
1 connector for various types of patch cords

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



More Structured Cabling solutions

Rack cabinet page 178



Cable page 186

MD modules for angled plates

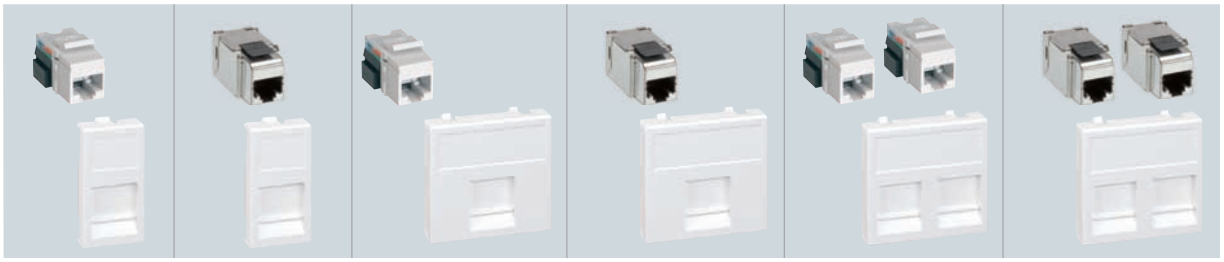
Clipping sequence of the MD modules on angled plates.

K45 VOICE AND DATA PLATES WITH RJ45 CONNECTORS FROM SIMON CONNECT®

ANGLED PLATES WITH DUST PROTECTOR

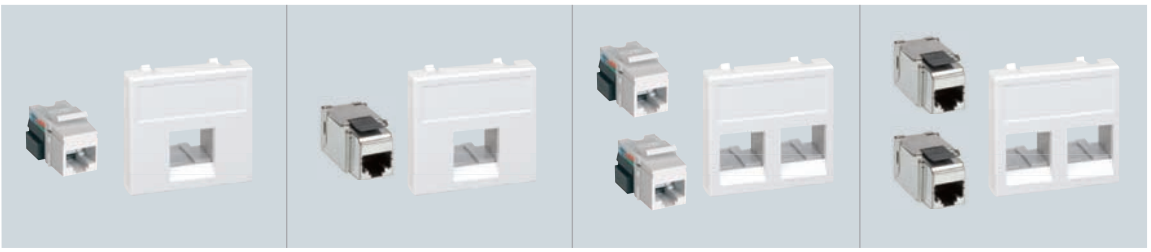
Category	1 connector UTP		1 connector FTP		2 connectors UTP	
6	K8096U	/8 /9 /14	K8096F	/8 /9 /14	KB8096U	/8 /9 /14
5e	K8095U		K8095F		KB8095U	

FLAT PLATES WITH DUST PROTECTOR



Cat.	1 connector (half mechanism) UTP		1 connector FTP		1 connector UTP		2 connectors UTP		2 connectors FTP	
6	KA96U	/8 /9 /14	KA96F	/8 /9 /14	K96U	/8 /9 /14	K96F	/8 /9 /14	KB96U	/8 /9 /14	KB96F	/8 /9 /14
5e	KA95U		KA95F		K95U		K95F		KB95U		KB95F	

FLAT PLATES WITHOUT DUST PROTECTOR



Category	1 connector UTP		1 connector FTP		2 connectors UTP		2 connectors FTP	
6	K096U	/9	K096F	/9	KB096U	/9	KB096F	/9
5e	K095U		K095F		KB095U		KB095F	

CABLE CONNECTION TOOL

CH100
New product

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

FRENCH TELEPHONE SYSTEM OUTLET

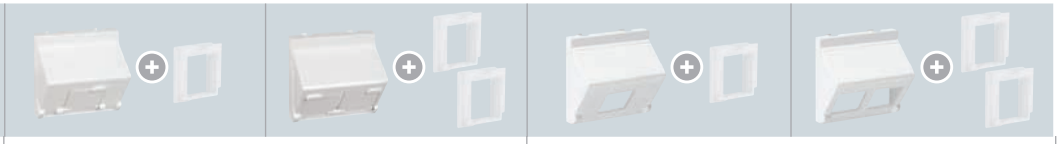
K124A /9 /14

FINISHES
/8 Painted aluminium
/9 Pure white Ral 9010
/14 Graphite grey Ral 7021

More structured cabling tools on page 189

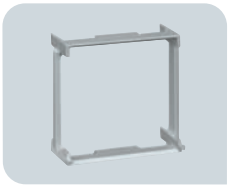
COMPATIBILITY OF K45 VOICE AND DATA PLATES FROM SIMON CONNECT®

ANGLED K45 PLATES FOR CONNECTORS OF OTHER BRANDS

	With dust protector		Without dust protector	
	1 connector	2 connectors	1 connector	2 connectors
MANUFACTURERS				
FINISHES	/9 /14 /8		/9 /14	
SIMON CONNECT®	**K80/.. ⊕ MD67**	**KB80/.. ⊕ 2 MD67**	**K080/.. ⊕ MD67**	**KB080/.. ⊕ 2 MD67**
3M® Volition OCK®	-	-	**K080/.. ⊕ MD45**	**KB080/.. ⊕ 2 MD45**
AMP netconnect® (TYCO ELECTRONICS®)				
· Standard 110	**K80/.. ⊕ MD67**	-	**K080/.. ⊕ MD67**	-
· SL110 y SL toolless	**K80/.. ⊕ MD67**	**KB80/.. ⊕ 2 MD67**	**K080/.. ⊕ MD67**	**KB080/.. ⊕ 2 MD67**
· 216000 y 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®)	**K80/.. ⊕ MD79**	**KB80/.. ⊕ 2 MD79**	**K080/.. ⊕ MD79**	**KB080/.. ⊕ 2 MD79**
ERSYS®	**K80/.. MD64**	**KB80/.. 2 MD64**	**K080/.. MD64**	**KB080/.. 2 MD64**
KRONE®				
· Serie KM8 keystone	**K80/.. ⊕ MD64**	**KB80/.. 2 MD64**	**K080/.. ⊕ MD64**	**KB080/.. 2 MD64**
· Serie HK keystone	**K80/.. ⊕ MD64**	-	**K080/.. ⊕ MD64**	-
· Serie Eco keystone	**K80/.. ⊕ MD64**	-	**K080/.. ⊕ MD64**	-
MOLEX®	**K80/.. ⊕ MD64**	**KB80/.. ⊕ 2 MD64**	**K080/.. ⊕ MD64**	**KB080/.. ⊕ 2 MD64**
NEXANS®	**K80/.. ⊕ MD85**	**KB80/.. ⊕ 2 MD85**	**K080/.. ⊕ MD85**	**KB080/.. ⊕ 2 MD85**
ORTRONICS® · Clarity TechChoice Keystone	**K80/.. ⊕ MD64**	**KB80/.. ⊕ 2 MD64**	**K080/.. ⊕ MD64**	**KB080/.. ⊕ 2 MD64**
PANDUIT®	**K80/.. ⊕ MD69**	**KB80/.. ⊕ 2 MD69**	**K080/.. ⊕ MD69**	**KB080/.. ⊕ 2 MD69**
R&M® (REICHLE DE MASSARI®)	**K80/.. ⊕ MD54**	**KB80/.. ⊕ 2 MD54**	**K080/.. ⊕ MD54**	**KB080/.. ⊕ 2 MD54**
RIT®	**K80/.. ⊕ MD67**	**KB80/.. ⊕ 2 MD67**	**K080/.. ⊕ MD67**	**KB080/.. ⊕ 2 MD67**
SIEMON® · Serie MAX Keystone	**K80/.. ⊕ MD64**	**KB80/.. ⊕ 2 MD64**	**K080/.. ⊕ MD64**	**KB080/.. ⊕ 2 MD64**
SYSTIMAX® (AVAYA®) (ATT®)	**K80/.. ⊕ MD63**	**KB80/.. ⊕ 2 MD63**	**K080/.. ⊕ MD63**	**KB080/.. ⊕ 2 MD63**

Certain FTP connectors may be incompatible if installed in double plates. Check compatibility.

ACCESSORY



Reference	Description
K66	90º K45 positioner for installing K45 Voice and Data plates in the vertical position in K45 TELEBLOCK, K45 Columns and Mini-columns.

FLAT K45 PLATES FOR CONNECTORS OF OTHER BRANDS

MANUFACTURERS	With dust protector			Without dust protector		
	1 connector (half mechanism)	1 connector	2 connectors	1 connector (half mechanism)	1 connector	2 connectors
FINISHES	/9 /14					
SIMON CONNECT®	**KA67/..**	**K67/..**	**KB67/..**	**-**	**K067/..**	**KB067/..**
3M® Volition OCK®				**KA045/..**	**K045/..**	**KB045/..**
AMP netconnect® (TYCO ELECTRONICS®)						
• Standard 110	**KA67/..**	**K67/..**		**-**	**K067/..**	**-**
• SL110 y SL toolless	**KA67/..**	**K67/..**	**KB67/..**	**-**	**K067/..**	**KB067/..**
• 216000 y 216005	**KA64/..**	**K64/..**	**-**	**-**	**K064/..**	**-**
BeldenCDT® (NORDX®)						
• Giga Flex MDVO	**KA68/..**	**K68/..**	**KB68/..**	**-**	**K068/..**	**KB068/..**
• Giga Flex Keystone	**KA64/..**	**K64/..**	**KB64/..**	**-**	**K064/..**	**KB064/..**
BRAND-REX® (BICC®)	**KA67/..**	**K67/..**	**-**	**-**	**K067/..**	**-**
ERSYS®	**KA64/..**	**K64/..**	**KB64/..**	**-**	**K064/..**	**KB064/..**
GENERAL CABLE®	**KA64/..**	**K64/..**	**KB64/..**	**-**	**K064/..**	**KB064/..**
IBM®	**-**	**K87/..**	**KB87/..**	**-**	**K087/..**	**KB087/..**
INFRA +®	**KA75/..**	**K75/..**	**KB75/..**	**-**	**K075/..**	**KB075/..**
ITT CANNON®	**KA65/..**	**K65/..**	**KB65/..**	**-**	**K065/..**	**KB065/..**
KRONE®						
• Serie KM8 keystone	**KA64/..**	**K64/..**	**KB64/..**	**-**	**K064/..**	**KB064/..**
• Serie HK keystone	**-**	**K82/..**	**-**	**-**	**K082/..**	**-**
MOLEX®	**KA64/..**	**K64/..**	**KB64/..**	**-**	**K064/..**	**KB064/..**
NEXANS®	**KA85/..**	**K85/..**	**KB85/..**	**-**	**K085/..**	**KB085/..**
ORTRONICS®						
• Clarity TracJack	**-**	**-**	**-**	**K281/..**	**-**	**-**
• Clarity TechChoice Keystone	**KA64/..**	**K64/..**	**KB64/..**	**-**	**K064/..**	**KB064/..**
PANDUIT®	**KA69/..**	**K69/..**	**KB69/..**	**-**	**K069/..**	**KB069/..**
R&M® (REICHLE DE MASSARI®)	**-**	**-**	**-**	**-**	**K054/..***	**-**
RIT®	**KA67/..**	**K67/..**	**KB67/..**	**-**	**K067/..**	**KB067/..**
SIEMON®						
Serie MAX	**-**	**-**	**-**	**-**	**-**	**KB72/9**
Serie MAX Keystone	**KA64/..**	**K64/..**	**KB64/..**	**-**	**K064/..**	**KB064/..**
SYSTIMAX® (AVAYA®) (ATT®)	**KA63/..**	**K63/..**	**KB63/..**	**-**	**K063/..**	**KB063/..**

Certain FTP connectors may be incompatible if installed in double plates. Check compatibility.

/.. Finish

90º positioner for Voice and Data plates installed in K45 TELEBLOCK and vertical sections

FINISHES

/8 Painted aluminium

/9 Pure white Ral 9010

/14 Graphite grey Ral 7021

* Check availability

K45 DIRECT SNAP-FIT RANGE

VDM VOICE, DATA & MULTIMEDIA

K45 MULTIMEDIA PLATES

Audiovisual, TV and SAT

- New audiovisual plates for **multimedia connections** of projectors or **video conferencing.**
  Especially suitable for installation in meeting rooms, auditoriums, mixing rooms, etc.
  They work with both K45 direct snap-fit coverings and with CIMA boxes through adapter plates.

- **Centralisation of equipment for Video conferencing**

CONFIGURATION EXAMPLES

1 MULTIMEDIA STATION IN CONFERENCE ROOMS

Amount	Ref./Finish	Description
Covering		
1	KTLE205	Five-mechanism K45 TELEBLOCK with automatic elevation
1	KTLA1/31	Frame and trim cover, matt chrome-plated
Electrical sockets and plates		
1	K304	Unipolar, 16A K45 push-button with pilot light
1	K114/14	K45 one-mechanism button with transparent viewer, graphite-grey
2	K128A/14	K45 ½-mechanism plate with 1 female USB-A connector, graphite-grey
1	K122/14	K45 plate for XLR connector, graphite-grey
1	K11/14	K45 Schuko electrical socket with screw terminal connection, graphite-grey
1	KB8096U/14	K45 angled plate with dust protector and 2 RJ45 Cat 6 UTP sockets, graphite-grey
1	K66	90º positioner for K45 VDM plates
1	K20/14	K45 cable input plate with retainer included, graphite-grey

2 MEETING ROOMS WITH MULTIPLE COMPUTER CONNECTIONS

Amount	Ref./Finish	Description
Covering		
1	KFP105/14	K45 OFIBLOCK PLUS with 5 useful mechanisms, graphite
Electrical sockets and plates		
2	K100A/8	K45 plate with 1 female VGA HD15 connector, aluminium
7	K101A/8	K45 plate with 2 RCA audio connectors, aluminium
3	K102D/8	K45 plate with 1 BNC 75Ω connector, aluminium

K45 TV-SAT SOCKETS

	References/Finishes		Description
	New product **K130A ***		K45 plate with male TV socket + IEC universal female SAT. Connection by screw
	K120A	/8 /9 /14	K45 plate with IEC simple male TV socket. Connection by screw
	K102B		K45 ½-mechanism plate with one IEC simple female TV socket. Connection by soldering
	K102C		K45 ½-mechanism plate with one simple female satellite socket. Connection by soldering

CONEXIONES MULTIMEDIA

	New product **K126A***		5 VDC feeder through USB port. Allows charging PDA's, mobile phones, etc.
	New product **K127A***		USB hub for expanding USB ports. 1 input, 4 outputs
	K128A		K45 ½-mechanism plate with 1 female USB-A connector Connection by soldering
	K100A		K45 ½-mechanism plate with 1 female VGA HD15 connector Connection by soldering
	K101A	/8 /9 /14	K45 ½-mechanism plate with 2 RCA audio connectors (red and black). Connection by soldering
	K123A		K45 ½-mechanism plate with one 3.5-mm stereo mini-jack connector. Connection by soldering
	K103A		K45 ½-mechanism plate with 1 female S-Video connector. Connection by soldering
	K102D		K45 ½-mechanism plate with 1 BNC 75 Ω connector. Connection by soldering
	K104A		K45 ½-mechanism plate with 1 female SUBD 25 connector Parallel port. Connection by soldering

K45 PLATES FOR XLR CONNECTORS (D SERIES FORMAT FROM NEUTRIK®, AMPHENOL®, SWITCHCRAFT®, ETC)

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

FINISHES

- /8 Painted aluminium
- /9 Pure white Ral 9010
- /14 Graphite grey Ral 7021

* Check availability

K45 DIRECT SNAP-FIT RANGE

DIRECT SNAP-FIT

K45 PLATES FOR OPTICAL FIBRE

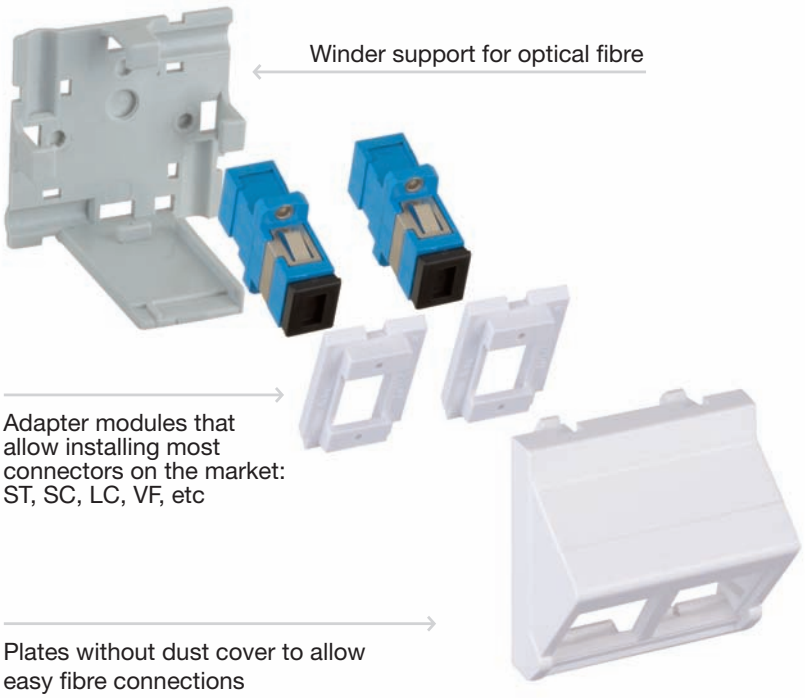
Ready for the future

Fibre all the way to the workstation

At SIMON CONNECT® we are one step ahead of the future and have believed in fibre access to workstation terminals for some time now.

We therefore have a broad range of plates for most optical fibre connectors on the market.

Angled plates with the **AC80 optical**, fibre support winder accessory



CONFIGURATIONS

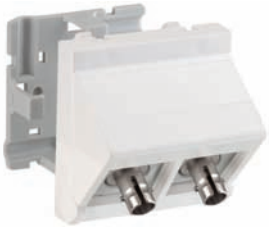


Plate mounted with ST connectors and winder support for optical fibre.

Plate mounted with SC duplex connectors and optical fibre winder support.

MORE OPTICAL FIBRE ELEMENTS AT:

New product

Rack cabinet

more information page 178

Distribution trays

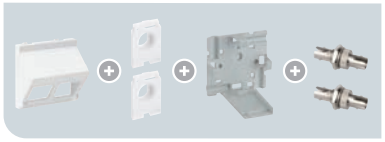
more information page 190

Adapters and connectors

more information page 190

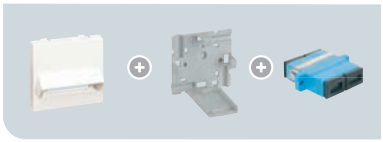
References/Finishes	Description

K45 PLATES WITH 2 ST ADAPTERS



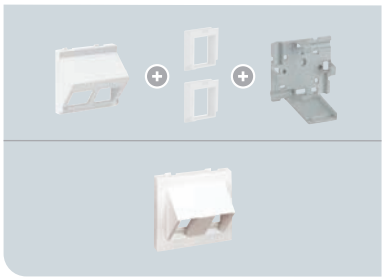
KB080 /9 ⊕ 2 **MD59** ⊕ **AC80** ⊕ 2 **CF10100**	Angled K45 plate with 2 ST adapters and fibre optic winder support (optional)

K45 PLATES WITH 1 SC DUPLEX ADAPTER



K74 /9 ⊕ **AC80** ⊕ **CF10200**	Angled K45 plate with 1 SC adapter and fibre optic winder support (optional)

K45 PLATES FOR 2 INDIVIDUAL SC's (WITHOUT CONNECTORS)



KB080 /9 ⊕ 2 **MD74** ⊕ **AC80**	Angled K45 plate for 2 SC simplex connectors with fibre optic winder support (optional)
KB74 /9	Angled K45 plate for 2 SC simplex connectors (does not allow AC80)

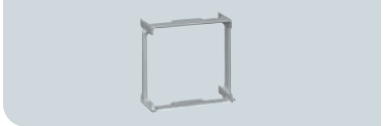
K45 PLATES FOR LC (WITHOUT CONNECTORS)

K080 /9 ⊕ 1 **MD62** ⊕ **AC80**	Angled K45 plate for 1 LC connector and fibre optic winder support (optional)

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

K080 /9 ⊕ 1 **MD45**	Angled K45 plate for 1 VF-45 connector from 3M®

ACCESSORIES



AC80	Optical fibre winder support for K080/.., KB080/.. and K74/… plates
K66	90° K45 positioners for installing Voice and Data plates in the vertical position on K45 columns and K45 TELEBLOCK See installation sequence on page 95

FINISHES

/9 Pure white Ral 9010

K45 DIRECT SNAP-FIT RANGE

DIRECT SNAP-FIT

K45 PLATES FOR QUICK-CONNECTION SYSTEM

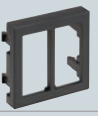
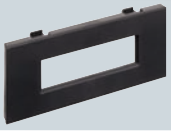
K45 PLATES WITH IEC320 QUICK-CONNECTION CONNECTORS

	References/Finishes		Description
	K305A	/9 /14	K45 plates with 1 male IEC320 quick connector
	K306A		K45 plates with 1 female IEC320 quick connector

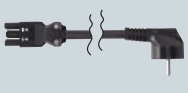
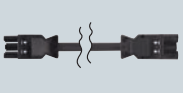
K45 PLATES WITH QUICK-CONNECTION CONNECTORS

	References/Finishes		Description
	New product **KB18A**	/14	K45 plate with 1 graphite-grey 3-pole male quick-connection connector and 1 red 3-pole male quick-connection connector
	K121A	/9 /14	K45 plate with 1 K45-format 3-pole male quick connector
	K121B		K45 plate with 1 K45-format 3-pole female quick connector

K45 PLATES FOR QUICK-CONNECTION CONNECTORS

	K121	/9 /14	K45 plates for 1 male or female quick-connection connector 3 poles
	K18		K45 plate for one 3-pole male or female quick-connection connector.
	**KB18**		K45 plate for two 3-pole male or female quick-connection connector.
	**K18W5**		K45 plate for one 5-pole male or female quick-connection connector.

OTHER QUICK CONNECTION ELEMENTS

3-pole connectors		Patch cords		5-pole connectors	
					

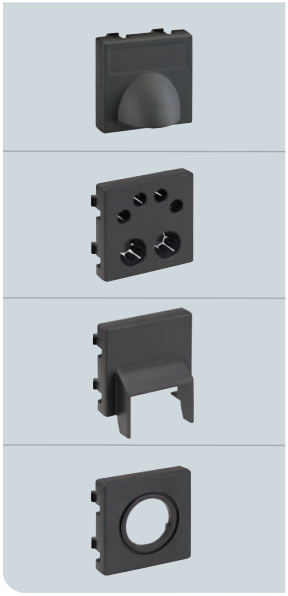
See quick connection on page 194

K45 DIRECT SNAP-FIT RANGE

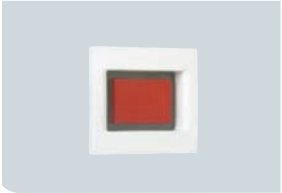
DIRECT SNAP-FIT

ASSORTED K45 PLATES

K45 PLATES FOR CABLE OUTLET

	References/Finishes	Description
	**K10** /8 /9 /14	K45 plate for cable outlet. Includes rings for holding cables using flanges.
	K20	K45 cable outlet plate with retainer included (2 at Ø13 mm and 4 at Ø6 mm)
	K21 /9 /14	K45 plate for 20x20 trunking entry for OFIBLOCK PLUS
	K19	K45 plate for Ø22-mm tube or cable seal and Ø29-mm pre-punched hole

K45 SIGNALING AND BEACONING PLATES

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

K45 BLIND PLATES AND MECHANISM ADAPTER ACCESSORY

	K105 /8 /9 /14	K45 plate, blind half mechanism
	K17	Blind K45 plate
	AC4550 /9	50-mm adapter to K45 for K45 mechanisms on columns or mini-columns with 50-mm cover

FINISHES

/8 Painted aluminium

/9 Pure white Ral 9010

/14 Graphite grey Ral 7021

TECHNICAL INFORMATION

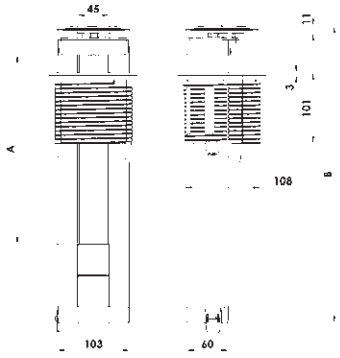
Plastic parts manufactured using thermoplastic, self-extinguishing, halogen-free materials, which prevent flames from spreading during a fire and guarantee low toxicity in the event that any smoke is released.

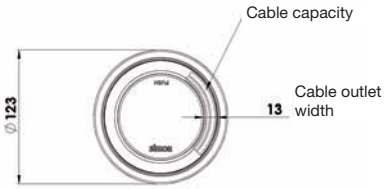
HALOGEN-FREE, SELF-EXTINGUISHING MATERIAL

K45 TELEBLOCK

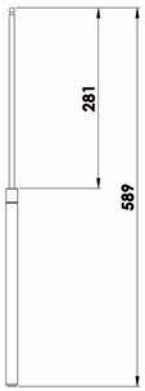
- Product designed according the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with harmonised standard UNE-EN-60.670.
- EC-marked product.
- IP protection level: 4x
- The recommended temperature range during installation is: - 5ºC to + 60ºC
- The maximum temperature during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

K45 TELEBLOCK





Gas cylinder

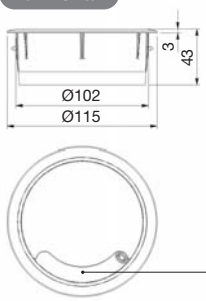


Technical data of gas cylinder:
Ø 18 – 8 mm
Piston stroke: 271 mm
Locking force: 35 N
Temperature range: -30ºC – 80ºC

References	Mechanisms	Dimensions A	Dimensions B	Opening measurements
KTL202	2	89	242	Ø114
KTL203	3	135	287	Ø114
KTL204	4	180	332	Ø114
KTL205	5	225	377	Ø114
KTL206	6	269	422	Ø114

Ref. TS10/..

Cable grommet

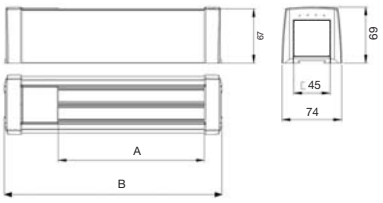


Cable cross section: 584.5 mm² useful area

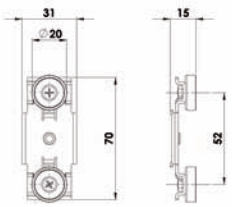
K45 OFIBLOCK PLUS

- Products designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with standard UNE-20451, equivalent to IEC standard 60670.
- EC-marked product.
- IP protection level: 4x
- The recommended temperature range during installation is: - 5ºC to + 60ºC
- The maximum temperature during construction work is + 60ºC
- Manufactured in Anodised Aluminium.

OFIBLOCK PLUS



References	Useful K45 mechanisms	Dimensions A	Dimensions B
KFP103/..	3	135	220
KFP104/..	4	180	265
KFP105/..	5	225	310
KFP106/..	6	270	355
KFP107/..	7	315	400
KFP108/..	8	360	446



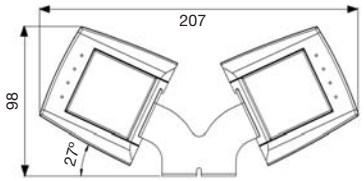
NEODYMIUM magnet

Ref. KSF6

Ø	Height	Weight	Force
20mm	6mm	12,5 Gr	9 Kg

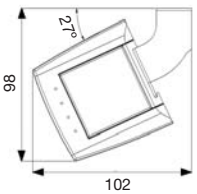
Ref. KSF2

Support on raised floor (tandem configuration)



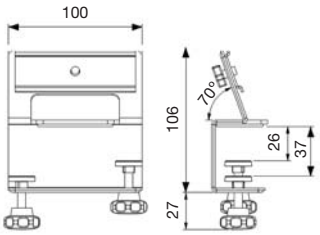
Ref. KSF1

Single support under desk



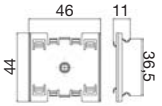
Ref. KSF3

Desktop support



Ref. KSF5

Anchor support on DIN guide



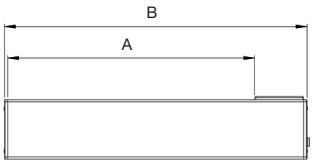
Information on Quick Connection and Cable Outlet plates on page 112

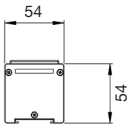
Measurements in mm

K45 OFIBLOCK COMPACT

- Products designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with standard UNE-20451, equivalent to IEC standard 60670.
- Products with the EC mark.
- IP protection level: 4x
- The recommended temperature range during installation is: - 5ºC to + 60ºC
- The maximum temperature during construction work is + 60ºC
- Manufactured in Anodised Aluminium

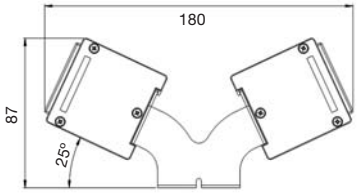
OFIBLOCK COMPACT



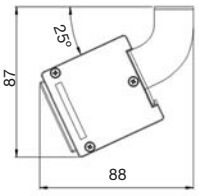


References	Mechanisms useful K45	Dimensions A	Dimensions B
KFC102/..	2	90	135
KFC103/..	3	135	180
KFC104/..	4	180	225
KFC105/..	5	225	270
KFC106/..	6	270	315
KFC107/..	7	315	360
KFC108/..	8	360	405
KFC109/..	9	405	450
KFC110/..	10	450	495

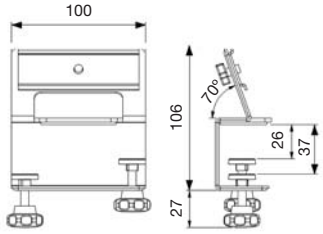
Support on raised floor (tandem configuration) Ref. KSF2



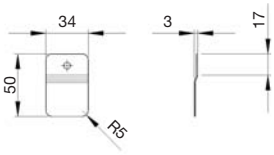
Individual support below desk Ref. KSF1



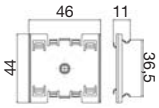
Desktop support Ref. KSF3



Fastening support wall Ref. KSF4

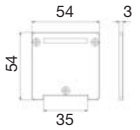


Anchor support on DIN guide Ref. KSF5

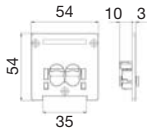


Modular side input covers

Ref. ACFC01/24

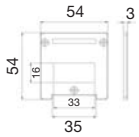


Ref. ACFC02/24

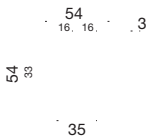


Cable cross-section.
Maximum of Ø8 mm/
Minimum of Ø3.5 mm

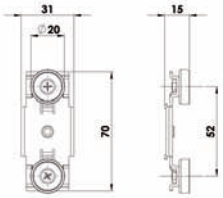
Ref. ACFC03/24



Ref. ACFC04/24



NEODYMIUM magnet Ref. KSF6



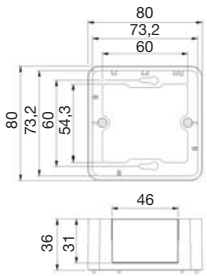
Ø	Height	Weight	Force
20mm	6mm	12,5 Gr	9 Kg

K45 SURFACE AND FLUSH-MOUNT BOXES

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with standard UNE-20451, equivalent to IEC standard 60670.
- Products with the EC mark.
- IP protection level: 4x
- The recommended temperature range during installation is: - 5ºC to + 60ºC
- The maximum temperature during construction work is + 60ºC (surface)/+ 90ºC (flush-mount)

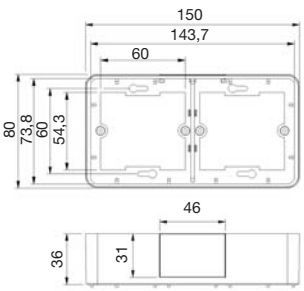
Individual surface box

Ref. R250/..



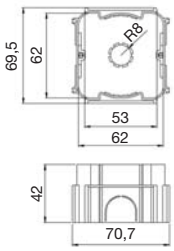
Double surface box

Ref. R450/..



Universal box for flush-mounting

Ref. MR200

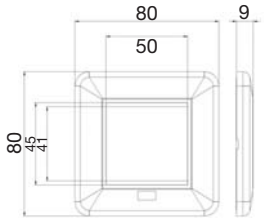


Measurements in mm

TECHNICAL INFORMATION

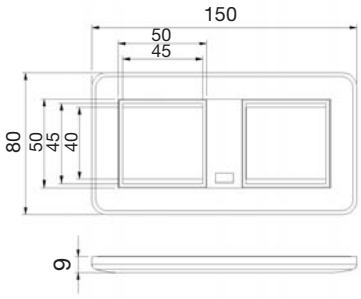
Individual frame and centre frame

Ref. KR245/..



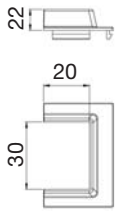
Double frame and centre frame

Ref. KR445/..

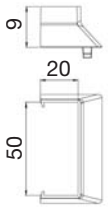


Access to Mini-trunking

Ref. SCM21F/9



Ref. SCM31F/9



K45 WATERTIGHT FLOOR BOXES, IP66

- Product designed according the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with standard UNE-20451, equivalent to IEC standard 60670.
- EC-marked product
- The recommended temperature range during installation is: - 25ºC to + 60ºC
- The maximum temperature during construction work is + 90ºC

CLOSED BOX

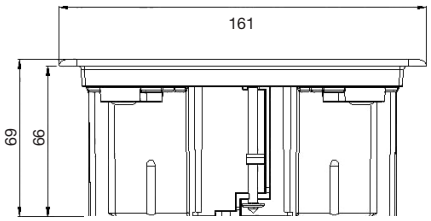
- IP66 protection level
- Impact protection level: IK07 (with IP66)
- Maximum load per unit of area: 12 kg/cm^2
- Total maximum load: 1000 Kg

OPEN BOX

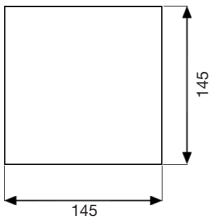
- IP20 protection level
- Impact protection level: IK06
- Maximum load per unit of area: 4 kg/cm^2
- Total maximum load: 100 Kg

Raised floor tray

Ref. KGE170TF/23

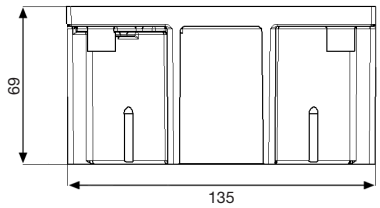


Space measurements

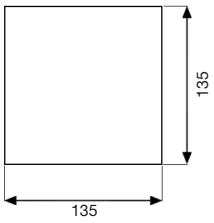


Tile Floor Tray

Ref. KGE170/23

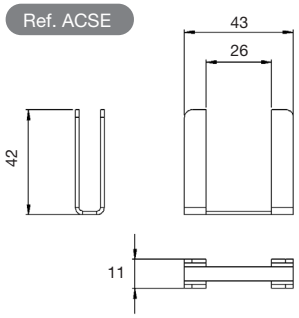


Space measurements



Connecting accessory

Ref. ACSE



Safety lock: 6-mm Allen wrench.

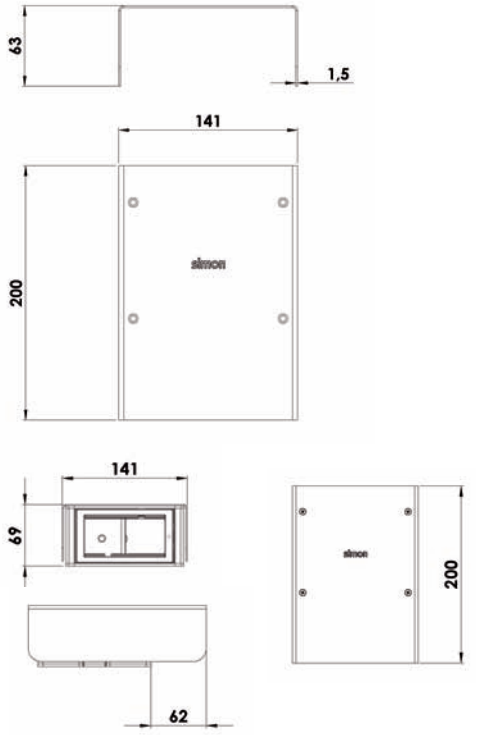
Measurements in mm

K45 TAMPER-PROOF MINI-TOWERS

- Product designed according to the Safety Requirements of Directive 2006/95/EC (Low Voltage) through compliance with harmonised standard UNE-EN-50085
- EC-marked product
- Manufactured in anodised aluminium and stainless steel
- IP protection level: 4x
- The recommended temperature range during installation is: - 25ºC to + 120ºC
- The maximum temperature during construction work is + 120ºC

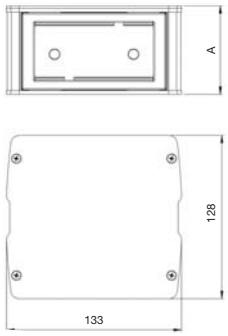
Mini-tower with protective sheath

KTA401/8



Mini-tower

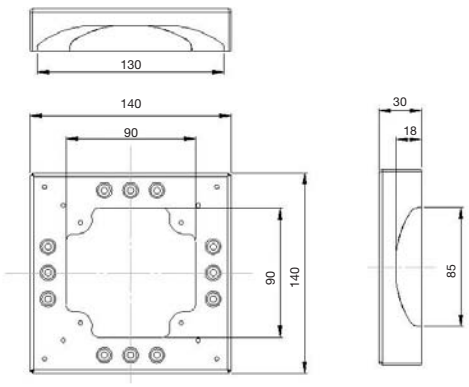
KTXXX/8



References	Mechanisms K45	Height A	Impact resistance
KT400/8	2	70	IK10
KT800/8	4	130	IK10
KT1200/8	6	190	IK08

Base

KT800/8



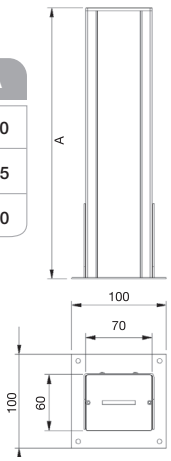
K45 TAMPER-PROOF MINI-TOWERS

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

Mini-columns

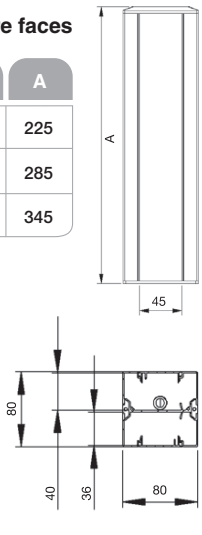
1 Face

N mech.	A
5	270
6	315
7	360



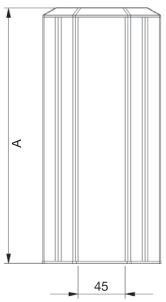
2 Square faces

N mech.	A
4	225
5	285
7	345



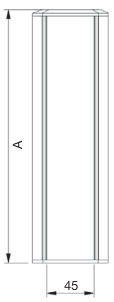
4 Faces

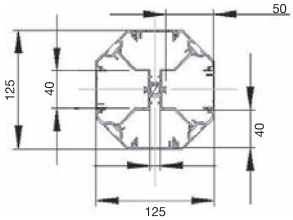
N mech.	A
4	210
5	260
6	310

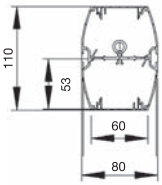


2 Oval faces

N mech.	A
4	210
5	260
6	310





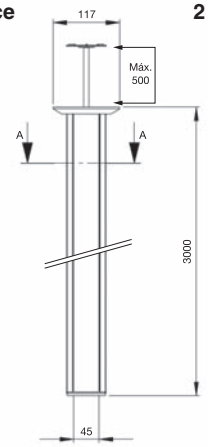


Measurements in mm

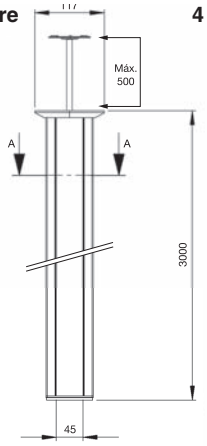
TECHNICAL INFORMATION

Columns

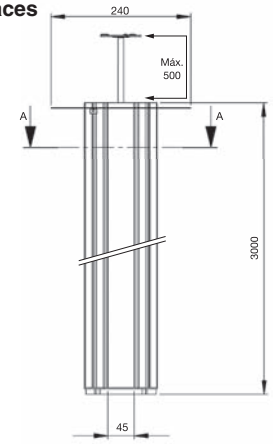
1 Face



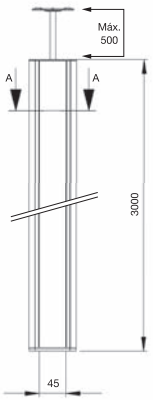
2 Square faces



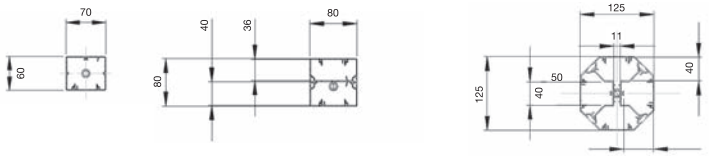
4 Faces



2 Oval faces



N.B.
500-mm telescopic guide, maximum length.

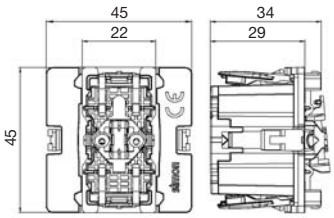


UNIPOLAR, 16A SWITCHING MECHANISMS

- Product designed according the safety requirements of Directive 2006/5/EC (Low Voltage) through compliance with the harmonised standard UNE-EN 60669
- EC-marked product
- Electrical specifications: 16AX / 250V~

Mechanisms

Ref. K301 | Ref. K302 | Ref. K303 | Ref. K304

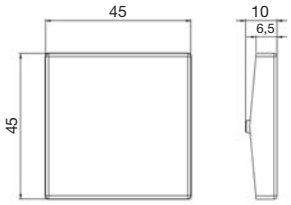


Connection schematics

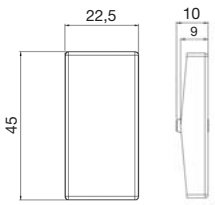
Ref. K301	Ref. K302	Ref. K303	Ref. K304

Buttons

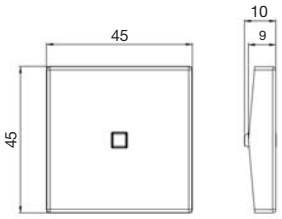
Ref. K110/..



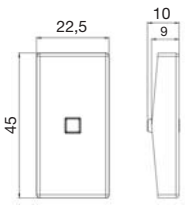
Ref. K109/..



Ref. K112/..
Ref. K114/..



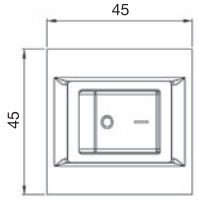
Ref. K113/..
Ref. K115/..

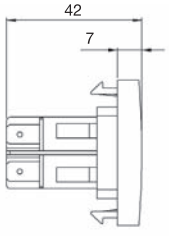


16A BIPOLAR BREAKERS

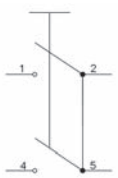
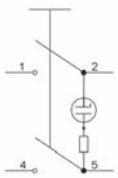
- Product designed according to the safety requirements of Directive 2006/5/EC (Low Voltage) through compliance with harmonised standard UNE-EN 60669
- EC-marked product
- Electrical specifications: 16AX / 250V~

Ref. K125A/..
Ref. KL04/..





Connection schematics

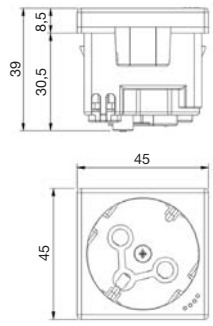
Ref. K125A	Ref. KL04
	

Measurements in mm

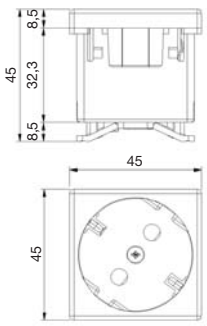
K45 ELECTRICAL SOCKETS

- Product designed according to Spanish standard UNE-20315 (Schuko sockets) or NF C 61-303 (French sockets)
- Electrical specification: 16A / 250V~
- IP protection level: 20

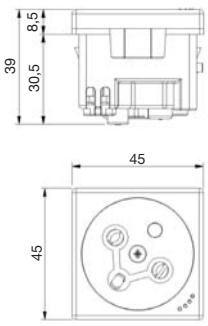
Ref. KLS01/..



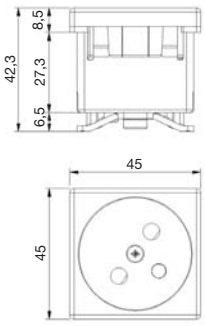
Ref. K11/..



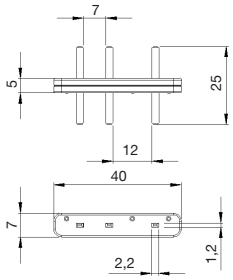
Ref. KLS02/..



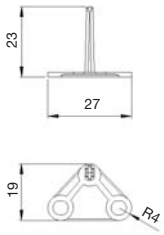
Ref. K22/..



Ref. AC11

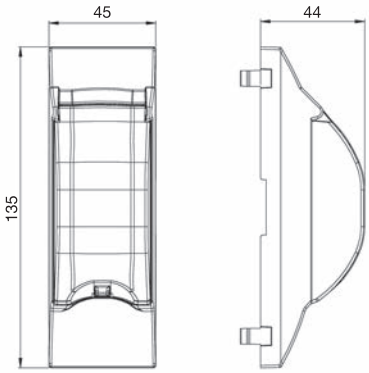


Ref. AC33

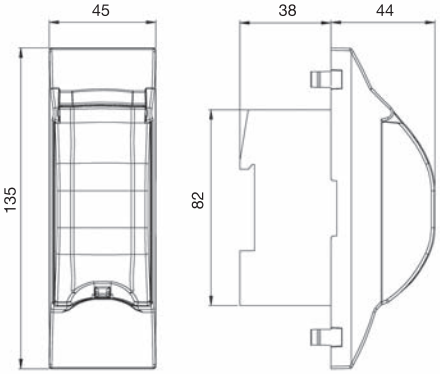


K45 PROTECTION ELEMENTS

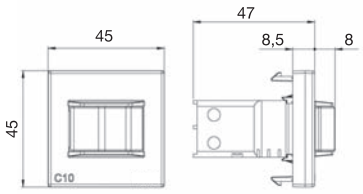
Ref. KF03/..



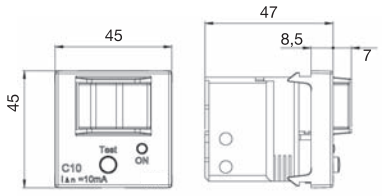
Ref. KF04x/..



Ref. K106A/..



Ref. K107A/..



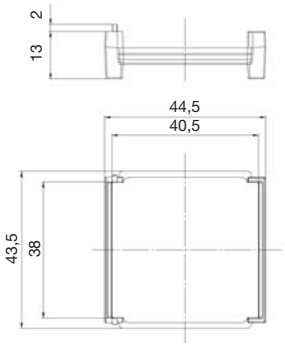
Measurements in mm

TECHNICAL INFORMATION

K45 VOICE AND DATA PLATES

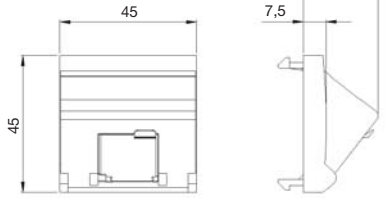
90º positioner

Ref. K66

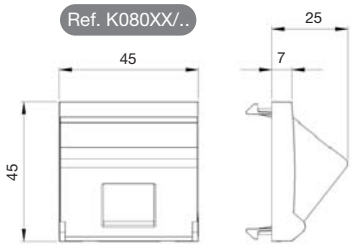


Angled plates

Ref. K80XX/..



Ref. K080XX/..



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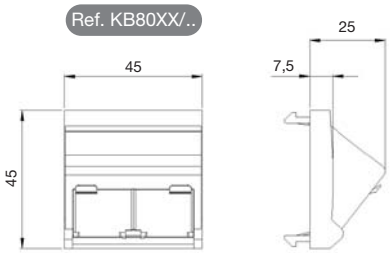

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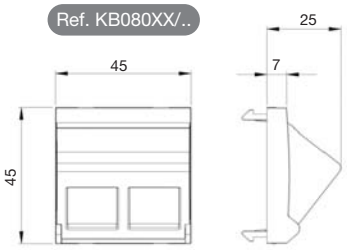
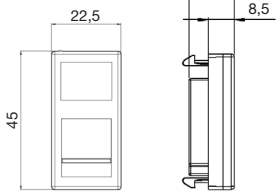
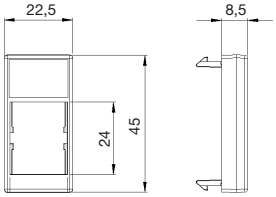


Flat plates

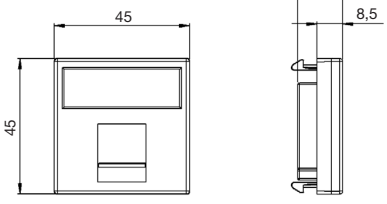
Ref. KAxx/..



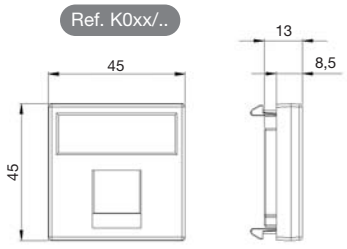
Ref. K281/..



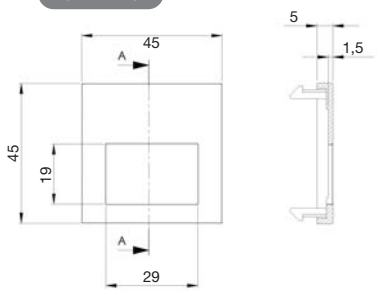
Ref. Kxx/..



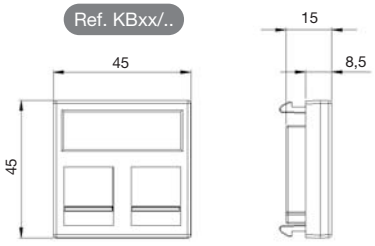
Ref. K0xx/..



Ref. KB72/..



Ref. KBxx/..



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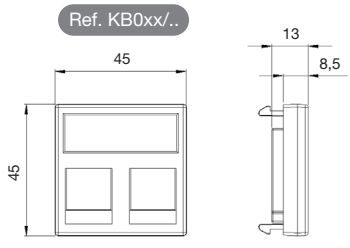
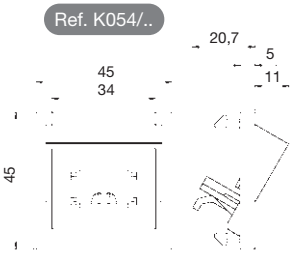


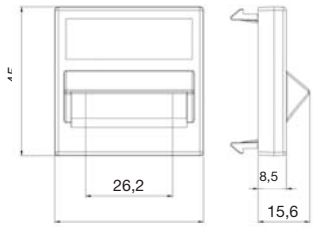
Ref. K054/..



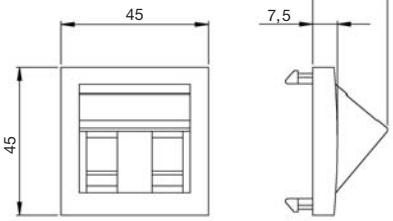
Measurements in mm

K45 PLATES FOR OPTICAL FIBRE

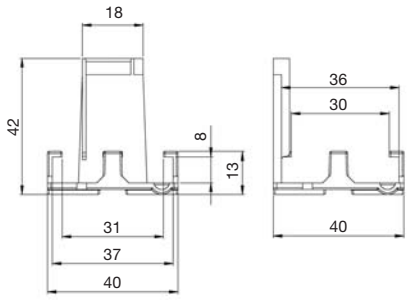
Ref. K74/..



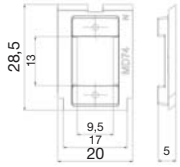
Ref. KB74/..



Ref. AC80

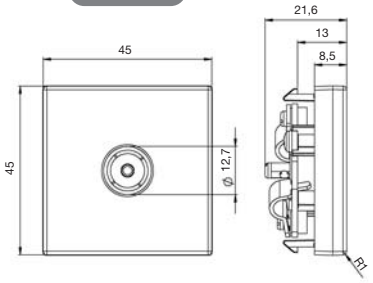


Ref. MD74

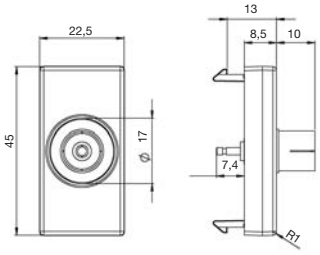


K45 MULTIMEDIA, TV AND SAT PLATES

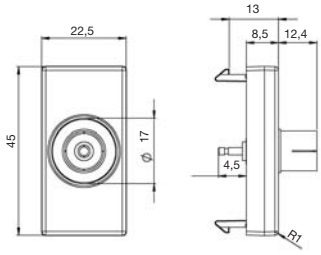
Ref. K120A/..



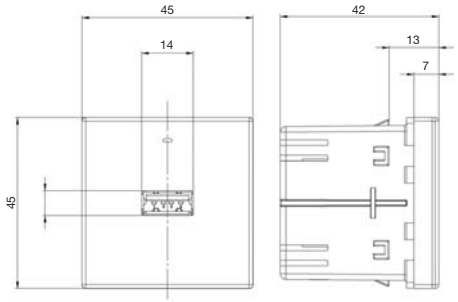
Ref. K102B/..



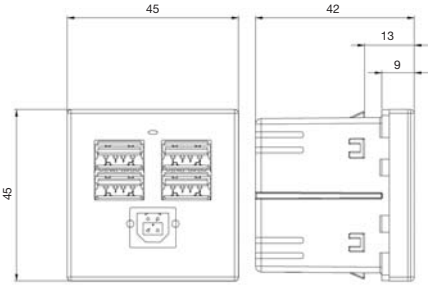
Ref. K102C/..



Ref. K126A/..



Ref. K127A/..



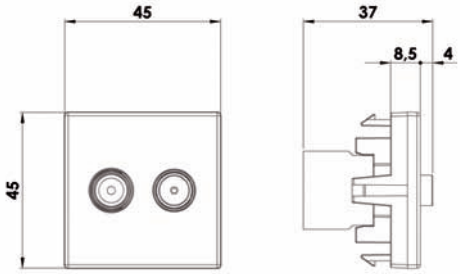
Input: V = 230 VAC ± 20% 47÷63 Hz
Output: V = 5 VDC ± 10% I = 2 A
External DC connection: 1 USB-A female port

USB 2.0
Transmission speed: 480Mps
Connection to devices: 4 USB-A female ports
Connection to PC: 1 USB-B female port
5 VDC 2A external power supply

Measurements in mm

TECHNICAL INFORMATION

Ref. K130A/..



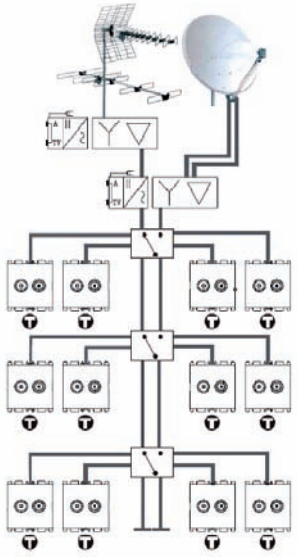
Single 5-2400 MHz direct TV-SAT socket, made up of:
- One IEC male TV connector, Ø 9.5 mm
- One type-F female SAT connector

Technical specifications:
- Tapping attenuation = 2 dB
- Maximum through current = 24 V, 500 mA (*)
- Accepted cable diameter = 4 ÷ 7 mm
- Operating temperature range = 10 ÷ 55 °C
- According to general standard EN 50083-4
- Male connector according to IEC 61169-2
- Female connector according to IEC 61169-24

(*) Direct current and control signals (max. 24V 500 mA) are only allowed through the F female connector (SAT).

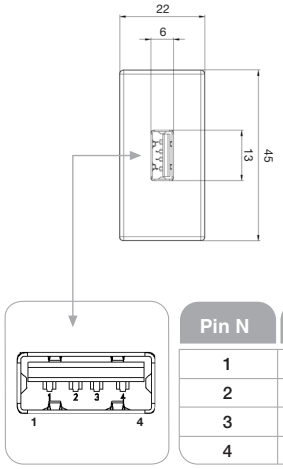
Example of TV-SAT installation on one branch

Single socket



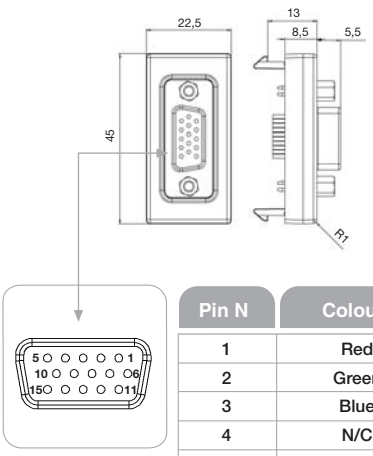
Insertion loss		Tapping loss	
TV	SAT	TV	SAT
47÷862 MHz	950÷2400 MHz	47÷862 MHz	950÷2400 MHz
-	-	= 2	= 2

Ref. K128A/..



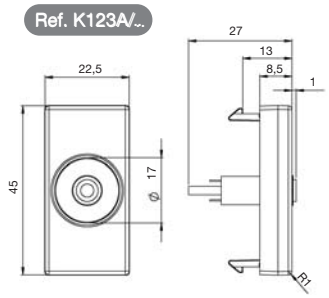
Pin N	Name	Colour	Description
1	Vcc	Red	+5v
2	D-	White	Data
3	D+	Green	Data+
4	GND	Black	⏚

Ref. K100A/..



Pin N	Colour	Description
1	Red	Red video
2	Green	Green video
3	Blue	Blue video
4	N/C	Not connected
5	Ground	Ground
6	RTN/Red	Red return
7	Green return	Green return
8	Blue return	Blue return
9	+5 V	+5 V (DDC)
10	Ground	Ground (VSync, DDC)
11	N/C	Not connected
12	SDA	I2C data
13	HSync	Horizontal sync
14	VSync	Vertical sync
15	SCL	I2C clock

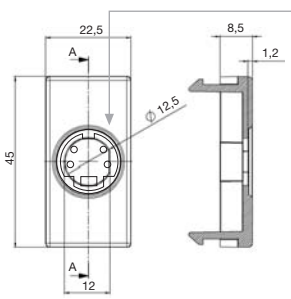
Ref. K123A/..

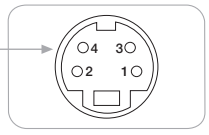


On stereo jacks	
TIP	Left channel (L)
RING	Right channel (R)
SOCKET	Ground (GND)

Measurements in mm

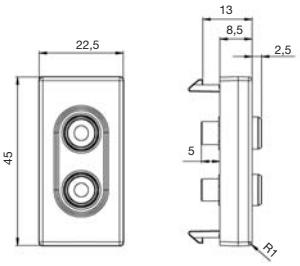
Ref. K103A/..



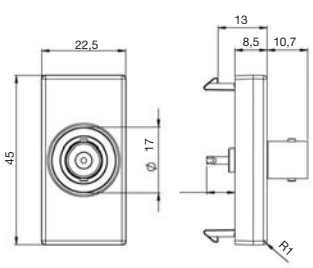


Pin N	Name	Function
1	GND	Ground
2	GND	Ground
3	Y	Intensity
4	C	Colour

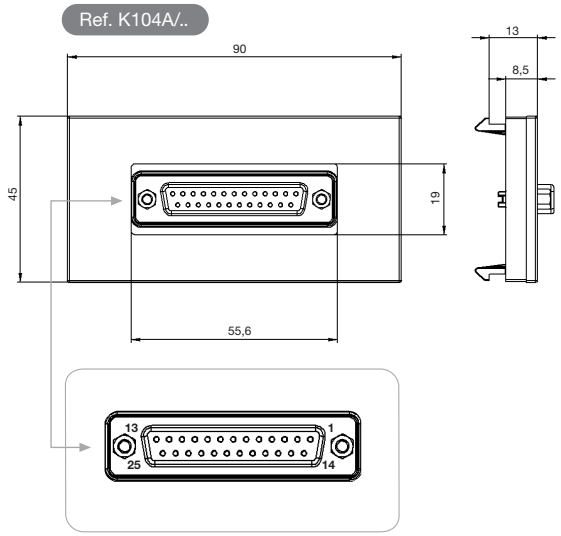
Ref. K101A/..



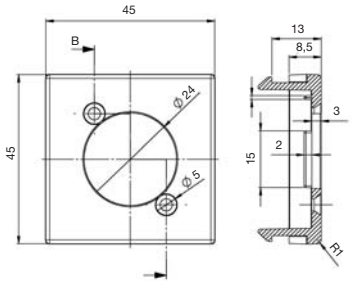
Ref. K102D/..



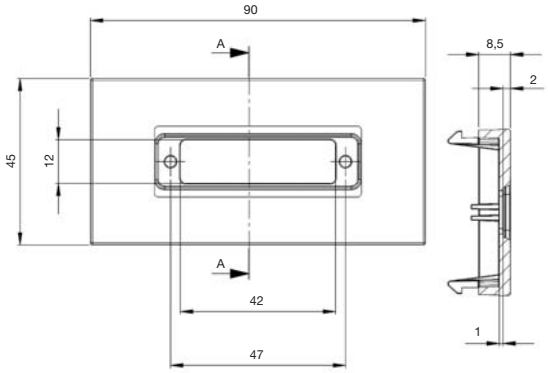
Ref. K104A/..



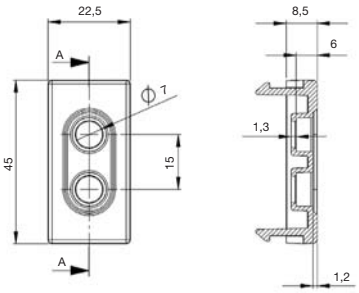
Ref. K122/..



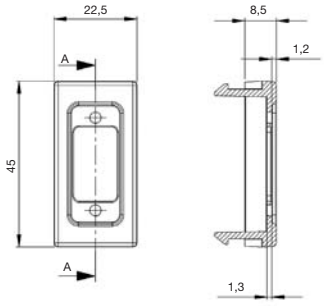
Ref. K104/..



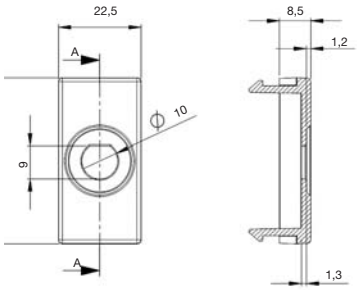
Ref. K101/..



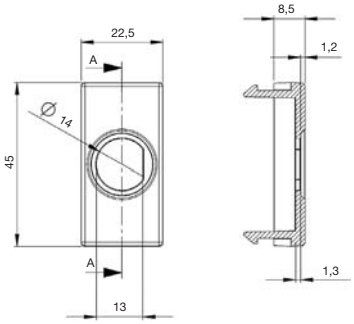
Ref. K100/..



Ref. K102/..



Ref. K103/..

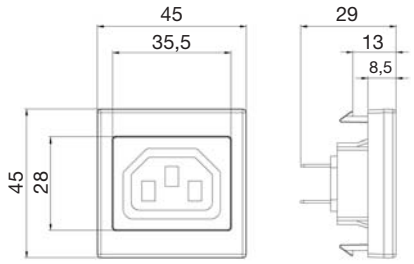


Measurements in mm

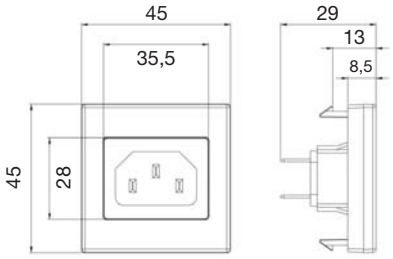
TECHNICAL INFORMATION

K45 PLATES FOR QUICK-CONNECTION

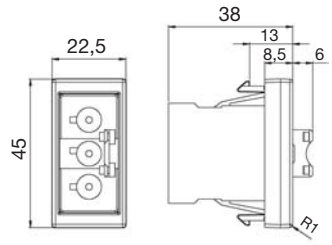
Ref. K305A/..



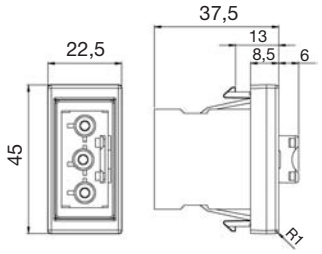
Ref. K306A/..



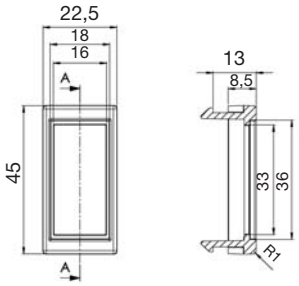
Ref. K121A/..



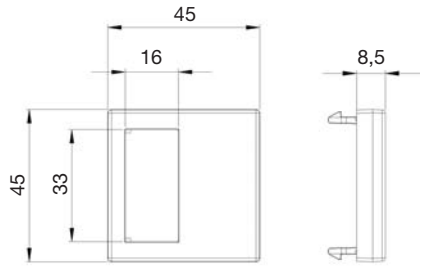
Ref. K121B/..



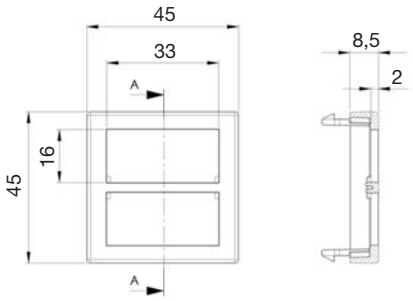
Ref. K121/..



Ref. K18/..

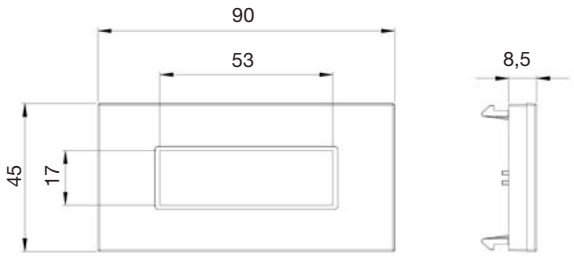


Ref. KB18/..



- For connectors with clips that are 1.5 to 2 mm thick.

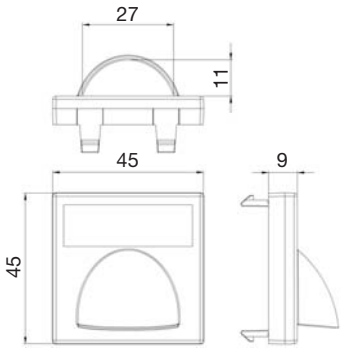
Ref. K18W5/..



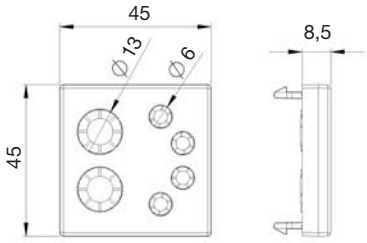
Measurements in mm

K45 CABLE OUTLET PLATES

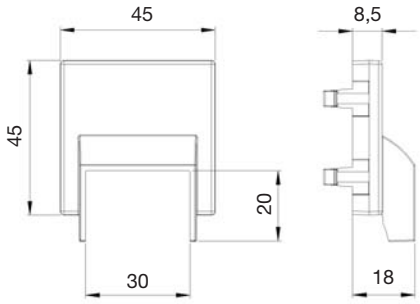
Ref. K10/..



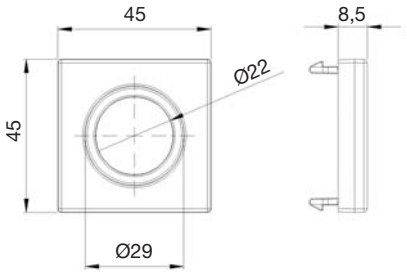
Ref. K20/..



Ref. K21/..

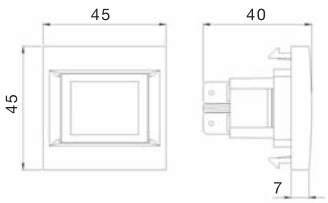


Ref. K19/..



K45 SIGNALLING AND BEACONING PLATES

Ref. KL05/..

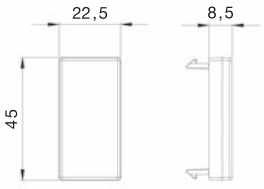


Connection schematics

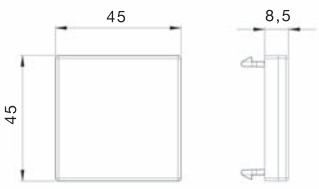
Ref. KL05/..

BLIND K45 PLATES

Ref. K105/..



Ref. K17/..



Measurements in mm