



Service pole **50**

Service pole 50

For supply of workstations from the ceiling in open-plan rooms

- Slender structures providing the minimum necessary diameter for wiring, easily adaptable
- to the space distribution and to any relocation.
- Minimalist and modern design.
- Solid aluminium structure and rigid fixing system.

Raw material

Aluminium Service pole

U24X

Service pole socket box

Compliant

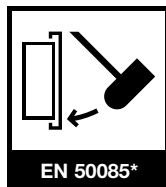


Safety

Electrical:

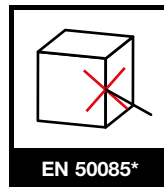


Mechanical:



- IK07

Protection degree:



- IP4X

In front of fire:



- Glow-wire test **960 °C**
- Non-flame propagator

Quality marks



Conformity declaration



Service pole 50 ►

■ Anodized aluminium grey RAL 9006

■ Socket boxes and finishing elements in grey RAL 7035

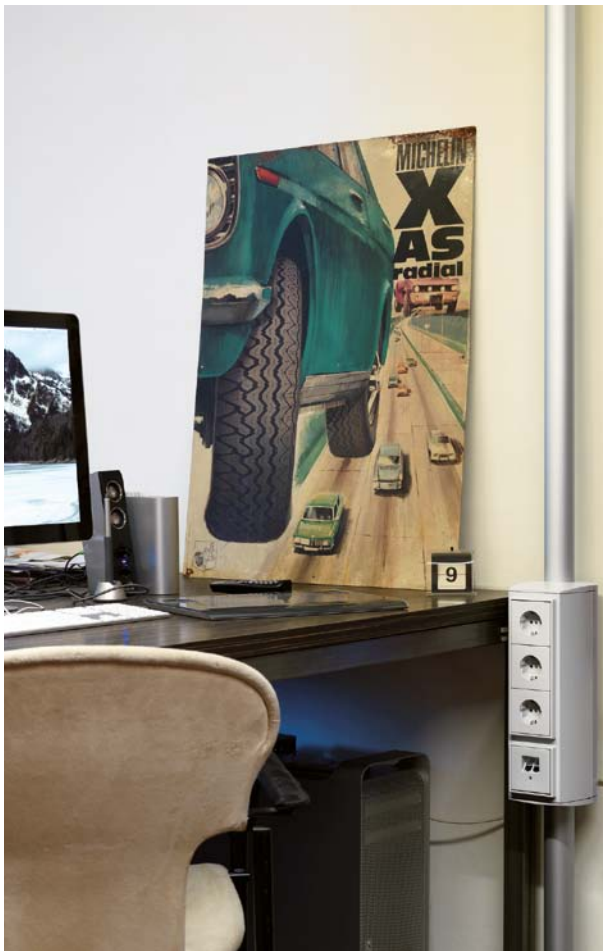
See updated information of each part number on www.unex.net

* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1





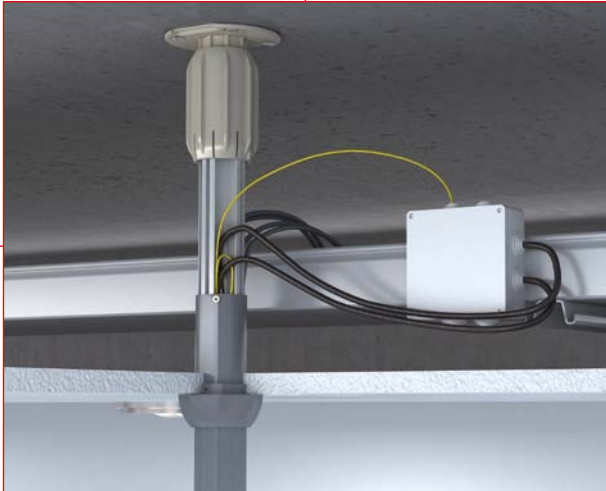
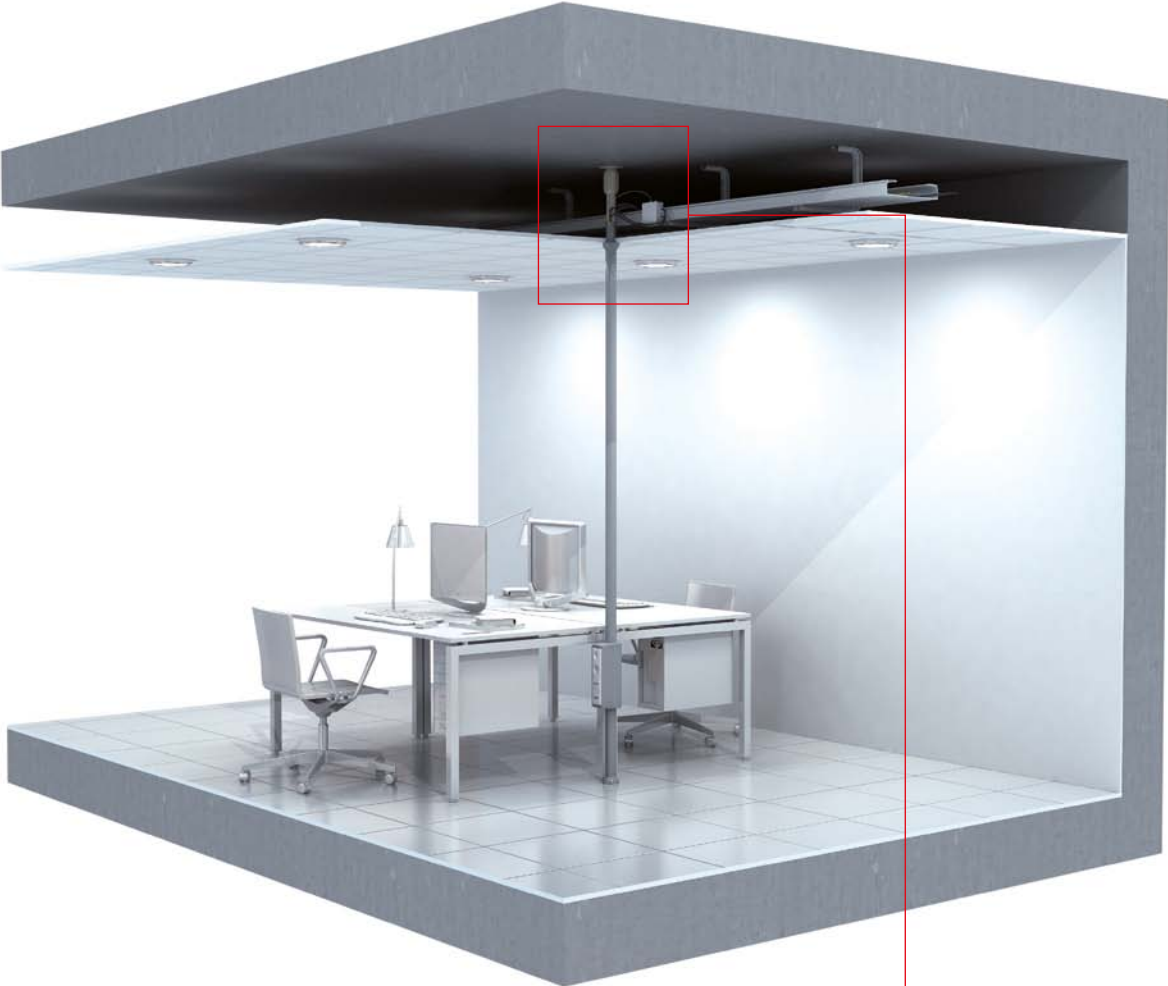
Furniture: Actiu



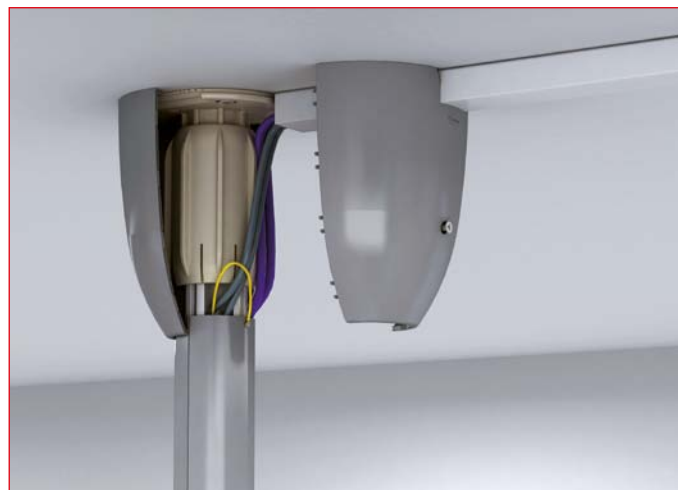


Supply options

From suspended ceiling



From the ceiling



Free choice and composition of switches and socket outlets

Two sizes of service posts and two sizes of pole's socket boxes, adapted to all types of switches and sockets:

Socket box 65 mm



45x45
x4



PLATES FOR DATA CONNECTORS
 • Flat faceplate RJ45.
 • Angled faceplate RJ45.



MODULAR
 • ABB-Zenit*
 • Simon* 27
 • Mosaic*
 • Simon Connect* K 45 (compatible with Mosaic*)
 • Eunea Unica*
 • BJC*, Sol



MODULAR DOUBLE
 • Mosaic*.
 • Simon Connect* K 45 (compatible with Mosaic*)
 • Eunea Unica*



DIN (BIPOLAR)
 • MCB's (Miniature circuit breakers)
 • RCD's (Residual current devices)

Socket box 80 mm



UNIV CEE7
(1)



PLATES FOR DATA CONNECTORS
 • Flat faceplate RJ45.
 • Angled faceplate RJ45.



UNIVERSEL (CEE 7) (1)



MODULAR
 • ABB-Zenit*
 • Simon* 27
 • Mosaic*
 • Simon Connect* K 45 (compatible with Mosaic*)
 • Eunea Unica*
 • BJC*, Sol



MODULAR DOUBLE
 • 500CIMA.
 • Mosaic*.
 • Simon Connect* K 45 (compatible with Mosaic*)
 • Eunea Unica*



MODULAR TRIPLE
 • Mosaic*.



MODULAR 25 (american) (1)
 • Bticino*.
 • Unica-Allegro* (3 modules).
 • Gewiss*.



DIN (BIPOLAR)
 • MCB's (Miniature circuit breakers)
 • RCD's (Residual current devices)

Mounting of 5 modular outlets in a socket box 80mm



1 triple adapter +
2 simple adapters

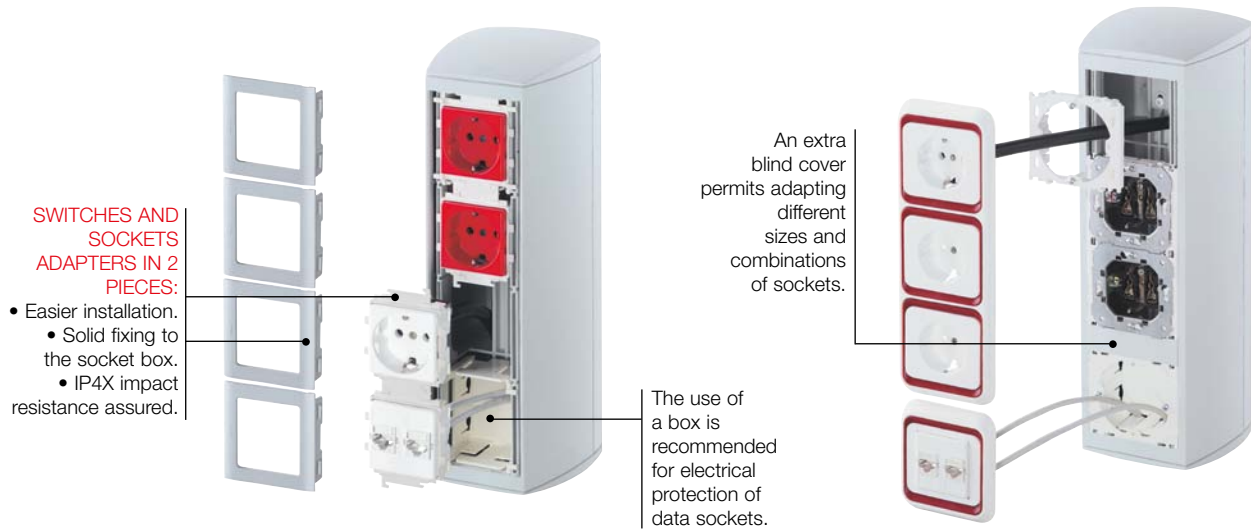


1 triple adapter +
1 double adapter

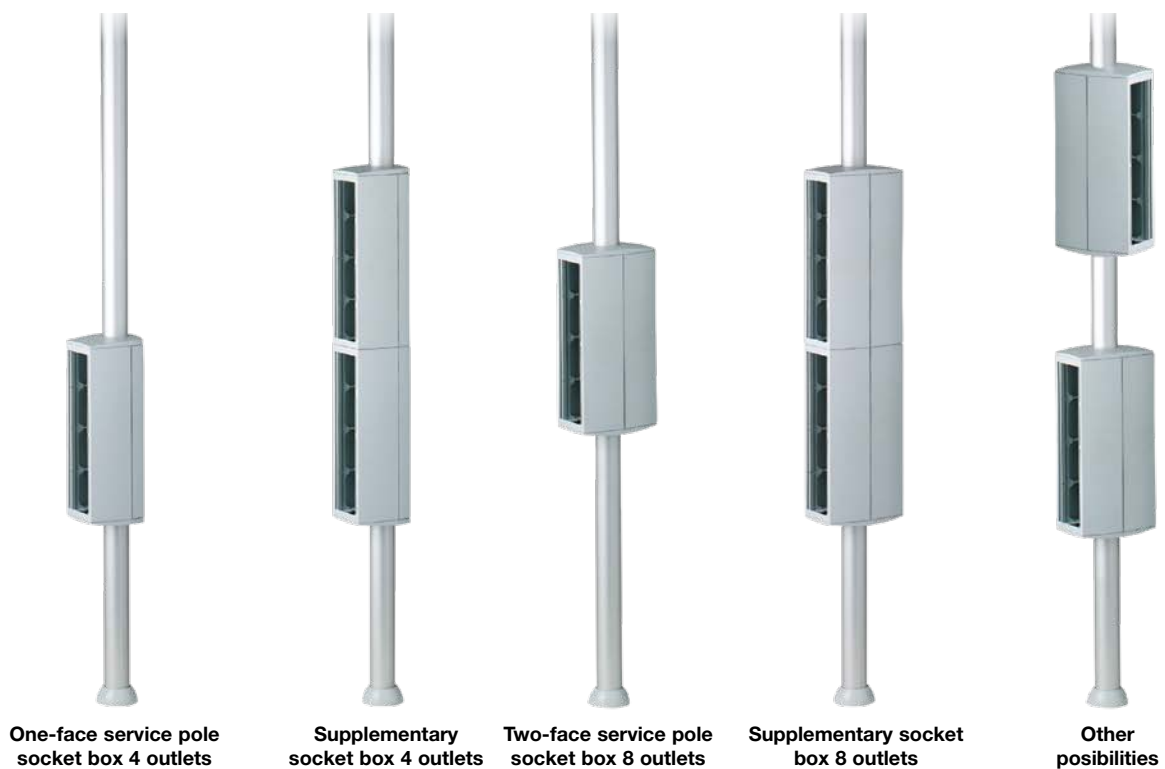
Reduced stock of fittings. Same adapters for several product families: Trunking 93, Modular box 85, Service pole 50, Service post 50 and Furniture supply 51

(1) 4 single frames not possible. Admits combinations of 1 + 3, 2 + 2 and 4 elements.

Easy mounting of switches and sockets



A system adapted to each workstation

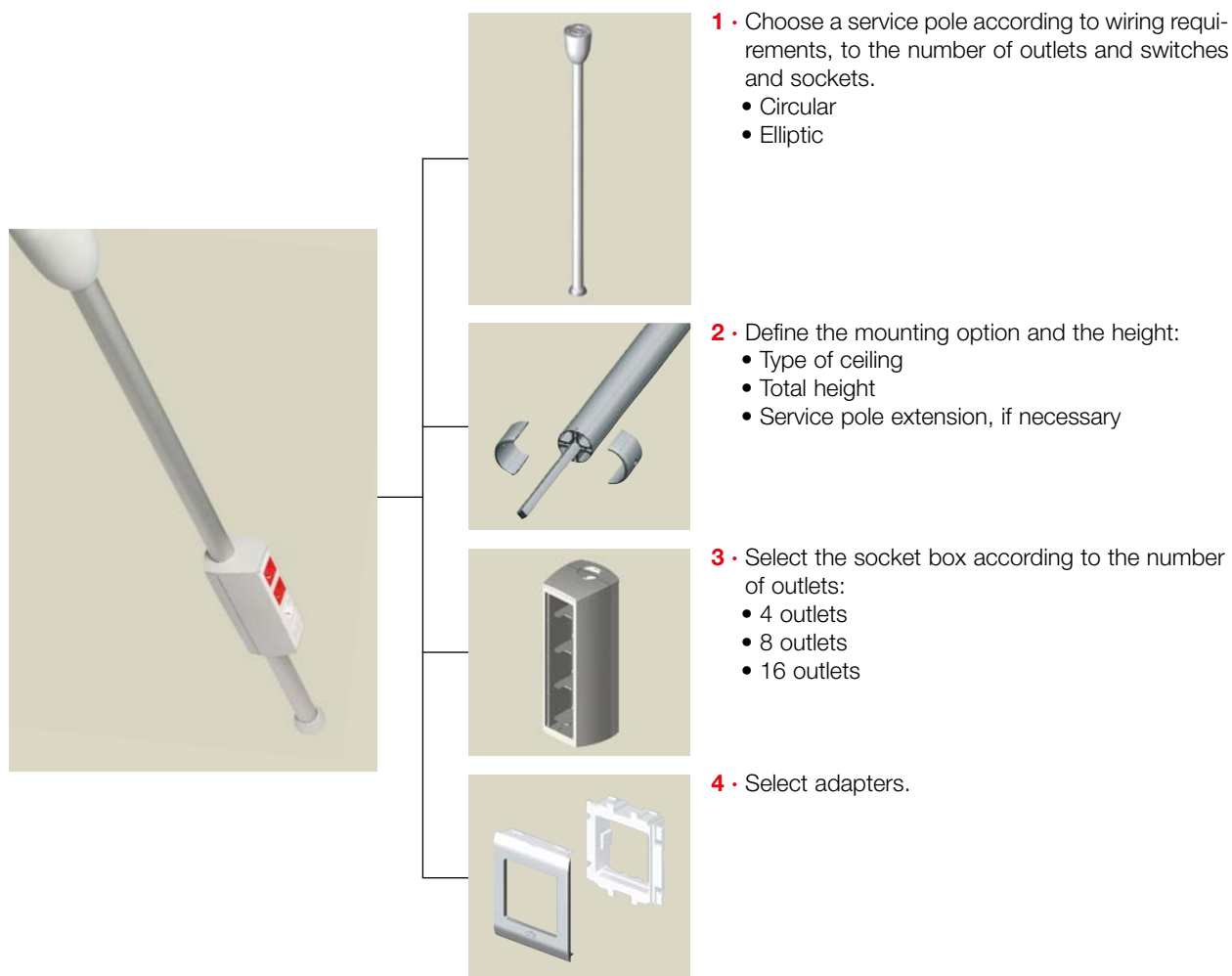


Socket boxes can be enlarged according to the requirements









Socket boxes can be enlarged according to the requirements, resulting in a flexible installation, with easy maintenance and adaptable to future modifications in the composition and location of workstations. Maximum recommended configuration: 2 double modules.

Selecting a service pole in 4 steps:

Simple process in selecting a service pole.




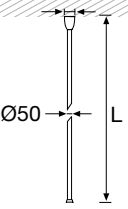
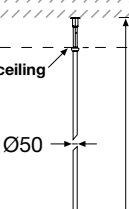
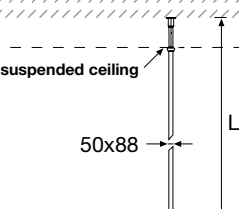


1 • Choose a service pole according to wiring requirements: 2 different cross-sections:


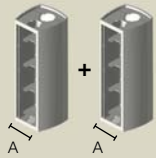

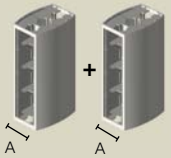


Service pole cross-section (4 compartments each pole)	Data cables (capacity in each compartment)	Power cables (capacity in each compartment)
Service pole 50 mm 	 4 cables UTP 4 pairs. Maximum Ø 5,1 mm.	 1 cable U1000 R2V 3x2,5 mm ² . Maximum Ø 13 mm.
Service pole 50x88 mm 	 8 cables STP 4 pairs. Maximum Ø 7,4 mm. or  14 cables UTP 4 pairs. Maximum Ø 5,1 mm.	 4 cables U1000 R2V 3x2,5 mm ² . Maximum Ø 10 mm. or  2 cables U1000 R2V 3x2,5 mm ² . Maximum Ø 13 mm.

2 · Define the mounting option and the height:

Determine if the mounting is from ceiling or suspended ceiling, and measure the total height in order to add, if necessary, a service pole extension.

	Service pole 50 mm for ceiling 	Service pole 50 mm for suspended ceiling 	Service pole 50x88 mm for suspended ceiling 
			
Service pole part no.	50001	50003	50043
Max. Length (L)	2,70 m	3,10 m	3,14 m
Extension part no.	50094	50094	50097
Max. Length (L) service pole + extension	3,70 m	4,10 m	4,14 m

3 · Select the socket box according to the number of outlets:

		Socket box 4 outlets		Socket box 4+4 outlets		Socket box 8 outlets		Socket box 8+8 outlets	
									
Outlets width (mm)	A	65	80	65	80	65	80	65	80
		50123	50124	50123 + 50193	50124 + 50194	50223	50224	50223 + 50293	50224 + 50294
		-	50144		50144 + 50194	-	50244		50244 + 50294

4 · Select adapters according to switches and sockets:



Easy and comfortable mounting

Ceiling fixing by pressure, with a non-skid joint

CLACK!

SUSPENDED CEILING EMBELLESING COVER

LIDS
Cut mark protection IP4X

Possibility to extend vertically

The pole inner bar and the covers are cut at the required length

The pole's foot assures high impact resistance

FLOOR EMBELLESING COVER

SERVICE POLE EXTENSION (1 M)

To reach maximum heights of: 4,10 m.
Pressure mounted no special tools.

SERVICE POLE COUPLER

Covers the union between covers providing a nice finish.

CABLE RETAINERS

Facilitate wiring and mounting of covers.

INNER BAR

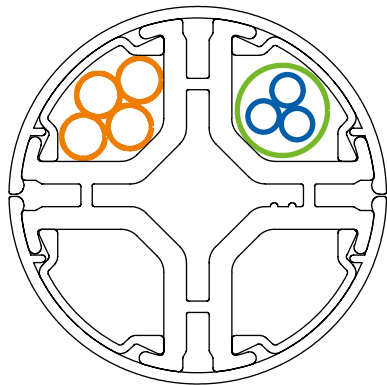
Can be cut at the necessary measure.

PACKAGING
Service pole's pieces and socket box lay in mounting position.

Useful cross-sections for wiring


Wiring example

Service pole 50 mm.




Useful cross-section = 177 mm²

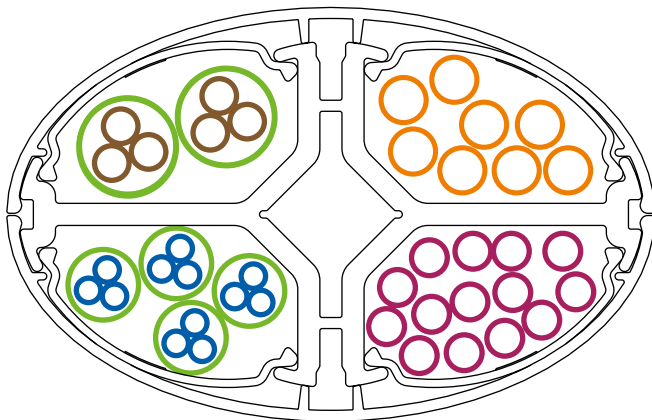
Data cable:

-  4 pcs. UTP 4 pairs.
Maximum Ø 5,1 mm.

Power cable:



-  1 p. 0,6/1kV RV-K 3G2,5.
Maximum Ø 13 mm.

Service pole 50 x 88 mm.



Useful cross-section = 558 mm²

Data cable:



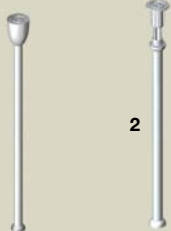


-  8 pcs. cable STP 4 pairs. Maximum Ø 7,4 mm.
-  14 pcs. cable UTP 4 pairs. Maximum Ø 5,1 mm.



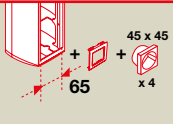
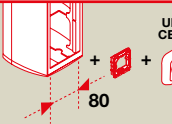
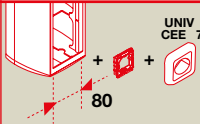
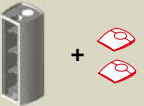
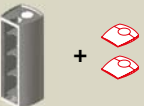


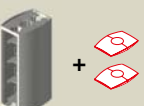


Power cable:

-  4 pcs. 0,6/1kV RV-3G2,5.
Maximum Ø 10 mm.
-  2 pcs. 0,6/1kV RV-3G2,5.
Maximum Ø 13 mm.

Note: The cables outer diameter changes from one manufacturer to another.

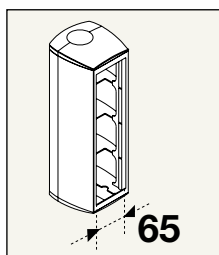
Service pole 50 in aluminium

Service pole 50		Service pole sizes (mm)	50 mm	50 x 88 mm
		Anodized Grey RAL 9006 <input type="checkbox"/>		
1		Standard service pole Maximum length = 2,70 m To install with a standard ceiling	50001	
2		Suspended ceiling service pole Maximum length = 3,10 m ref. 50003 Maximum length = 3,14 m ref. 50043 To install with a suspended ceiling	50003	50043
3		Service pole extension L = 1 m For supplementary extension of the service pole	50094	50097

Service pole socket boxes in U24X					
		Service pole sizes (mm)	50 mm	50 x 88 mm	
		Anodized Grey RAL 9006 <input type="checkbox"/>			
		Switches and sockets width (mm)	65	80	80
		Grey RAL 7035 <input type="checkbox"/>			
4		Service pole socket box 4 outlets	50123	50124	50144
4		Service pole socket box 4 outlets	50123	50124	50144
5		Service pole supplementary socket box 4 outlets	50193 (1)	50194 (1)	
6		Service pole socket box 8 outlets	50223	50224	50244
6		Service pole socket box 8 outlets	50223	50224	50244
7		Service pole supplementary socket box 8 outlets	50293 (1)	50294 (1)	
			To mount switches and sockets		
			(See table of adapters, according to the size of the cover)		

(1) Supplementary socket boxes do not include upper and lower covers. They must be combined with their matching socket box.

Adapters for the service pole's socket boxes 65 mm width



Socket box 4 outlets	Socket box 4+4 outlets	Socket box 8 outlets	Socket box 8+8 outlets
50123	50123 + 50193	50223	50223 + 50293

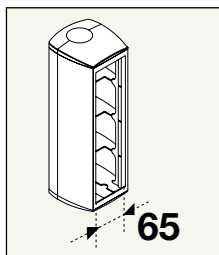
- White RAL 9010 (Part no. 93xxx-2)
- Aluminium colour RAL 9006 (Part no. 93xxx-03)

			Type of adapter	
			Simple adapter	Double adapter
Number of outlets for each adapter			1	2
Mounting possibilities			 1 simple adapter	2 simple adapters 1 double adapter
Plate RJ45		9	93751-2 (1) 93751-03 (Flat faceplate)	
		10	93753-2 (2) 93753-03 (Angled faceplate)	
ABB-Zenit*		11	93635-2 93635-03	
BJC* Sol		11	93663-2 93663-03	
Simon* 27		11	93621-2 93621-03	
Socket boxes		23	93713	93718
		24		

(1) Compatible with RJ45 Systimax solutions and universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and Openet ICS)
 (2) Compatible with RJ45 Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and Openet ICS)

See next page

Adapters for the service pole's socket boxes 65 mm width



Socket box 4 outlets	Socket box 4+4 outlets	Socket box 8 outlets	Socket box 8+8 outlets
50123	50123 + 50193	50223	50223 + 50293

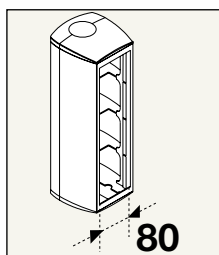
- White RAL 9010 (Part no. 93xxx-2)
- Aluminium colour RAL 9006 (Part no. 93xxx-03)

			Type of adapter	
			Simple adapter	Double adapter
Number of outlets for each adapter			1	2
Mounting possibilities			 1 simple adapter	2 simple adapters 1 double adapter
Simon Connect* K45		11	 93608-2 93608-03	 93613-2 93613-03
		12		
Mosaic* and compatible	 	11	 93608-2 93608-03	 93613-2 93613-03
		12		
Eunea Unica*	 	11	 93653-2 93653-03	 93656-2 93656-03
		12		
Din (3)		21		 93648-2 93648-03
Socket boxes		23	 93713	 93718
		24		

(3) In electrical outlets DIN the box is necessary to fix the outlet to the trunking.

See next page

Adapters for the service pole's socket boxes 80 mm width



Socket box 4 outlets		Socket box 4+4 outlets		Socket box 8 outlets		Socket box 8+8 outlets	
50124	50144	50124 + 50194	50144 + 50194	50224	50244	50224 + 50294	50244 + 50294

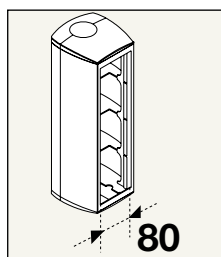
- White RAL 9010 (Part no. 93xxx-2)
- Aluminium colour RAL 9006 (Part no. 93xxx-03)

		Type of adapter					
		Simple adapter		Double adapter		Triple adapter	
Number of outlets for each adapter		1		2		3	
Mounting possibilities		 1 simple adapter		 2 simple adapters		 1 double adapter	
		 2 simple adapters		 1 double + 1 simple adapter		 1 triple adapter	
Universal (3)		8	93604				
		16	93709				
Plate RJ45		9	93752-2 (1) 93752-03 (Flat faceplate)				
		10	93754-2 (2) 93754-03 (Angled faceplate)				
ABB-Zenit*		11	93636-2 93636-03				
BJC* Sol		11	93664-2 93664-03				
Socket boxes		17					
		18	93714	93719	93729	(divider Part no. 93720 is included)	
		19					

(1) Compatible with RJ45 Systimax solutions and universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and Openet ICS)
 (2) Compatible with RJ45 Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and Openet ICS)
 (3) Frames shall be supplied by the socket manufacturer. We recommend frames with straight corners.

See next page

Adapters for the service pole's socket boxes 80 mm width



Socket box 4 outlets	Socket box 4+4 outlets	Socket box 8 outlets	Socket box 8+8 outlets
50124 50144	50124 + 50194 50144 + 50194	50224 50244	50224 + 50294 50244 + 50294


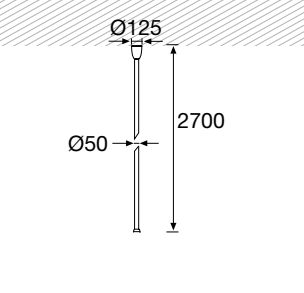
- White RAL 9010 (Part no. 93xxx-2)
- Aluminium colour RAL 9006 (Part no. 93xxx-03)

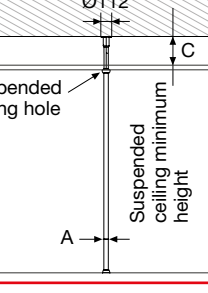
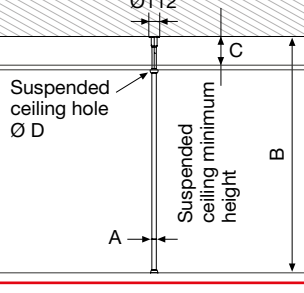
		Type of adapter					
		Simple adapter	Double adapter		Triple adapter		
Number of outlets for each adapter		1	2		3		
Mounting possibilities		 1 simple adapter	 2 simple adapters	 1 double adapter	 2 simple adapters	 1 double + 1 simple adapter	 1 triple adapter
Simon* 27		11 93622-2 93622-03					
500CIMA		12 93641-2 93641-03					
Simon Connect* K45		11 93609-2 93609-03	93614-2 93614-03	93619-2 93619-03			
		12					
		13					
Mosaic* and compatible		11 93609-2 93609-03	93614-2 93614-03	93619-2 93619-03			
		12					
		13					
Eunea Unica*		11 93654-2 93654-03	93657-2 93657-03				
		12					
Modular 25		14 93644-2 93644-03					
Din (4)		15 93649-2 93649-03					
Socket boxes		17 93714	93719 (divider Part no. 93720 is included)	93729 (divider Part no. 93720 is included)			
		18					
		19					

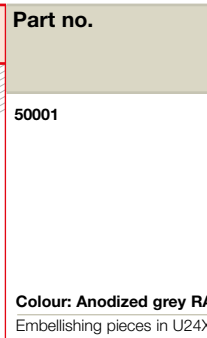
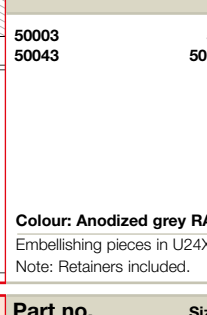
(3) Frames shall be supplied by the socket manufacturer. We recommend frames with straight corners.

(4) In electrical outlets DIN the box is necessary to fix the outlet to the trunking.

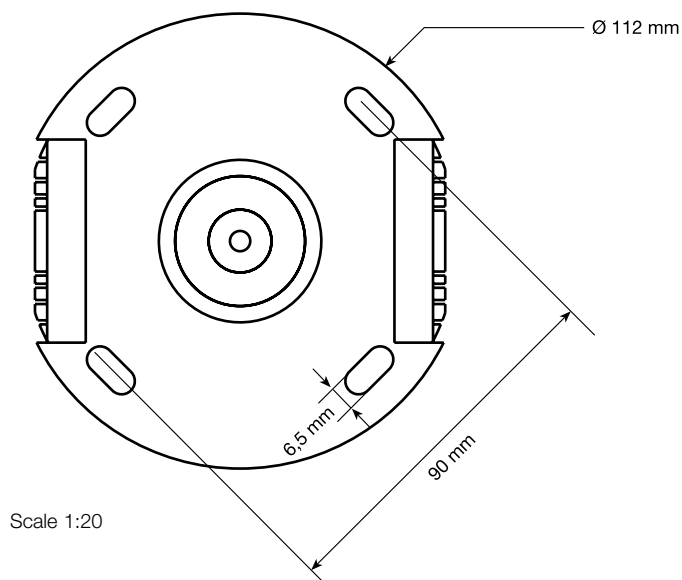
Sizes (mm)


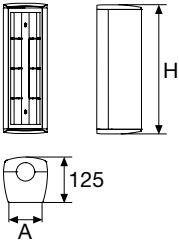

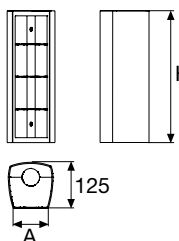

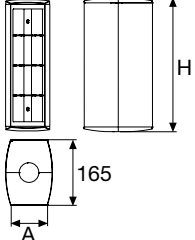

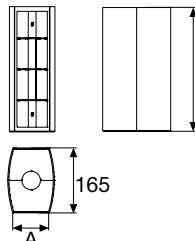

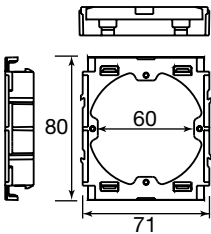
1. Standard service pole		Part no.	Pack			
 		50001	pc.			
			1			
		Colour: Anodized grey RAL 9006		Material: Aluminium		
		Embellishing pieces in U24X grey RAL 7035. Note: Retainers included.				

2. Suspended ceiling service pole		Part no.	Sizes mm				Pack
 		50003 50043	A	B max.	C min.	D ø	pc.
			50	3100	160	60	1
50 x 88	3140	175	90	1			
		Colour: Anodized grey RAL 9006		Material: Aluminium			
		Embellishing pieces in U24X grey RAL 7035. Note: Retainers included.					

3. Service pole extension		Part no.	Sizes mm	Application Service pole	Pack
 		50094 50097	A		pc.
			50	50001 50003 50043	1
50 x 88	50043	1			
		Colour: Anodized grey RAL 9006		Material: Aluminium	
		Note: Couplers in U24X grey RAL 7035 and retainers are included.			

Sizes for fixing of service poles to suspended ceiling



4. Service pole socket box 4 outlets		Part no.	Sizes mm		Application Service pole	Pack pc.	
			A	H			
		50123	65	303	50001 50003	1	
		50124	80	359	50001 50003	1	
		50144	80	359	50003 50043	1	
		Colour: Grey RAL 7035		Material: U24X			
Note: Shall be mounted on a socket box 4 outlets. Includes screws for fixing to service pole.							
5. Service pole supplementary socket box 4 outlets		Part no.	Sizes mm		Application Service pole	Application on socket box	Pack pc.
			A	H			
		50193	65	280	50001 50003	50123 50123	1
		50194	80	332	50001 50003 50043	50124 50124 50144	1
				Colour: Grey RAL 7035		Material: U24X	
Note: Shall be mounted on a socket box 4 outlets. Doesn't include upper and lower covers. Includes screws for fixing to service pole.							
6. Service pole socket box 8 outlets		Part no.	Sizes mm		Application Service pole	Pack pc.	
			A	H			
		50223	65	303	50001 50003	1	
		50224	80	359	50001 50003	1	
		50244	80	359	50043	1	
		Colour: Grey RAL 7035		Material: U24X			
Note: Includes upper and lower covers and screws for fixing to service pole.							
7. Service pole supplementary socket box 8 outlets		Part no.	Sizes mm		Application Service pole	Application on socket box	Pack pc.
			A	H			
		50293	65	280	50001 50003	50223 50223	1
		50294	80	332	50001 50003 50043	50224 50224 50244	1
				Colour: Grey RAL 7035		Material: U24X	
Note: Shall be mounted on a socket box 4 outlets. Doesn't include upper and lower covers. Includes screws for fixing to service pole.							
8. Universal (CEE) adapter 1 outlet		Part no.	Application cover		Pack pc.		
		93604	80		12		
		Colour: White		Material: U24X			
Note: 2 screws are included.							

9. Flat faceplate RJ45

Part no.	Colours		Application cover	Pack
	White RAL 9010	Aluminium		
93751-2		93751-03	65	6
93752-2		93752-03	80	6

Material: U24X

Note: Compatible with RJ45 Systemax solutions and universales type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and Openet ICS).

10. Angled faceplate RJ45

Part no.	Colours		Application cover	Pack
	White RAL 9010	Aluminium		
93753-2		93753-03	65	6
93754-2		93754-03	80	6

Material: U24X

Note: Compatible with RJ45 universales type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and Openet ICS).

11. Vertical adapter for modular outlets (2 modules)

Part no.	Colours		Outlets trademarks	Application cover	Pack
	White	Aluminium			
93621-2		93621-03	Simon*27 (1)	65	12
93622-2		93622-03	Simon*27 (1)	80	12
93635-2		93635-03	ABB-Zenit* (2)	65	12
93636-2		93636-03	ABB-Zenit* (2)	80	12
93663-2		93663-03	BJC*, Sol (3)	65	12
93664-2		93664-03	BJC*, Sol (3)	80	12
93653-2		93653-03	Eunea-Unica* (1)	65	12
93654-2		93654-03	Eunea-Unica* (1)	80	12
93608-2		93608-03	Mosaic* (1) (4)	65	12
93609-2		93609-03	Mosaic* (1) (4)	80	12

Material: U24X

Note: (1) Module 22,5x45 (2) Module 22x44 (3) Module 23x46. (4) Compatible with Simon Connect* K 45 and data connectors compatible with Mosaic*.

12. Adapter for modular outlets (4 modules 22,5x45)

Part no.	Colours		Outlets trademarks	Application cover	Pack
	White	Aluminium			
93656-2		93656-03	Eunea-Unica*	65	12
93657-2		93657-03	Eunea-Unica*	80	12
93613-2		93613-03	Mosaic* (1)	65	12
93614-2		93614-03	Mosaic* (1)	80	12

Material: U24X

Note: (1) Module 22,5x45 compatible with Simon Connect* K 45 and data connectors compatible with Mosaic*.

12. Adapter for 500CIMA (2 modules)

Part no.	Colours		Application cover	Pack
	White	Aluminium		
93641-2		93641-03	80	12

Material: U24X

Note: (1) Module 22,5x45 compatible with Simon Connect* K 45 and data connectors compatible with Mosaic*.

13. Adapter for 3 outlets (6 modules 22,5x45)		Part no. Colours White Aluminium	Outlets trademarks Mosaic* (1)	Application cover 80	Pack pc. 12
		Material: U24X (1) Compatible with Simon Connect* K 45 and data connectors compatible with Mosaic*.			
14. Adapter Modular 25 (3 modules)		Part no. Colours White Aluminium	Application cover 80	Application box 93719	Pack pc. 12
		Material: U24X Note: 2 screws are included.			
15. Adapter for DIN rail outlets (1 and 2 modules)		Part no. Colours White Aluminium	Application cover 65 80	Application box 93718 93719	Pack pc. 4 4
		Material: U24X Note: 1 rail DIN fixing Part no. 93724 is included.			
16. Universal (CEE) box 1 outlet		Part no.	Application cover 80	Pack pc. 12	
		Material: U24X Note: 2 pre-mounted screws are included.			
17. Modular socket box		Part no.	Application cover 65 80	Pack pc. 12 12	
		Material: U24X Note: The box is only necessary for circuit separation, not for fixing data connectors.			

18. 120 mm box		Part no.	Application cover	Pack
				pc.
		93718	65	12
		93719	80	12
		Material: U24X		
		Note: The box is only necessary for circuit separation, not for fixing data connectors. In box part no. 93719, a divider part no. 93720 is included. This divider can also be purchased separately.		
19. 175 mm box		Part no.	Application cover	Pack
				pc.
		93729	80	12
		Material: U24X		
		Note: The box is only necessary for circuit separation, not for fixing data connectors. In box part no. 93729, a divider part no. 93720 is included. This divider can also be purchased separately.		

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