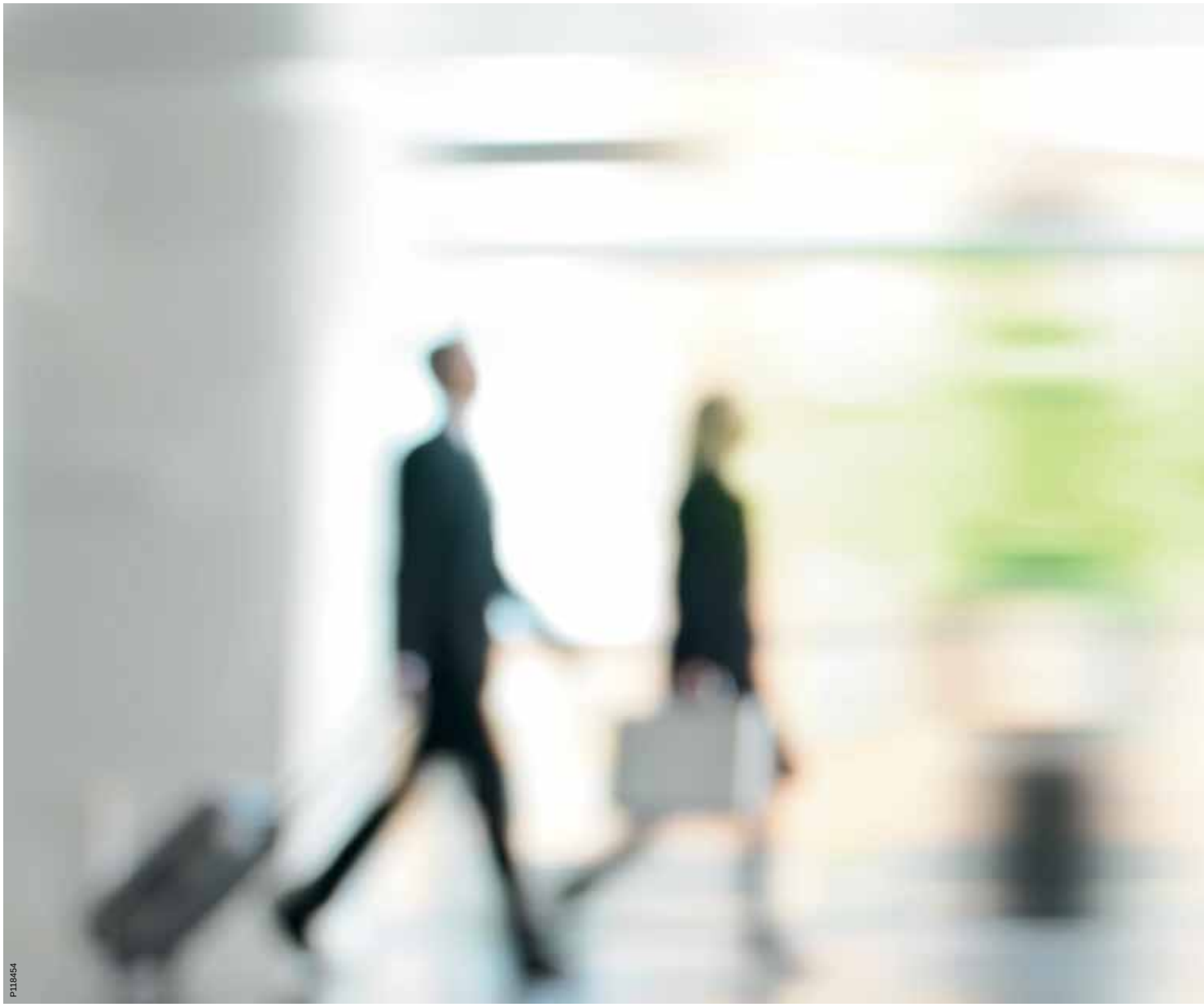
OptiLine & Altira Click-in system with KNX

A flexible and energy saving installation system

Product catalogue 2012

Schneider Electric



OptiLine & Altira with KNX

It’s the famous click-in with a green twist

Energy Efficiency

The Click-in technique made OptiLine and Altira famous for being a fast, flexible and very time-saving installation system. By adding the KNX functions you'll now reach yet another dimension of convenience and smartness: Energy efficiency!
OptiLine & Altira Click-in system give you total access and full control at an arm's length. At every desk and table.
Extendable in just a few hours.

Efficient use of the customers' energy. And yours!

Even if you don't think about it when installing it, an installation system concerns a lot of people. First it's planned by someone, but usually paid for by another. Then some other person probably owns it, while another is using it everyday. But do any of them have the overall experience to choose the installation system that is best equipped to meet all their needs? No!

But as an installer, you do. So in the name of energy efficiency, share your knowledge. Tell planners and property owners that OptiLine is the only system flexible enough to manage changing needs. Expanding or shifting it is done in no time and pieces are re-usable. The person who's paying will be glad to know that OptiLine has a future-proof construction, making it a wise investment. And users will love how OptiLines provides easy access to power and IT, at the same time as KNX monitors consumption and the cost of energy.

Trunking

On the wall, high up or right down? Install our trunking wherever it suits your needs. Choose between several sizes in PVC or aluminium.

Poles

Poles make the installation truly flexible for the end-user. Just move around power and networking as it pleases you!

Floor boxes

OptiLine includes smart solutions for stationary floor installations with plastic floor boxes, robust and easy to install.

Posts

Let power and networking be supplied under the floor, while giving the accessibility through stable and easy-to-mount outlet posts.

Furniture boxes

For premium access and design, choose from our wide range of flush mounted, turnable or pop-up service boxes.

By adding some KNX thermostats to the OptiLine system you'll get the optimal indoor climate. Since it's monitored locally from several places, heating and cooling will be perfectly adjusted.

P118445

OptiLine & Altira

P117641

P118447

P80527

P94354

P118450

The Click-in System

P94325

P94925

P117860

P118449

P89571

Energy Efficiency

A KNX thermostat can be installed at an optional place in your OptiLine installation system to ensure a comfortable temperature in each room. Since it's just mounted in the OptiLine front, it's easy to move around if needed.

OptiLine & Altira – the Click-in system for commercial buildings. Modular, flexible and energy efficient. Full of clever details. Easier to install and upgrade – so offices, hotels, receptions, shops and schools can have full access in a quicker and safer way. And, not least, energy saving with products like thermostats, movement detectors and dimmers.

OptiLine 45

Full access...

Anywhere in the room
Poles offer a very flexible solution. The free-standing poles are movable within a radius of 1.5 metres from the connection point in the ceiling.

The 45 direct Click-in installation system

Direct click-in wiring devices
Altira offers a broad range of outlets, switches, VDI-outlets, electronics and KNX-products.

In or on desks
Service boxes, movable or “invisibly” integrated in the desk, give high-capacity close to the user.

On walls
Trunking for all needs in aluminium or PVC. A cost-efficient installation with high capacity.

In floors
Floor boxes create access in the whole room and are “invisible” when not in use.

On floors
Posts give a neat and efficient installation on all types of floors.

Homogeneous design
Altira wiring devices can also be installed in or on walls to get a homogeneous design in the whole room.

A full range 45-system that brings the best of reliability, style and slimmed design together. Easy and quick installation with direct click-in of Altira wiring devices.

Flexible solutions
Installation solutions for ceilings, walls, floors and desks. Easy to update and adapt to future needs.

Smooth design
Perfect fit and final result. Smoothly rounded shapes. Design and colour match with Altira.

Environment-friendly
Only lead-free and cadmium-free materials are used. Most products are also halogen-free.

Easy to install
Click-in, tool-less installation of accessories and Altira products.

Energy efficiency
By adding some KNX thermostats to your OptiLine system you’ll get the optimal indoor climate. Since it’s monitored locally from several places, heating and cooling will be perfectly adjusted.

OptiLine 70

Full access...

Anywhere in the room

Poles offer a very flexible solution. The free-standing poles are movable within a radius of 1.5 metres from the connection point in the ceiling.

The universal Click-in installation system

For all types of wiring devices

The OptiLine 70 products are universal and can be fitted with Altira 45x45 modules, c/c 60 wiring devices or DIN-modules by means of adaptors.

On desks
Service boxes, movable on the desk or hanging from under it, give high capacity close to the user.

On walls
Trunking for all needs in aluminium or PVC. A cost-efficient installation with high capacity.

On floors
Posts give a neat and efficient installation on all types of floors.

Homogeneous design
The OptiLine 70 adaptors make it possible to use Altira coloured cover frames for walls also in e.g. the trunking.

A universal and very flexible system with a spacious 70 mm front opening. Use the adaptors to fit Altira or any type of wiring device. The clever adaptors and boxes give increased safety and several installation benefits.

Secure adaptors
Adaptors with a very secure click-in interface. Nice final result and improved pull-out force.

Safe and reliable
High-quality materials. Technically advanced. Follows all standards.

Clever boxes
Easy strain relief. Easy to create loop-through for 3-phase distribution. Easy to terminate shields.

Easy to install
Click-in, tool-less installation of accessories and Altira products.

Energy efficiency
A KNX thermostat can be installed at an optional place in your OptiLine installation system to ensure a comfortable temperature in each room. Since it's just mounted in the OptiLine front, it's easy to move around if needed.

Altira

Click-in to the future

With Altira, all functions are available in the 45x45 mm standard. Just one reference number, delivered in one piece and installed in one move. This is the easy way, leading you quicker to the future. With a click.

The 45 Click-in wiring device system

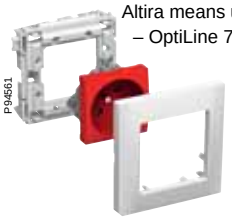
A range for all needs

Altira offers more than 300 wiring device items including socket-outlets, data sockets, KNX-products and electronics like thermostats, movement detectors, dimmers and timers.

Altira means modularity, speed and a secure installation

Direct click-in
Altira means direct click-in – OptiLine 45 system.

Universal
Altira means universality – OptiLine 70 system



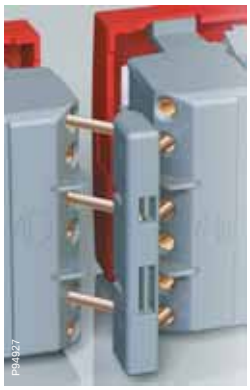
Wall installations
Altira means wall installations – Altira system

Energy Efficiency
The KNX wall panel is a nicely designed and convenient control from which you can operate all functions and electricity in your office.

Use the Altira multi-purpose range for direct click-in in OptiLine 45, with adaptors for OptiLine 70, or for flush or surface mounting on walls. As today's commercial buildings live with constant change, Altira is a perfect companion. With the KNX-products, energy will be saved as well.

Comfort and safety
Dimmers, movement detectors, thermostats, timers, KNX units... Discover Altira's wide range of products for increased comfort and safety.

Tool-free connection
Power: Just strip the wire and insert it.
VDI: Easy and fast termination by IDC.
Done-and-safe in one move!



Innovative features
Uniquely Altira: the tamperproof features and the interconnection pieces.

Mix and match
Uniquely Altira: 18 colours to choose from, to add distinction to the installation.

Focus on design
Altira's pure and modern design matches perfectly – in colour, gloss and shape – all OptiLine products.

Altira for walls

P97380

Full access...

Blending in

Altira's pure and modern design matches the interior in all types of rooms perfectly.

P94490

Flush or surface Click-in 45 system

P97387

Comfort and safety

Dimmers, movement detectors, thermostats, timers... Discover Altira's wide range of products for increased comfort, safety and energy efficiency.

Homogeneous design

Altira brings a homogeneous style to the whole room – in walls, on walls and in any OptiLine product.

Energy efficiency

The KNX wall panel is a nicely designed and convenient control from which you can operate all functions and electricity in your office.

Flush or surface wall mounting means total compatibility. The click-in system means faster work. Combine the 300 Altira modules with the KNX controls and get a slick and smart final touch.

Colourful

Match any interior. Or create an accent. With Altira's choice of cover plates in 18 appropriate colours, you can always add distinction to the installation.

Simple to install

Use flush or surface mounted boxes. Use claws or screw fixings. Use the tool-less click-in system. Now you've discovered why Altira is so simple to install.

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Multifix Plus
Range xx
Technical description xx

Multifix Air
Range xx
Technical description xx

Modulo
Range xx

OptiLine 45 Installation System

Installation trunking
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Presentation xx
Dimensions xx
Cable capacity xx
Choice guide xx
Range xx
Technical description xx

Poles
Presentation xx
Choice guide xx
Range xx
Technical description xx

Posts
Presentation xx
Choice guide xx
Range xx
Technical description xx

Floor outlet boxes
Presentation xx
Range xx
Technical description xx

Service boxes
Presentation xx
Range xx
Technical description xx
Reference number overview xx

OptiLine 70 Installation System

Installation trunking
The 45 direct Click-in installation system xx
Presentation xx
Dimensions xx
Cable capacity xx
Choice guide xx
Range xx
Technical description xx

Poles
Presentation xx
Choice guide xx
Range xx
Technical description xx

Posts
Presentation xx
Choice guide xx
Range xx
Technical description xx

Service boxes
Presentation xx
Range xx
Technical description xx
Reference number overview xx

See end of ISC01344EN_ Part3 (04-2012) For new Altira cover frames modification

TO BE locally adapted

Quick selection guide

Choice of installation components

Cover frames

1 gang

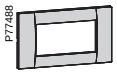
80 x 80

	Ref. No.
Altira white	
White	ALB45650
Altira colour	
Marble	ALB45710
Granite	ALB45720
Mist grey	ALB45730
Slate-blue	ALB45740
Aluminium	ALB46650

80 x 80

	Ref. No.
Altira translucent	
Aluminium	ALB45770
Bronze	ALB45780
Graphite	ALB45790
Altira crystal duo	
Emerald	ALB45750
Sapphire	ALB45760

2 inserts side-by-side horizontal (57 mm)



80 x 140

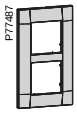
	Ref. No.
Altira white	
White	ALB45654
Altira colour	
Marble	ALB45714
Granite	ALB45724
Mist grey	ALB45734
Slate-blue	ALB45744
Aluminium	ALB46654

2 gang horizontal (71 mm)

80 x 152

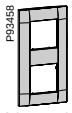
	Ref. No.
Altira white	
White	ALB45552
Altira colour	
Marble	ALB45712
Granite	ALB45722
Mist grey	ALB45732
Slate-blue	ALB45742
Aluminium	ALB46652

2 gang vertical (71 mm)



	Ref. No.
Altira white	
White	ALB45655
Altira colour	
Marble	ALB45715
Granite	ALB45725
Mist grey	ALB45735
Slate-blue	ALB45745
Aluminium	ALB46655

2 gang vertical (57 mm)



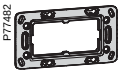
80 x 140

	Ref. No.
Altira white	
White	ALB45653
Altira colour	
Marble	ALB45713
Granite	ALB45723
Mist grey	ALB45733
Slate-blue	ALB45743
Aluminium	ALB46653

Plastic fixing frames and protection covers

		Ref. No.
	Screw-type	ALB45621
	With short claws	ALB45622
	With long claws	ALB45620
	Long claws	ALB45690
	Protection cover	ALB45552

2 inserts side-by-side horizontal (57 mm)

		Ref. No.
	Screw-type	ALB45624
	Protection cover	ALB45554

2 gang horizontal (71 mm)

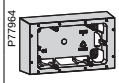
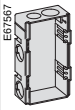
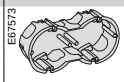
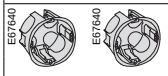
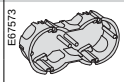
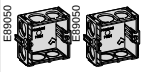
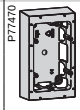
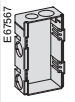
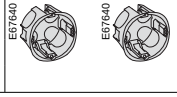
			Ref. No.
	Screw-type center-to-center 71 mm	2x	ALB45621
	Protection cover	2x	ALB4552

2 gang vertical (71 mm)

			Ref. No.
	Screw-type center-to-center 71 mm	2x	ALB45621
	Protection cover	2x	ALB4552

2 gang vertical (57 mm)

			Ref. No.
	Screw-type center-to-center 57 mm		ALB45623
	Protection cover	2x	ALB45552

Surface-mounted boxes		Flush-mounted boxes plasterboard			masonry wall	
	Ref. No.		**Ref. No.**	**Ref. No.**		**Ref. No.**
Depth (mm)	**Altira**	Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
20.5	ALB45430	with flange			30	ALB71305
40	ALB45440	40	IMT35001	ALB71320	40	ALB71301
		50	IMT35002	ALB71322	50	ALB71302
	Ref. No.			**Ref. No.**		**Ref. No.**
						
Depth (mm)	**Altira**	Depth (mm)		**Multifix Plus**	Depth (mm)	**Modulo**
40	ALB45444	with flange			40	ALB71303
		40		ALB71333		
		50		ALB71331		
			Ref. No.	**Ref. No.**		**Ref. No.**
						
		Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
		with flange			30	2x ALB71305
		center-to-center	71 mm	57 mm	40	2x ALB71301
		40	IMT35000	ALB71333	50	2x ALB71302
		50		ALB71331		
		center-to-center		71 mm		
		40		ALB71332		
		50		ALB71335		
						
			Ref. No.	**Ref. No.**		**Ref. No.**
						
		Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
		with flange			30	2x ALB71305
		center-to-center	71 mm	57 mm	40	2x ALB71301
		40	IMT35000	ALB71333	50	2x ALB71302
		50		ALB71331		
		center-to-center		71 mm		
		40		ALB71332		
		50		ALB71335		
	Ref. No.			**Ref. No.**		**Ref. No.**
						
Depth (mm)	**Altira**	Depth (mm)		**Multifix Plus**	Depth (mm)	**Modulo**
40	ALB45444	with flange			40	ALB71303
		40		ALB71333		
		50		ALB71331		
						

See end of ISC1344EN_ Part3 (04-2012) For new Altira cover frames modification

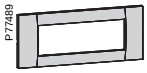
TO BE locally adapted

Quick selection guide

Choice of installation components

Cover frames

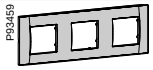
3 inserts side-by-side horizontal (57 mm)



80 x 195

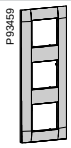
	Ref. No.
Altira white	
White	ALB45656
Altira colour	
Marble	ALB45716
Granite	ALB45726
Mist grey	ALB45736
Slate-blue	ALB45746
Aluminium	ALB46656

3 gang horizontal (71 mm)



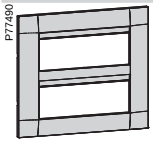
	Ref. No.
Altira white	
White	ALB45657
Altira colour	
Marble	ALB45717
Granite	ALB45727
Mist grey	ALB45737
Slate-blue	ALB45747
Aluminium	ALB46657

3 gang vertical (71 mm)



	Ref. No.
Altira white	
White	ALB45659
Altira colour	
Marble	ALB45719
Granite	ALB45729
Mist grey	ALB45739
Slate-blue	ALB45749
Aluminium	ALB46659

2 x 3 inserts side/by/side horizontal (57 mm)



175 x 195

	Ref. No.
Altira white	
White	ALB45658
Altira colour	
Marble	ALB45718
Granite	ALB45728
Mist grey	ALB45738
Slate-blue	ALB45748
Aluminium	ALB46658

Plastic fixing frames and protection covers

3 inserts side-by-side horizontal (57 mm)

Screw-type — Ref. No. ALB45626

Protection cover — Ref. No. ALB45556

3 gang horizontal (71 mm)

Screw-type 3x center-to-center 71 mm — Ref. No. ALB45621

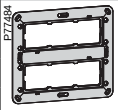
Protection cover 3x — Ref. No. ALB4552

3 gang vertical (71 mm)

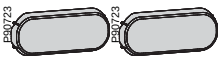
Screw-type 3x center-to-center 71 mm — Ref. No. ALB45621

Protection cover 3x — Ref. No. ALB4552

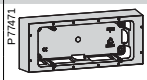
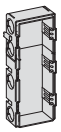
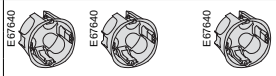
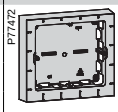
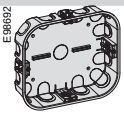
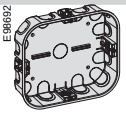
2 x 3 inserts side/by/side horizontal (57 mm)



Screw-type — Ref. No. ALB45628



Protection cover 2x — Ref. No. ALB45556

	Surface-mounted boxes		Flush-mounted boxes plasterboard			masonry wall	
		Ref. No.			Ref. No.		Ref. No.
							
	Depth (mm)	**Altira**	Depth (mm)		**Multifix Plus**	Depth (mm)	**Modulo**
	40	ALB45446	40		ALB71337	40	ALB71303
							+ ALB71301
				Ref. No.	Ref. No.		Ref. No.
							
			Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
			with flange			30	3x ALB71305
			40	IMT35001	ALB71320	40	3x ALB71301
			50	IMT35002	ALB71322	50	3x ALB71302
				Ref. No.	Ref. No.		Ref. No.
			Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
			with flange			30	3x ALB71305
			40	IMT35001	ALB71320	40	3x ALB71301
			50	IMT35002	ALB71322	50	3x ALB71302
		Ref. No.			Ref. No.		Ref. No.
							
	Depth (mm)	**Altira**	Depth (mm)		**Multifix Plus**	Depth (mm)	**Multifix Plus**
	40	ALB45448	40		ALB71338	40	ALB71338

See end of ISC01344EN_ Part3 (04-2012) For new Altira cover frames modification

TO BE locally adapted

Quick selection guide

Choice of installation components

Cover frames

1 gang

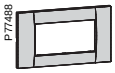
80 x 80

	Ref. No.
Altira white	
White	ALB45650
Altira colour	
Marble	ALB45710
Granite	ALB45720
Mist grey	ALB45730
Slate-blue	ALB45740
Aluminium	ALB46650

80 x 80

	Ref. No.
Altira translucent	
Aluminium	ALB45770
Bronze	ALB45780
Graphite	ALB45790
Altira crystal duo	
Emerald	ALB45750
Sapphire	ALB45760

2 inserts side-by-side horizontal (57 mm)



80 x 140

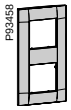
	Ref. No.
Altira white	
White	ALB45654
Altira colour	
Marble	ALB45714
Granite	ALB45724
Mist grey	ALB45734
Slate-blue	ALB45744
Aluminium	ALB46654

2 gang horizontal (71 mm)

80 x 152

	Ref. No.
Altira white	
White	ALB45652
Altira colour	
Marble	ALB45712
Granite	ALB45722
Mist grey	ALB45732
Slate-blue	ALB45742
Aluminium	ALB46652

2 gang vertical (71 mm)

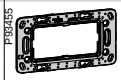
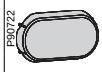


	Ref. No.
Altira white	
White	ALB45655
Altira colour	
Marble	ALB45715
Granite	ALB45725
Mist grey	ALB45735
Slate-blue	ALB45745
Aluminium	ALB46655

Zamak fixing frames and protection covers

		Ref. No.
	Screw-type	ALB45631
	With short claws	ALB45632
	With long claws	ALB45630
	Long claws	ALB45690
	Protection cover	ALB45552

2 inserts side-by-side horizontal (57 mm)

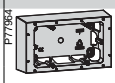
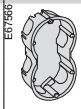
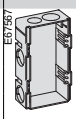
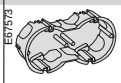
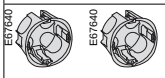
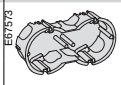
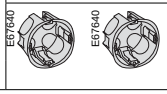
		Ref. No.
	Screw-type	ALB45634
	Protection cover	ALB45554

2 gang horizontal (71 mm)

			Ref. No.
	Screw-type center-to-center 71 mm	2x	ALB45631
	Protection cover	2x	ALB4552

2 gang vertical (71 mm)

			Ref. No.
	Screw-type center-to-center 71 mm	2x	ALB45631
	Protection cover	2x	ALB4552

	Surface-mounted boxes		Flush-mounted boxes plasterboard			masonry wall	
		Ref. No.		Ref. No.	Ref. No.		Ref. No.
	Depth (mm)	**Altira**	Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
	20.5	ALB45430	with flange			30	ALB71305
	40	ALB45440	40	IMT35001	ALB71320	40	ALB71301
			50	IMT35002	ALB71322	50	ALB71302
		Ref. No.		Ref. No.	Ref. No.		Ref. No.
							
	Depth (mm)	**Altira**	Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
	40	ALB45444	with flange			40	ALB71303
			40	IMT35000	ALB71333		
			50		ALB71331		
				Ref. No.	Ref. No.		Ref. No.
							
			Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
			with flange			30	2x ALB71305
			center-to-center	71 mm	57 mm	40	2x ALB71301
			40	IMT35000	ALB71333	50	2x ALB71302
			50		ALB71331		
			center-to-center		71 mm		
			40		ALB71332		
			50		ALB71335		
							
				Ref. No.	Ref. No.		Ref. No.
							
			Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
			with flange			30	2x ALB71305
			center-to-center	71 mm	57 mm	40	2x ALB71301
			40	IMT35000	ALB71333	50	2x ALB71302
			50		ALB71331		
			center-to-center		71 mm		
			40		ALB71332		
			50		ALB71335		
							

See end of ISC01344EN_ Part3 (04-2012) For new Altira cover frames modification

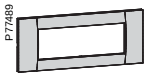
TO BE locally adapted

Quick selection guide

Choice of installation components

Cover frames

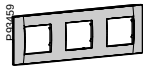
3 inserts side-by-side horizontal (57 mm)



80 x 195

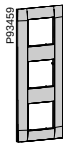
	Ref. No.
Altira white	
White	ALB45656
Altira colour	
Marble	ALB45716
Granite	ALB45726
Mist grey	ALB45736
Slate-blue	ALB45746
Aluminium	ALB46656

3 gang horizontal (71 mm)



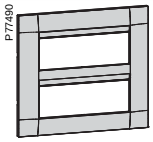
	Ref. No.
Altira white	
White	ALB45657
Altira colour	
Marble	ALB45717
Granite	ALB45727
Mist grey	ALB45737
Slate-blue	ALB45747
Aluminium	ALB46657

3 gang vertical (71 mm)



	Ref. No.
Altira white	
White	ALB45659
Altira colour	
Marble	ALB45719
Granite	ALB45729
Mist grey	ALB45739
Slate-blue	ALB45749
Aluminium	ALB46659

2 x 3 inserts side-by-side horizontal



	Ref. No.
Altira white	
White	ALB45658
Altira colour	
Marble	ALB45718
Granite	ALB45728
Mist grey	ALB45738
Aluminium	ALB46658

Zamak fixing frames and protection covers

3 inserts side-by-side horizontal (57 mm)

		Ref. No.
	Screw-type	ALB45636
	Protection cover	ALB45556

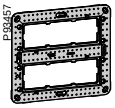
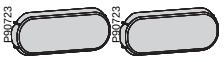
3 gang horizontal (71 mm)

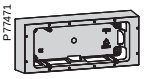
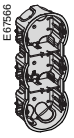
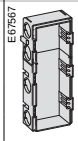
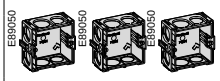
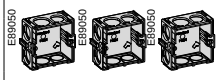
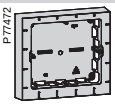
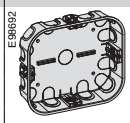
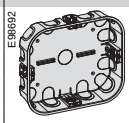
			Ref. No.
	Screw-type center-to-center 71 mm	3x	ALB45631
	Protection cover	3x	ALB45552

3 gang vertical (71 mm)

			Ref. No.
	Screw-type center-to-center 71 mm	3x	ALB45631
	Protection cover	3x	ALB45552

2 x 3 inserts side-by-side horizontal

			Ref. No.
	Screw-type		ALB45638
	Protection cover	2x	ALB45556

	Surface-mounted boxes		Flush-mounted boxes plasterboard			masonry wall	
		Ref. No.			Ref. No.		Ref. No.
							
	Depth (mm)	**Altira**	Depth (mm)		**Multifix Plus**	Depth (mm)	**Modulo**
	40	ALB45446	40		ALB71337	40	ALB71303
							+ ALB71301
				Ref. No.	**Ref. No.**		**Ref. No.**
							
			Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
			with flange			30	3x ALB71305
			40	IMT35001	ALB71320	40	3x ALB71301
			50	IMT35002	ALB71322	50	3x ALB71302
				Ref. No.	**Ref. No.**		**Ref. No.**
							
			Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
			with flange			30	3x ALB71305
			40	IMT35001	ALB71320	40	3x ALB71301
			50	IMT35002	ALB71322	50	3x ALB71302
		Ref. No.			**Ref. No.**		**Ref. No.**
							
	Depth (mm)	**Altira**	Depth (mm)		**Multifix Plus**	Depth (mm)	**Multifix Plus**
	40	ALB45448	40		ALB71338	40	ALB71338

See end of ISC01344EN_ Part3 (04-2012) For new Altira cover frames modification

TO BE locally adapted

Quick selection guide

Choice of installation components

Cover frames

1 gang

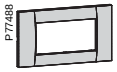
80 x 80

	Ref. No.
Altira white	
White	ALB45650
Altira colour	
Marble	ALB45710
Granite	ALB45720
Mist grey	ALB45730
Slate-blue	ALB45740
Aluminium	ALB46650

80 x 80

	Ref. No.
Altira translucent	
Aluminium	ALB45770
Bronze	ALB45780
Graphite	ALB45790
Altira crystal duo	
Emerald	ALB45750
Sapphire	ALB45760

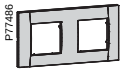
2 inserts side-by-side horizontal (57 mm)



80 x 140

	Ref. No.
Altira white	
White	ALB45654
Altira colour	
Marble	ALB45714
Granite	ALB45724
Mist grey	ALB45734
Slate-blue	ALB45744
Aluminium	ALB46654

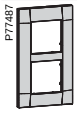
2 gang horizontal (71 mm)



80 x 152

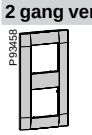
	Ref. No.
Altira white	
White	ALB45552
Altira colour	
Marble	ALB45712
Granite	ALB45722
Mist grey	ALB45732
Slate-blue	ALB45742
Aluminium	ALB46652

2 gang vertical (71 mm)



	Ref. No.
Altira white	
White	ALB45655
Altira colour	
Marble	ALB45715
Granite	ALB45725
Mist grey	ALB45735
Slate-blue	ALB45745
Aluminium	ALB46655

2 gang vertical (57 mm)



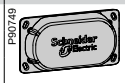
80 x 140

	Ref. No.
Altira white	
White	ALB45653
Altira colour	
Marble	ALB45713
Granite	ALB45723
Mist grey	ALB45733
Slate-blue	ALB45743
Aluminium	ALB46653

Plastic fixing frames with protection covers

			Ref. No.
	Screw-type		ALB45601
	With short claws		ALB45602

2 inserts side-by-side horizontal (57 mm)

			Ref. No.
	Screw-type		ALB45604

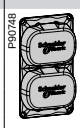
2 gang horizontal (71 mm)

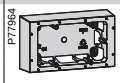
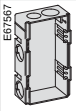
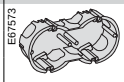
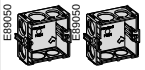
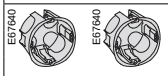
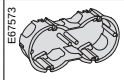
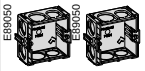
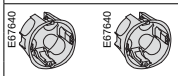
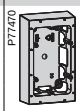
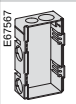
			Ref. No.
	Screw-type center-to-center 71 mm	2x	ALB45601

2 gang vertical (71 mm)

			Ref. No.
	Screw-type center-to-center 71 mm	2x	ALB45601

2 gang vertical (57 mm)

			Ref. No.
	Screw-type center-to-center 57 mm		ALB45603

Surface-mounted boxes		Flush-mounted boxes plasterboard			masonry wall	
	Ref. No.		**Ref. No.**	**Ref. No.**		**Ref. No.**
Depth (mm)	**Altira**	Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
20.5	ALB45430	with flange			30	ALB71305
40	ALB45440	40	IMT35001	ALB71320	40	ALB71301
		50	IMT35002	ALB71322	50	ALB71302
	Ref. No.			**Ref. No.**		**Ref. No.**
						
Depth (mm)	**Altira**	Depth (mm)		**Multifix Plus**	Depth (mm)	**Modulo**
40	ALB45444	with flange			40	ALB71303
		40		ALB71333		
		50		ALB71331		
			Ref. No.	**Ref. No.**		**Ref. No.**
						
		Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
		with flange			30	2x ALB71305
		center-to-center	71 mm	57 mm	40	2x ALB71301
		40	IMT35000	ALB71333	50	2x ALB71302
		50		ALB71331		
		center-to-center		71 mm		
		40		ALB71332		
		50		ALB71335		
						
			Ref. No.	**Ref. No.**		**Ref. No.**
						
		Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
		with flange			30	2x ALB71305
		center-to-center	71 mm	57 mm	40	2x ALB71301
		40	IMT35000	ALB71333	50	2x ALB71302
		50		ALB71331		
		center-to-center		71 mm		
		40		ALB71332		
		50		ALB71335		
						
	Ref. No.			**Ref. No.**		**Ref. No.**
						
Depth (mm)	**Altira**	Depth (mm)		**Multifix Plus**	Depth (mm)	**Modulo**
40	ALB45444	with flange			40	ALB71303
		40		ALB71333		
		50		ALB71331		

See end of ISC01344EN_ Part3 (04-2012) For new Altira cover frames modification

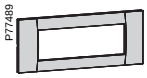
TO BE locally adapted

Quick selection guide

Choice of installation components

Cover frames

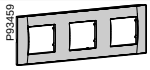
3 inserts side-by-side horizontal



80 x 195

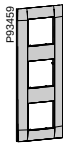
	Ref. No.
Altira white	
White	ALB45656
Altira colour	
Marble	ALB45716
Granite	ALB45726
Mist grey	ALB45736
Slate-blue	ALB45746
Aluminium	ALB46656

3 gang horizontal (71 mm)



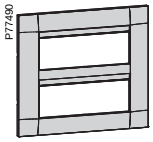
	Ref. No.
Altira white	
White	ALB45657
Altira colour	
Marble	ALB45717
Granite	ALB45727
Mist grey	ALB45737
Slate-blue	ALB45747
Aluminium	ALB46657

3 gang vertical (71 mm)



	Ref. No.
Altira white	
White	ALB45659
Altira colour	
Marble	ALB45719
Granite	ALB45729
Mist grey	ALB45739
Slate-blue	ALB45749
Aluminium	ALB46659

2 x 3 inserts side-by-side horizontal



	Ref. No.
Altira white	
White	ALB45658
Altira colour	
Marble	ALB45718
Granite	ALB45728
Mist grey	ALB45738
Aluminium	ALB46658

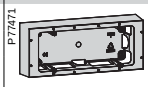
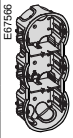
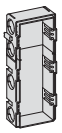
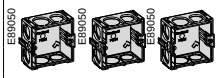
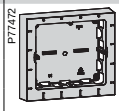
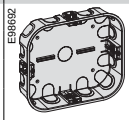
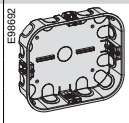
Zamak fixing frames with protection covers

		Ref. No.
	Screw-type	ALB45606

			Ref. No.
	Screw-type center-to-center 71 mm	3x	ALB45601

			Ref. No.
	Screw-type center-to-center 71 mm	3x	ALB45601

		Ref. No.
	Screw-type	ALB45612

Surface-mounted boxes		Flush-mounted boxes plasterboard			masonry wall	
	Ref. No.			**Ref. No.**		**Ref. No.**
						
Depth (mm)	**Altira**	Depth (mm)		**Multifix Plus**	Depth (mm)	**Modulo**
40	ALB45446	40		ALB71337	40	ALB71303
						+ ALB71301
			Ref. No.	**Ref. No.**		**Ref. No.**
						
		Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
		with flange			30	3x ALB71305
		40	IMT35001	ALB71320	40	3x ALB71301
		50	IMT35002	ALB71322	50	3x ALB71302
			Ref. No.	**Ref. No.**		**Ref. No.**
		Depth (mm)	**Multifix Air**	**Multifix Plus**	Depth (mm)	**Modulo**
		with flange			30	3x ALB71305
		40	IMT35001	ALB71320	40	3x ALB71301
		50	IMT35002	ALB71322	50	3x ALB71302
	Ref. No.			**Ref. No.**		**Ref. No.**
						
Depth (mm)	**Altira**	Depth (mm)		**Multifix Plus**	Depth (mm)	**Multifix Plus**
40	ALB45448	40		ALB71338	40	ALB71338

Altira wiring devices

P93835

Dedicated to the 45 x 45 standard

Each function is available for the 45 x 45 mm standard: just one part number, delivered in one piece and installed in one move.
Turn a switch into a push-button, install a switch in a 21 mm depth box, connect an RJ45 socket directly to the front panel, interconnect several socket-outlets… everything is thought out to make installation and upgrading easy.

P125331

Designed to click-in directly

Altira is a series of wiring devices for direct click-in into OptiLine 45 trunking, poles, posts, floor boxes and service boxes. In the OptiLine 70 range, an adapter is used.

Compatible with all installations systems on the market

Combined with a clever plate and frame, all Altira inserts can be installed in all installation systems on the market, both surface and flush-mounted.
The choice of cover plates from an assortment of 18 appropriate colours adds distinction to installations.

P125345

Designed to add distinction to installations with 18 appropriate colours

White and colours

P132258

White

P132259

Polar white

P132264

Aluminium

P132262

Mist Grey

P132263

Slate-blue

P132260

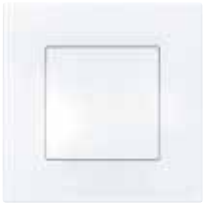
Marble

P132261

Granite

Antibacterial

P132259



Polar white

Crystal

P132265

Aluminium

P132266

Bronze

P132267

Graphite

Translucent

P132268

Emerald

P132269

Sapphire

Quadro

P132272

Stone

P132270

Polar white

P132271

Pearl

P132273

Aluminium

P132274

Copper

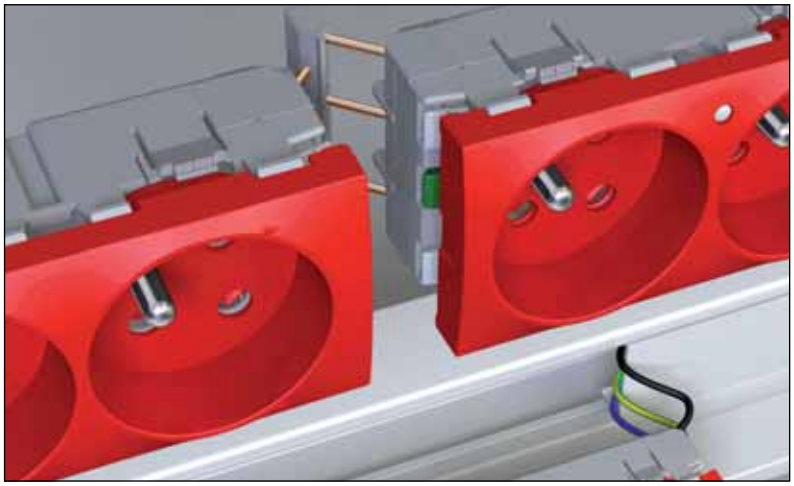
Altira wiring devices

P91636

Double and triple socket-outlets

b Reliable interconnection of socket-outlets by an inter-connection piece for more devices per linear meter: all combinations are possible: 2 + 2, 2 + 3, 3 + 3 or more...
b With reduced 45 mm-unit space requirements, the sockets can be juxtaposed precisely. No space is created, so no trunking covers to be cut.
b Socket and socket-outlet variants:
v with red-Colour mechanical and visual tamperproofing to differentiate specific circuits
v with indicator for visual signaling of circuits.

P90581



Rotoclip socket-outlets

Just one socket, and one part number, to be installed, both straight and slanted. Straight for a traditional flush and surface mounting stand alone function. Slanted mounting makes it easy to insert angled plugs into floor-level trunking and is especially required for when socket-outlets are installed in poles and posts, together with other functions: 2P+E sockets, RJ45 sockets, switches …

P90577

Earth pin positioning in poles:
b Slanted to the right
b Straight horizontal.

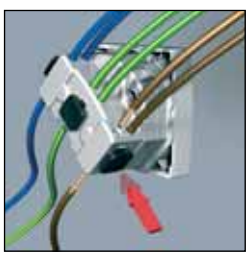
P90576

Earth pin positioning in trunking:
b Straight vertical
b Slanted to the left.

P90591

b Sturdy sockets, easy to keep clean
b Excellent holding strength provided by mechanical latching.

P94926



b Fast, tool-free connection and disconnection of current sockets.
b Simple and practical: just strip the wire and insert it.
b Dual opposite terminals per polarity for easy cable running in trunking and mounting in boxes.

P124947

Switches and push-buttons

P124965

A standard switch can easily be transformed into a push-button thanks to a simple spring mechanism and positioning aid tool.

P124966

Test points on the front face allow easy testing without disassembling the device.

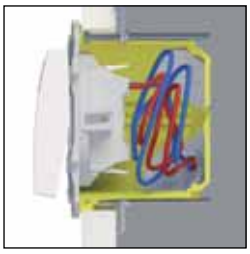
P124963

Ergonomic screwless terminals with cabling diagram on the back, for fast and reliable connection. Only terminals you need are open.

P124968

Switches and push-button can be easily illuminated with indicator lamp accessory.

P124970



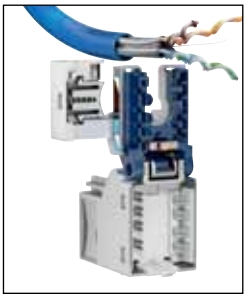
Switches and push-button low profile frees-up space in the junction box for easy cabling.

P121600

RJ45 connector: cabling is now twice as fast

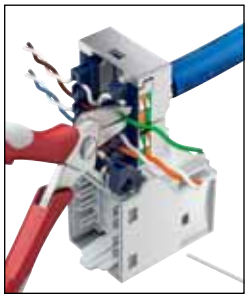
The innovative RJ45 is easy to handle and cable, with intuitive connections that save you time. The connector is available for Categories 5e, 6 and 6_A applications.

P121597



Ready...
Insert the cable in the central U-shaped entry.

P121620



Steady...
Close the smart bridle. It will automatically lock the cable and provide 360° earthing.

P121599

Done!
Shut the connector. A “click” confirms that it’s locked into its firm and reliable position.

P90695

TV/FM socket-outlets

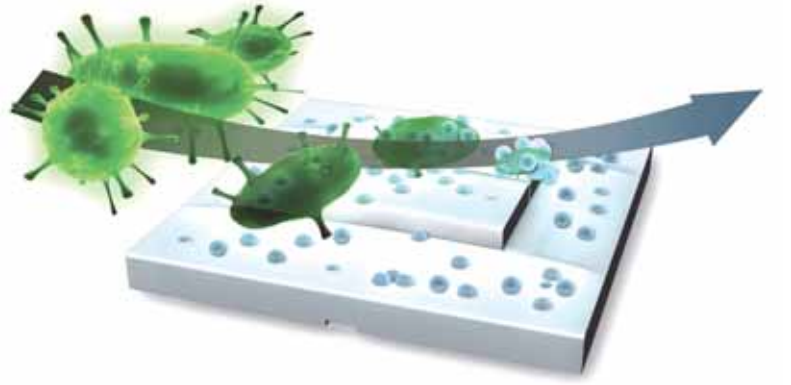
b Easy convenient coaxial cable wiring.
b The coaxial cable can be screwed directly onto the free 360° rotary connector.

Altira
for antibacterial applications

Antibacterial offer to avoid transmission diseases

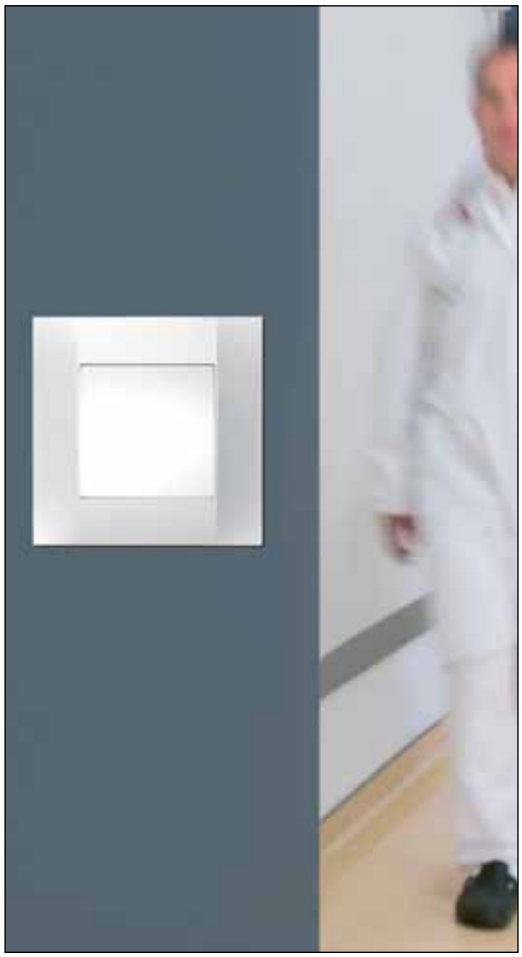
With the addition of silver ions, the antibacterial offer is protected against germs and bacteria in order to prevent transmission.
In 24H, more than 99,9% of all bacteria are gone.

b All advantages at a glance:
v Easy to identify: the antibacterial commercial references start with ALB47XXX.
v Environmentally friendly due to the use of non-hazardous materials
v Long-lasting protection and increased security against viruses, bacteria and yeast fungi
v A sustainable solution thanks to its long-term effectiveness



v With various functions, antibacterial material for Altira offers good solutions for all applications.
v The antibacterial material makes this offer different from standard material and more clear to identify thanks to its new colour, the polar white.

P126443



P124931

ALB45051

P124943

ALB45056

P124940

ALB45053

P124942

ALB45054

P77260

ALB45026

P77259

ALB45024

P124930

ALB45077

P124945

ALB45076

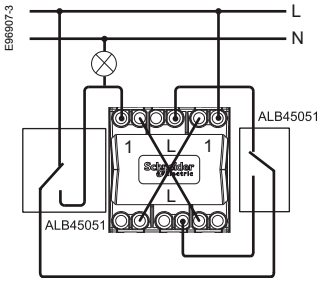
Controls

16 A - 250 V AC switches

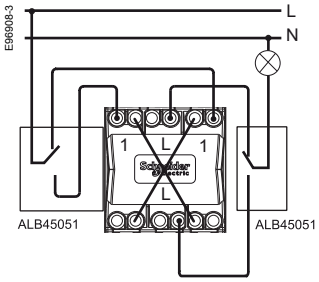
Screwless terminals

Type		Colour	Ref. No.
One-way switch	P125023	white	ALB45050
Two-way switch	P125023	white	ALB45051
		aluminium	ALB46051
		polar white	ALB44051
Double two-way switch	P125027	white	ALB45056
		aluminium	ALB46056
		polar white	ALB44056
Two-pole switch : simultaneous switching of 2 circuits	P125109	white	ALB45053
		aluminium	ALB46053
		polar white	ALB44053
Intermediate switch	P77425	white	ALB45054
		polar white	ALB44054

E66907-3



E66908-3



2 different connections are possible: with 2 two-way switches an 1 intermediate switch, lighting can be controlled from 3 points.

20 A - 250 V AC switches

Screw terminals

Type		Colour	Ref. No.
Two-way switch : normally open	P77421	white	ALB45021
		polar white	ALB44021
Double two-way switch : normally open	P77426	white	ALB45026
		polar white	ALB44026
Two-pole switch : simultaneous switching of 2 circuits	P77494	white	ALB45024
		polar white	ALB44024

16 A - 250 V AC luminous switches

Screwless terminals (without lamp)

Type		Colour	Ref. No.
One-way switch with indicator rocker	P125024	white	ALB45071
Two-way switch with indicator rocker	P125024	white	ALB45077
		aluminium	ALB46077
		polar white	ALB44077
Double two-way switch with indicator rocker	P125028	white	ALB45076
		polar white	ALB44076

white: RAL9011; polar white: RAL 9003

Altira
Inserts

ALB45060

ALB45063

ALB45072

ALB45062

ALB45070

ALB45087

ALB45089

10 A - 250 V AC push-buttons

Screwless terminals

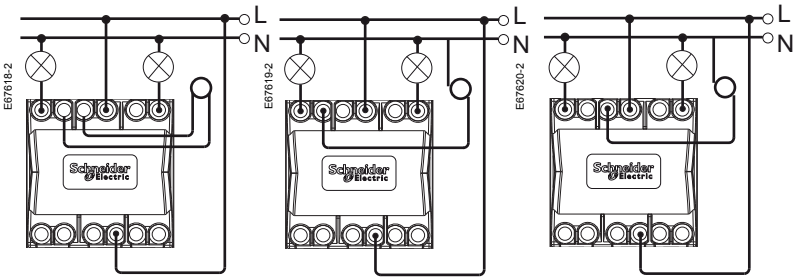
Type		Colour	Ref. No.
One-way push-button : normally open		white	ALB45060
		aluminium	ALB46060
		polar white	ALB44060
Double one-way push-button : normally open		white	ALB45063
		aluminium	ALB46063
		polar white	ALB44063
Two-way switch + one-way push-button 16 A : normally open or closed according to wiring		white	ALB45065
		aluminium	ALB46065
		polar white	ALB44065

10 A - 250 V AC luminous push-buttons

Screwless terminals (without lamp)

Type		Colour	Ref. No.
Normally open push-button with indicator rocker		white	ALB45072
		aluminium	ALB46072
		polar white	ALB44072
Normally open push-button with luminous label holder		white	ALB45062
		polar white	ALB44062
Normally open push-button with indicator rocker + push-button		white	ALB45070
		polar white	ALB44070

3 wiring possibilities (double two-way switches connection example)



Wiring for locator lamp (indicator on, lamp off)

Wiring for signal lamp (indicator on, lamp on)

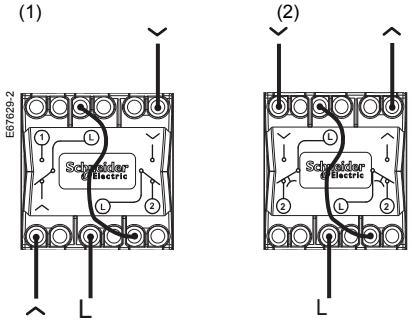
Wiring for pilot lamp (indicator continously on)

Roller blinds 10 / 16 A - 250 V AC

Roller blinds control

Type			Colour	Ref. No.
16 A one-way roller blinds switch (1)	Raise/Lower control of roller blinds by latched order		white	ALB45087
			aluminium	ALB46087
			polar white	ALB44087
10 A roller blinds push-button (2)	Raise/Lower control of blinds or automation device by pulse-type order		white	ALB45089
			aluminium	ALB46089
			polar white	ALB44089

(1) (2)



white: RAL9011; polar white: RAL 9003

ALB45081

ALB45085

ALB45570

ALB45571

ALB45083

ALB45084

ALB45516

S520299

Accessories

Indicator rockers

To identify a device, simply replace the switch or single or double push-button cover plate by a label-holder or VMC labeled cover plate.

Type			Colour	Ref. No.
Rocker with label-holder	1 piece 45 mm		white	ALB45081
			polar white	ALB44081
Rocker with «VMC» marking	1 piece 45 mm		white	ALB45085
			polar white	ALB44085

Blind covers

Type			Colour	Ref. No.
Blind cover 45 x 45 mm	Installed in place of a function		white	ALB45570
			aluminium	ALB46570
			polar white	ALB44570
Blind cover 22.5 x 45 mm	Blanking of one of the double control mechanisms switches or push-button		white	ALB45571
			aluminium	ALB46571
			polar white	ALB44571

Upgrading a device

Transformation of a device into a luminous device

To upgrade all switches or push-buttons to a luminous device, use a rocker with indicator and lamp.

Type		Colour	Ref. No.
Rocker with indicator (without lamp)	1 piece 45 mm	white	ALB45083
		polar white	ALB44083
	2 pieces 22.5 mm	white	ALB45084
		polar white	ALB44084
Indicators LED lamp for switch and push-button	12 V DC - 0.4 W		ALB45516
	24 V DC - 0.8 W		ALB45517
	230 V AC - 0.5 mA energy savings		ALB45514
	230 V AC - 1.5 mA extra bright		ALB45515

Transformation of a 16 A switch into a push-button

b Spring in a one-way switch: the switch becomes a push-button NO
b Spring in a two-way switch: the two-way switch becomes a push-button NO/NC

Type		Ref. No.
Spring (to convert switch into push-button)	Bag of 10 with tool	S520299

white: RAL9011; polar white: RAL 9003

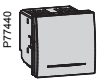
ALB45190

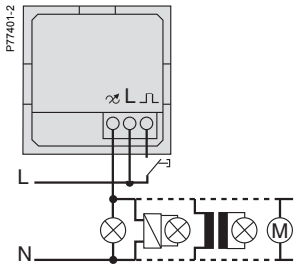
ALB45195 ALB45194, ALB45192

Comfort controls

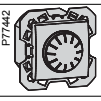
Dimmers

Push-button dimmers

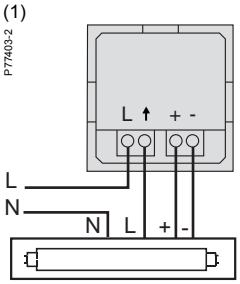
Type		Colour	Ref. No.
Universal push-button dimmer 20- 350 VA (Compliant with the interference suppression (EMC) standard EN 60669-2-1)		white	ALB45190
		aluminium	ALB46190
		polar white	ALB44190



Rotary dimmers

Type			Colour	Ref. No.
400 VA, 1 - 10 V for 230 V AC fluorescent tubes (1)	4-wire connection		white	ALB45194
			aluminium	ALB46194
			polar white	ALB44194
40 - 400 VA two-way (2)	2-wire connection		white	ALB45192
			aluminium	ALB46192
			polar white	ALB44192
40 - 1000 VA (3)	3-wire connection		white	ALB45195
			aluminium	ALB46195
			polar white	ALB44195

(1)



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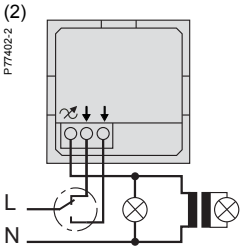

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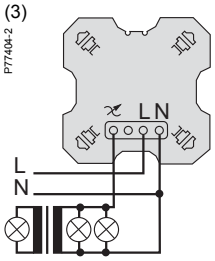
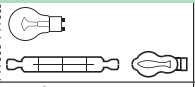
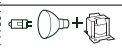
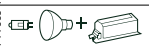
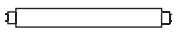


Max. control current: 200 mA.
Compliant with the interference suppression (EMC) standard EN 60669-2-1.

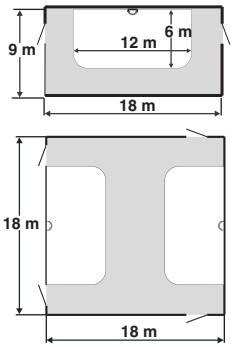
Push-button dimmers	Rotary dimmers 40 - 400 VA	Rotary dimmers 400 VA, 1 - 10 V	Rotary dimmers 40 - 1000 VA		
ALB4x190	ALB4x192	ALB4x194	ALB4x195	**Loads**	
20 W 350 W	40 W 400 W		40 W 1000 W		230 V AC incandescent and halogen lamps
20 VA 350 VA	40 VA 400 VA		40 VA 1000 VA		ELV halogen lamps with ferromagnetic transformer (non toroidal)
20 VA 300 VA					ELV lamps with toroidal transformer
20 VA 350 VA					ELV halogen lamps with electronic transformer
		400 VA 1-10 V			230 V AC fluorescent tube, Ø 26 or 38 mm with 1-10 V electronic ballast 36 W with 10 electronic ballasts (1-10 V) 2 x 16 W, Ø 26 or 30 mm with 5 electronic ballasts (1-10 V) Maximum control of 50 electronic ballasts (1-10 V) with an external relay
20 W 200 W					230 V AC fans
20 W 350 W					230 V AC convectors
			60 W 600 W		230 V AC motors
				Installation	
				Installed in place of a switch	
				May be controlled by push-buttons: up to 25 push-button without indicator lamp in the surrounding area	

white: RAL9011; polar white: RAL 9003

Movement detectors

Movement detectors 180°

Automatically control switching on lights in passageways:
- b Detection angle: complete 180°, partial 90° left or right
- b Detection area: 9 x 18 m
- b Presence area: 6 x 12 m (movement ± 10 cm, 1 m/s)
- b Time delay adjustable from 2 s to 10000 lux
- b Installation height: 1.20 m and 2.15 m
- b Protection degree: IP20



P77287

ALB45113

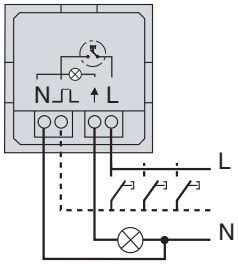
P77286

ALB45112

Type			Colour	Ref. No.
Universal 8 A (1)	Selection mode: b Automatic mode: independent operation b Manual mode: combined with push-buttons b Slave mode: combined with another detector	P77505	white	ALB45113
			aluminium	ALB46113
			polar white	ALB44113
Resistive 300 W (2)	Selection mode: b Automatic mode: independent operation b Manual mode: combined with push-buttons	P77505	white	ALB45112
			aluminium	ALB46112
			polar white	ALB44112

(1)

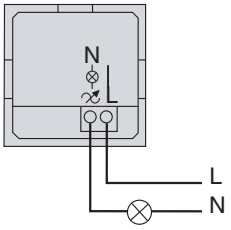
P77971-2



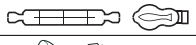
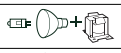
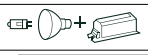
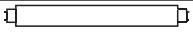
3-wire connection

(2)

P77970-2



2-wire connection

Universal 8 A	Resistive 300 W	Loads	
ALB4x113	ALB4x112		
2300 W	40 W - 300 W	P77989	230 V AC incandescent lamps
2000 W	40 W - 300 W	P77990 	230 VAC halogen lamps
1050 VA		P77991 	ELV halogen lamps with wire-wound transformer (non toroidal)
1150 VA		P77993 	ELV halogen lamps with electronic transformer
2000 VA p.f. ≥ 0.9		P77994 	230 V AC Ø 26 or 38 mm fluorescent tubes with conventional ballast
200 VA		P77996	230 V AC fans
2300 W	40 W - 300 W p.f. ≥ 0.95	P77997	230 V AC convectors
200 VA		P77999	230 V AC contactors
		Installation	
		Parallel connection: max. 2 detectors for a load	
		May be controlled by push-buttons: up to 25 push-button without indicator lamp in the surrounding area	

white: RAL9011; polar white: RAL 9003

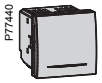
P77289

Time-delay switch

8A, 2 s- 12 min. time-delayed

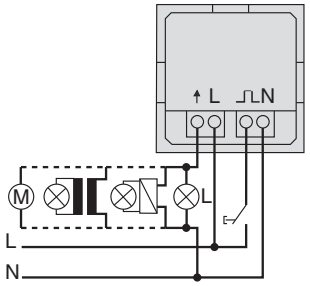
b Time delay from 2 s to 12 min.
b Remote control:
v by push-buttons: maximum 25
v by push-buttons with lamp: maximum 5
b Equipped with a LED to indicate switch “On”
b Optional switching on using conventional push-button
b Blue night-time locator lamp included
b Compliant with EN60669-2-1

P77440



Colour	Ref. No.
white	ALB45139
aluminium	ALB46139
polar white	ALB44139

P77961-2



ALB4x139	Loads	
1840 W	P77989 P77990	230 V AC incandescent and halogen lamps
1840 VA	P77991 P77993	ELV halogen lamps with wire-wound transformer (non toroidal) and with electronic transformer
1840 VA p.f. ≥ 0.9	P77994	230 V AC Ø 26 or 38 mm fluorescent tubes with conventional ballast
500 VA	P124969	230 V AC compact fluorescent lamps
3 A	P77996	230 V AC fans
1840 W	P77997	230 V AC convectors

P77288

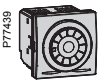
ALB45120

Thermostat

8 A- 230 V AC

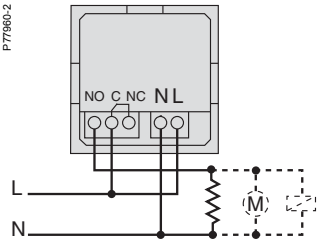
b Setting range from 5 to 30°C
b Power supply: 230 V AC
b Potential-free contacts
b Breaking capacity:
v resistive: 8 A (p.f. = 1), 230 V AC
v inductive: 8 A (p.f. = 0.6), 230 V AC
v motor: 2 A
v 24 V: 1 A
b Equipped with a LED to indicate thermostat “On”
b Display of temperature set point

P77439



Colour	Ref. No.
white	ALB45120
aluminium	ALB46120
polar white	ALB44120

P77960-2



white: RAL9011; polar white: RAL 9003

P77261

ALB45030

P93373

ALB45032

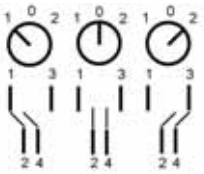
P77262

ALB45035

Security controls

Type			Colour	Ref. No.
16 A one-way key switch 3-positions (1)	b 3 positions with neutral position b Latched action in the 3 positions b Extraction of key in the 3 positions b Key type: KN n°640	P77423	white	ALB45030
			polar white	ALB44030
10 A one-way key push-button 3-positions (1)	b 3 positions with neutral position b Latched action in central position b Extraction of key in the neutral position b Key type: RONIS n°601	P77423	white	ALB45031
			polar white	ALB44031

(1)

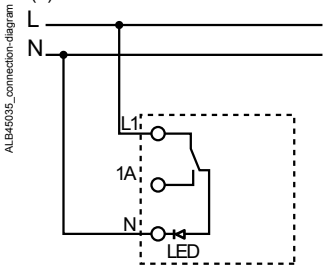


10 A one-way emergency key push-button	P93423		ALB45032
10 A one-way emergency PB 1/4 lap unlock	P93424		ALB45033
10 A two-way key card switch (2)	P93424	white	ALB45035
		polar white	ALB44035
10 A One-way and two-way key card switch (3)	P77495	white	ALB45036
		polar white	ALB44036

b Allows a circuit to be switched on by the insertion of a card-key
b Power supply 230 V AC.
b 10 A for resistive loads and 2A for motors
b Fluorescent tubes with magnetic ballast: 1000 W
b Relays and VMC: 700 W
b Incandescent lamps, ELV halogen lamps 12 V or 24 V with converter: 500 W
b ELV halogen lamps 12 V or 24 V with transformer: 100 W

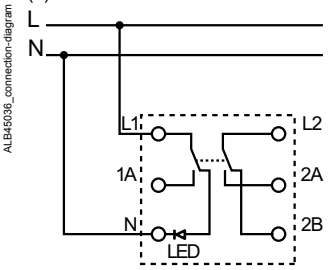
(2)

ALB45035_connection-diagram



(3)

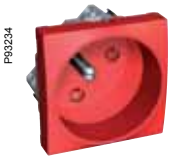
ALB45036_connection-diagram



white: RAL9011; polar white: RAL 9003

ALB45213
Rotoclip straight

ALB45212
Rotoclip slanted



ALB45214

Socket-outlets

16 A - 250 V AC Rotoclip socket-outlets shuttered

Single socket-outlets - shuttered - 45°/90° Rotoclip - screwless terminals				
Type			Colour	Ref. No.
2 P + E			white	ALB45212
			aluminium	ALB46212
			polar white	ALB44212
			blue	ALB4521205
			green	ALB4521206
			yellow	ALB4521210
			red	ALB45214
	Luminous		white	ALB45213
			aluminium	ALB46213
			polar white	ALB44213
			blue	ALB4521305
			green	ALB4521306
			yellow	ALB4521310
			red	ALB45215
2 P + E tamperproof			red	ALB45216
			blue	ALB4521605
			green	ALB4521606
			yellow	ALB4521610
	Luminous		red	ALB45217
			blue	ALB4521705
			green	ALB4521706
			yellow	ALB4521710

Pivoting, straight 90° or slanted 45° position (delivered in straight position)

Lamp for luminous Rotoclip	
Type	Ref. No.
For 2 P + E	ALB45538

Cover plates with indicator lamp		
Type	Colour	Ref. No.
For standard 90° socket-outlets	white	ALB45097
	polar white	ALB44097
	red tamperproof	ALB45098
	red	ALB45099
For Rotoclip socket-outlets	red	ALB45215C

To upgrade a Rotoclip socket-outlet to a luminous Rotoclip socket-outlet, use a cover plate with indicator lamp.

white: RAL9011; polar white: RAL 9003

ALB45272

ALB45271

ALB45277

ALB44277

ALB45278

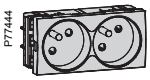
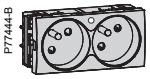
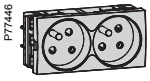
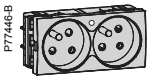
ALB46277

16 A - 250 V AC standard socket-outlets shuttered

Single socket-outlets - shuttered - 90° straight				
Type			Colour	Ref. No.
2 P + E	Screw terminals		white	ALB45272
			polar white	ALB44272
2 P + E tamperproof	Screw terminals		red	ALB45271
			polar white	ALB44271
2 P + E	Screwless terminals		white	ALB45277
			polar white	ALB44277
			red	ALB45278
			aluminium	ALB46277

ALB45226

16 A - 250 V AC double socket-outlets shuttered

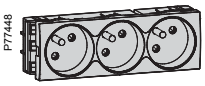
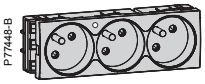
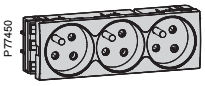
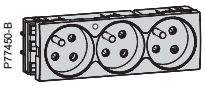
Double socket-outlets - shuttered - 45° slanted position - screwless				
Type			Colour	Ref. No.
2 P + E			white	ALB45222
			aluminium	ALB46222
			polar white	ALB44222
			yellow	ALB4522210
			green	ALB4522206
			blue	ALB4522205
			red	ALB45225
	Luminous		white	ALB45223
			aluminium	ALB46223
			polar white	ALB44223
			yellow	ALB4522310
			green	ALB4522306
			blue	ALB4522305
			red	ALB45224
2 P + E tamperproof			red	ALB45226
			yellow	ALB4522610
			green	ALB4522606
			blue	ALB4522605
	Luminous		red	ALB45227
			yellow	ALB4522710
			green	ALB4522706
			blue	ALB4522705

white: RAL9011; polar white: RAL 9003

ALB45237

16 A - 250 V AC triple socket-outlets

Triple socket-outlets - shuttered - 45° slanted position - screwless

Type			Colour	Ref. No.
2 P + E			white	ALB45232
			aluminium	ALB46232
			polar white	ALB44232
			yellow	ALB4523210
			green	ALB4523206
			blue	ALB4523205
			red	ALB45234
	Luminous		white	ALB45233
			aluminium	ALB46233
			polar white	ALB44233
			yellow	ALB4523310
			green	ALB4523306
			blue	ALB4523305
			red	ALB45235
2 P + E tamperproof			red	ALB45236
			yellow	ALB4523610
			green	ALB4523606
			blue	ALB4523605
	Luminous		red	ALB45237
			yellow	ALB4523710
			green	ALB4523706
			blue	ALB4523705

16 A - 250 V AC socket-outlets with surge arrester

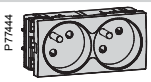
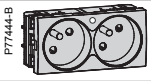
Single socket-outlets - shuttered - 90° straight

Type		Colour	Ref. No.
2 P + E		white	ALB45272P
2 P + E tamperproof		red	ALB45271P

ALB45272P

ALB45271P

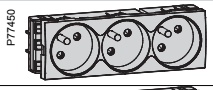
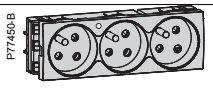
Double socket-outlets - shuttered - 45° slanted position - screwless

Type			Colour	Ref. No.
2 P + E			white	ALB45222P
			red	ALB45224P
	Luminous		white	ALB45223P
			red	ALB45225P

ALB45222P

ALB45235P

Triple socket-outlets - shuttered - 45° slanted position - screwless

Type			Colour	Ref. No.
2 P + E			white	ALB45232P
			red	ALB45234P
2 P + E tamperproof	Luminous		white	ALB45233P
			red	ALB45235P

Acoustic signalling as fault indication
Standard: EN -61643-11+A11

white: RAL9011; polar white: RAL 9003

P77311

ALB45291

P81731

ALB45290

Accessories

Inter-connection piece for 2P + E double and triple socket-outlets		
		Ref. No.
For fast, secure electrical connections		ALB45291

Tamperproofing for tamperproof socket-outlets		
	Colour	Ref. No.
	red	ALB45290
	yellow	ALB4529010
	green	ALB4529006
	blue	ALB4529005

Can be mounted on all types of 2 P + E tamperproof socket-outels

white: RAL9011; polar white: RAL 9003

P93242

ALB45301N

P124008

VDIB17715U

VDIB17715B

P93242

ALB45301

Data sockets

RJ45 LexCom and infraplus data sockets with dismountable connector.
b RoHS compliant.
b Wide range of connectors to fit all the needs, available in:
v categories 5e, 6 and 6$_A$,
v unshielded and shielded versions:
- unshielded versions for U-UTP cables,
- shielded versions for F-UTP / U-FTP / S-FTP cables.
b Easy integration and mounting into cover plates.
b Cover plates fitted with retractable shutter and label-holder with label.
b Free choice of the position of the socket for all installation systems (poles, trunking...).

RJ45 LexCom data sockets with Actassi S-One connectors

b A guarantee of performances.
b Easy and reliable wiring without any specific tool.
b Visible wiring colour code on the connector.
b Faster cable termination by clipping.
b Compact Form Factor.

	Unshielded		**Shielded**	
	Single	Double	Single	Double
Category 5e (100 MHz)				
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB45300N	ALB45340N	ALB45301N	ALB45341N
	(1)	2 x (1)	(2)	2 x (2)
Category 6 (250 MHz)				
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB45302N	ALB45342N	ALB45303N	ALB45343N
	(3)	2 x (3)	(4)	2 x (4)
Category 6$_A$ (500 MHz) 10 Gigabits Ethernet network				
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB45308N	ALB45348N	ALB45304N	ALB45344N
	(5)	2 x (5)	(6)	2 x (6)

Actassi S-one RJ45 connectors reference numbers included into Altira Lexcom data sockets (compliant with ISO/IEC 11801 including amendment 2:2010 for Cat 6$_A$): (1) VDIB17715U, (2) VDIB17715B, (3) VDIB17716U, (4) VDIB17716B,(5) VDIB1771XU, (6) VDIB1771XB.

RJ45 LexCom data sockets

	Unshielded		**Shielded**	
	Single	Double	Single	Double
Category 5e (100 MHz)				
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB45300	ALB45340	ALB45301	ALB45341
Category 6 (250 MHz)				
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB45302	ALB45342	ALB45303	ALB45343

ALB45325N

ALB46325N

VDIB17725U

VDIB17725B

RJ45 infraplus data sockets with Actassi S-One connectors

b A guarantee of performances.
b Easy and reliable wiring without any specific tool.
b Visible wiring colour code on the connector.
b Faster cable termination by clipping.
b Compact Form Factor.

	Unshielded		**Foiled**		**Shielded**	
	Single	Double	Single	Double	Single	Double
Category 5e (100 MHz)	P77455	P77460	P77455	P77912	P81725	P81727
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB45305N	ALB45325N	ALB45315N	ALB45335N	ALB45345N	ALB45355N
aluminium	ALB46305N	ALB46325N	ALB46315N	ALB46335N	ALB46345N	ALB46355N
polar white	ALB44305N	ALB44325N	ALB44315N	ALB44335N	ALB44345N	ALB44355N
	(7)	2 x (7)	(8)	2 x (8)	(8)	2 x (8)
Category 6 (250 MHz)	P77908	P77911	P77910	P77913	P81726	P81728
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB45306N	ALB45326N	ALB45316N	ALB45336N	ALB45346N	ALB45356N
aluminium	ALB46306N	ALB46326N	ALB46316N	ALB46336N	ALB46346N	ALB46356N
polar white	ALB44306N	ALB44326N	ALB44316N	ALB44336N	ALB44346N	ALB44356N
	(9)	2 x (9)	(10)	2 x (10)	(10)	2 x (10)
Category 6A (500 MHz) 10 Gigabits Ethernet network	P77908	P77911	P77910	P77913	P81726	P81728
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB45307N	ALB45327N	ALB45317N	ALB45337N	ALB45347N	ALB45357N
aluminium	ALB46307N	ALB46327N	ALB46317N	ALB46337N	ALB46347N	ALB46357N
polar white			ALB44317N	ALB44337N	ALB44347N	ALB44357N
	(11)	2 x (11)	(12)	2 x (12)	(12)	2 x (12)

Actassi S-one RJ45 connectors reference numbers included into Altira infraplus data sockets (compliant with ISO/IEC 11801 including amendment 2:2010 for Cat 6$_A$): (7) VDIB17725U, (8) VDIB17725B, (9) VDIB17726U, (10) VDIB17726B, (11) VDIB1772XU, (12) VDIB1772XB.

ALB45325

ALB46325

RJ45 infraplus data sockets

	Unshielded		**Shielded**	
	Single	Double	Single	Double
Category 5e (100 MHz)				
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB45330	ALB45360	ALB45331	ALB45361
Category 6 (250 MHz)				
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB45332	ALB45362	ALB45333	ALB45363
Category 6A (500 MHz) 10 Gigabits Ethernet network				
Colour			Ref. No.	Ref. No.
white			ALB45334	ALB45364

white: RAL9011; polar white: RAL 9003

Data sockets

Complementary offer

Cover plates supplied without RJ45 connectors	Colour	Compatible with	Ref. No
For RJ45 Lexcom connectors	white	(1), (2), (3), (4), (5), (6)	ALB45376
For 2x RJ45 Lexcom connectors	white	(1), (2), (3), (4), (5), (6)	ALB45377
For RJ45 infraplus connectors	white	(7), (8), (9), (10), (11), (12)	ALB45391
	aluminium	(7), (8), (9), (10), (11), (12)	ALB46391
	polar white	(7), (8), (9), (10), (11), (12)	ALB44391
For 2x RJ45 infraplus connectors	white	(7), (8), (9), (10), (11), (12)	ALB45384
	aluminium	(7), (8), (9), (10), (11), (12)	ALB46384
	polar white	(7), (8), (9), (10), (11), (12)	ALB44384
For RJ45 AMP™ keystone connectors *Can be used in the Altira cover plates: AMP 1116515-1, AMP 1375055-x, AMP 1375188-1, AMP 1375189-1, AMP 1375191-x*	white		ALB45380
	polar white		ALB44380
For 2x RJ45 AMP keystone connectors *Can be used in the Altira cover plates: AMP 1375055-x, AMP 1375188-1, AMP 1375189-1, AMP 1375191-x*	white		ALB45382
	polar white		ALB44382
For RJ45 Systimax™ connectors *Can be used with VDI Cover Plates: AVAYA MPS100E, AVAYA MGS400, AVAYA MGS500*	white		ALB45381
	polar white		ALB44381
For 2x RJ45 Systimax™ Cat 5 connectors ref. MPS100E *Can be used with VDI Cover Plates: AVAYA MPS100E*	white		ALB45383
	polar white		ALB44383
For RJ45 3M-Pouyet	white		ALB45390
	polar white		ALB44390
RJ45 cover plate shutters (10 units)	Colour		Ref. No
	blue (IT)		ALB45392
	green (backbone)		ALB45393
	red (BMS)		ALB45394
	yellow (telephone)		ALB45395

Systimax™ is a registered trademark of Commsocpe Solutions.
AMP™ is a registered trademark.

white: RAL9011; polar white: RAL 9003

ALB45313

ALB45314

ALB45318

ALB45319

ALB45366

Telephone sockets

LexCom telephone socket RJ12 MJ6/6 Pole Jack			
Type		Colour	Ref. No.
Single		white	ALB45313
Double		white	ALB45314
Infraplus telephone socket RJ12 MJ6/6 Pole Jack			
Type		Colour	Ref. No.
Single		white	ALB45318
Double		white	ALB45319
French telephone socket			
Type		Colour	Ref. No.
Single		white	ALB45366
		aluminium	ALB46366
		polar white	ALB44366

ALB45311

ALB45327

ALB45322

TV/FM/SAT/Hi-Fi sockets

Front side connection	**1 output (TV)**		**1 output (SAT)**		**2 outputs (TV+FM)**	
Rear side connection	1 input		1 input		1 input	
	Colour	Ref. No.	Colour	Ref. No.	Colour	Ref. No.
	white	ALB45311	white	ALB45312	white	ALB45327
	aluminium	ALB46311	aluminium	ALB46312		
	polar white	ALB44311	polar white	ALB44312	polar white	ALB44327
Front side connection						
IEC male	■				■	
IEC female					■	
type F female			■			
Specific features	b Male connector, shielded Φ 9.52 mm b Loss: 0.5 dB b Frequency: 5-2400 MHz		b With passage of 500 mA current for distributed Power supply b Loss: 0.5 dB b Frequency: 5-2400 MHz		b Return channel available at FM end b For all types of TV / FM installation b Recommended for network cables b Loss TV/FM: 1 dB b TV Frequency: 120-862 MHz b FM Frequency: 5-108 MHz	

white: RAL9011; polar white: RAL 9003

P111048

Rear side connection, fast and pivoting with a right-angle coaxial plug

TV/FM/SAT/Hi-Fi sockets (cont.)

Front side connection	**3 outputs (TV + FM + SAT)**		**2 outputs (TV + FM)**		**3 outputs (TV + FM + SAT)**	
Rear side connection	1 input (TV/FM + SAT)		1 input + 1 output		2 inputs (TV/FM + SAT)	
	P90716		P77459		P77458	
	Colour	Ref. No.	Colour	Ref. No.	Colour	Ref. No.
	white	ALB45329	white	ALB45324	white	ALB45322
	aluminium	ALB46329			aluminium	ALB46322
	polar white	ALB44329	polar white	ALB44324	polar white	ALB44322
Front side connection						
- IEC male	■		■		■	
- IEC female	■		■		■	
- type F female	■				■	
Specific features	- loss TV: 1.5 dB, - loss FM: 2 dB, - loss SAT: 3 dB - frequency TV: , 120-862 MHz, - frequency FM: 5-108 MHz, - frequency SAT: 950-2400 MHz.		Return channel-available at TV end for tapping to a second socket. - loss TV/FM: 8 dB, - TV Frequency: 8-68/120-862 MHz, - FM Frequency: 88-108 MHz.		With passage of 500 mA current. - loss TV: 1.5 dB, - loss FM: 1 dB, - loss SAT: 3 dB, - frequency TV: 10-68/140-862 MHz, - frequency FM: 88-125 MHz, - frequency SAT: 950-2150 MHz.	
	For all types of TV / FM installation Recommended for network cables				With passage of 500 mA current for distributed power supply	

Loudspeaker sockets

Loudspeaker sockets			
Type		Colour	Ref. No.
Single socket spring terminal connections	P77463	white	ALB45387
		polar white	ALB44387
Double socket spring terminal connections	P77464	white	ALB45388
		polar white	ALB44388

P77327

ALB45388

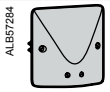
45x45 cable outlets

For 6-12 mm dia. cable					
Type				Colour	Ref. No.
20 A	IP33	1 cable outlet - 45x45 mm	P77478	white	ALB45596
				aluminium	ALB46596
				polar white	ALB44596

P77357

ALB45596

Universal cable outlets

For 6-12 mm dia. cable					
Type				Colour	Ref. No.
16/20 A	IP21	1 cable outlet - 78x78 mm	S260633	polar white	S260633
	IPX4	1 cable outlet - 78x78 mm	S260644	polar white	S260644
	IP33	2 cable outlets with 4 terminals 80x90 mm	E96738	white	ALB57288
For 11-19 mm dia. cable					
Type				Colour	Ref. No.
32 A	IP21	1 cable outlet without terminal with claws mounting in 85 mm box 101x101 mm	 ALB57284	polar white	ALB57284

white: RAL9011; polar white: RAL 9003

P77351

ALB45545

P77276

ALB45520

P77338

ALB45525

P77339

ALB45526

P77341

ALB45528

P109786

ALB45530

P77336

ALB45512

Luminous indications

Flat luminous indicators (without lamp)

		Colour	Ref. No.
	P77476	red	ALB45545
		green	ALB45546
		orange	ALB45547
		colourless	ALB45548

Flat luminous indicator with 22.5 mm diffuser (without lamp)

Type		Ref. No.
Base for 2 x 22.5 mm diffuser flat indicators	P77474 + P77475 + P77475	ALB45520

Diffusers

Type		Colour	Ref. No.
22.5 mm diffusers	P77475	red	ALB45525
		green	ALB45526
		orange	ALB45527
		colourless	ALB45528

Lamp for flat luminous indicators

Type	Ref. No.
12 V DC neon	ALB45530
24 V DC neon	ALB45531
230 V AC neon	ALB45532

Sound indication

Buzzer

Type		Colour	Ref. No.
24 V DC, 8 V and 230 V AC	P77473	white	ALB45512
		polar white	ALB44512

white: RAL9011; polar white: RAL 9003

Altira antibacterial
Inserts

ALB47051

ALB47056

ALB47060

ALB47087

ALB47089

ALB47570

ALB47571

Antibacterial controls

16 A - 250 V AC switches

Screwless terminals			
Type		Colour	Ref. No.
Two-way switch		polar white	ALB47051
Two-way switch with indicator rocker		polar white	ALB47077
Double two-way switch		polar white	ALB47056

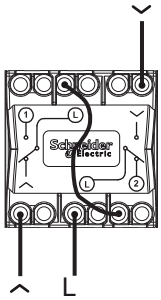
10 A - 250 V AC push-buttons

Screwless terminals			
Type		Colour	Ref. No.
One-way push-button		polar white	ALB47060
Double one way push-button		polar white	ALB47063
Normally open push-button with indicator rocker		polar white	ALB47072

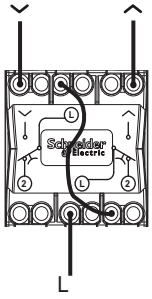
Roller blinds 10 / 16 A - 250 V AC

Roller blinds control				
Type			Colour	Ref. No.
16 A one-way roller blinds switch (1)	Raise/Lower control of roller blinds by latched order		polar white	ALB47087
10 A roller blinds push-button (2)	Raise/Lower control of blinds or automation device by pulse-type order		polar white	ALB47089

(1)



(2)



Antibacterial accessories

Blind covers				
Type			Colour	Ref. No.
Blind cover 45x45 mm	Installed in place of a function		polar white	ALB47570
Blind cover 22.5 x 45 mm	Blanking of one of the double control mechanisms switches or pushbutton		polar white	ALB47571

polar white: RAL 9003

Antibacterial socket-outlets

16 A - 250 V AC rotoclip socket-outlets shuttered

ALB47212

Single socket-outlets - shuttered - 45°/90° Rotoclip - screwless terminals			
Type		Colour	Ref. No.
2 P + E		polar white	ALB47212
2P+E + tamperproof		polar white	ALB4721603

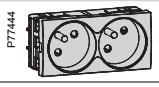
16 A - 250 V AC standard socket-outlets shuttered

ALB47277

Single socket-outlets - shuttered - 90° straight - screwless			
Type		Colour	Ref. No.
2 P + E		polar white	ALB47277

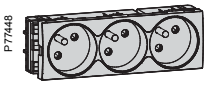
16 A - 250 V AC double socket-outlets shuttered

ALB47222

Double socket-outlets - shuttered - 45° slanted position - screwless			
Type		Colour	Ref. No.
2 P + E		polar white	ALB47222

16 A - 250 V AC triple socket-outlets

ALB47232

Triple socket-outlets - shuttered - 45° slanted position - screwless			
Type		Colour	Ref. No.
2 P + E		polar white	ALB47232

polar white: RAL 9003

Altira antibacterial
Inserts

Comfort controls

Dimmers

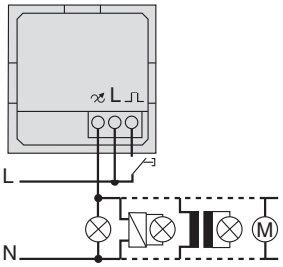
Push-button dimmers

Type	Colour	Ref. No.
Universal push-button dimmer 20- 350 VA	polar white	ALB47190

P132163

ALB47190

P77440



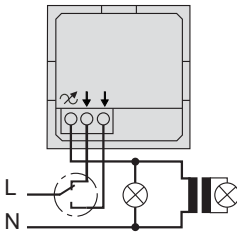
Rotary dimmer

Type		Colour	Ref. No.
40 - 400 VA two-way	2 wire connection	polar white	ALB47192

P132164

ALB47192

P77441



Push-button dimmer	Rotary dimmers 40 - 400 VA		
ALB47190	ALB47192	**Loads**	
20 W 350 W	40 W 400 W	P77989 P77990	230 V AC incandescent and halogen lamps
20 VA 350 VA	40 VA 400 VA	P77991	ELV halogen lamps with ferromagnetic transformer (non toroidal)
20 VA 300 VA		P77991	ELV lamps with toroidal transformer
20 VA 350 VA		P77993	ELV halogen lamps with electronic transformer
		P77994	230 V AC fluorescent tube, Ø 26 or 38 mm with 1-10 V electronic ballast 36 W with 10 electronic ballasts (1-10 V) 2 x 16 W, Ø 26 or 30 mm with 5 electronic ballasts (1-10 V) Maximum control of 50 electronic ballasts (1-10 V) with an external relay
20 W 200 W		P77996	230 V AC fans
20 W 350 W		P77997	230 V AC convectors
		P77998	230 V AC motors
		Installation	
		Installed in place of a switch	
		May be controlled by push-buttons: up to 25 push-button without indicator lamp in the surrounding area	

polar white: RAL 9003

polar white: RAL 9003

P126407
ALB47316N

P124008
VDIB17715U

P124011
VDIB17715B

P132188
ALB47366

P132182
ALB47311

P132196
ALB47440

P132197
ALB47444

P132198
ALB47446

Antibacterial data sockets

RJ45 Alombard data sockets polar white				
	Foiled		**Shielded**	
	Single	Double	Single	Double
Category 6 (250 MHz)	P90706	P93441	P90707	P81728
Colour	Ref. No.	Ref. No.	Ref. No.	Ref. No.
white	ALB47316N (10)	ALB47336N 2 x (10)	ALB47346N (10)	ALB47356N 2 x (10)

Actassi S-one RJ45 connectors reference numbers included into Altira infraplus data sockets (compliant with ISO/IEC 11801 including amendment 2:2010 for Cat 6_A):
(8) VDIB17725B, (10) VDIB17726B.

Antibacterial telephone sockets

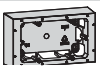
French telephone socket			
Type		Colour	Ref. No.
Single	P77462	polar white	ALB47366

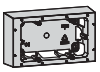
Antibacterial TV/FM/SAT/Hi-Fi sockets

Front side connection	**1 output (TV)**	
Rear side connection	1 input	
	P77456	
	Colour	Ref. No.
	polar white	ALB47311
Front side connection		
IEC male	■	
Specific features	b Male connector, shielded Φ 9.52 mm b Loss: 0.5 dB b Frequency: 5-2400 MHz	

Antibacterial standard surface mounted boxes

1 gang				
For fixing frame ALB45621				
Type	Dimensions (mm)		Colour	Ref. No.
Depth 40 mm	80 x 80	P77468	polar white	ALB47440

2 inserts side-by-side horizontal and 2 gang vertical				
For fixing frame ALB45624 et ALB45623				
Type	Dimensions (mm)		Colour	Ref. No.
Depth 40 mm	80 x 140	 P77964	polar white	ALB47444

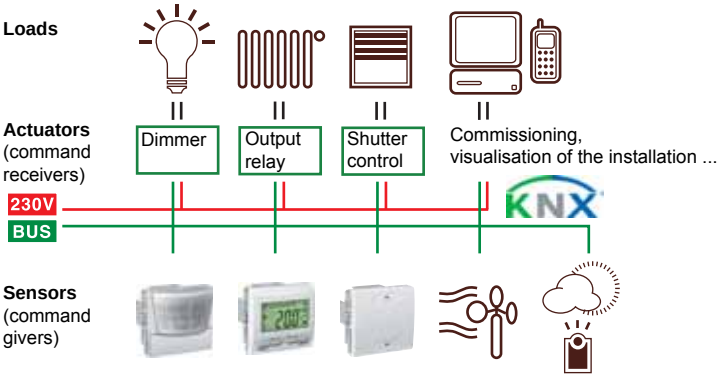
3 inserts side by side horizontal				
For fixing frame ALB45624 et ALB45623				
Type	Dimensions (mm)		Colour	Ref. No.
Depth 40 mm	80 x 195	 P77964	polar white	ALB47446

polar white: RAL 9003

Altira for KNX system
Inserts

Introduction

b The following Altira control devices have to be connected to KNX bus line.
b The KNX bus line is laid in parallel to the 230 V power supply.
b When Altira sensor is activated (for example, a push-button), an actuator (e.g. the roller shutter control) will carry out all the switching commands required.



Controls

Push-buttons

Push-buttons - with screwless bus connecting terminals

Type			Colour	Ref. No.
2 buttons and 2 blue status LEDs	b With set of 10 symbols: v 2x symbol with light opening, v 1x symbol “1”, v 1x symbol “0”, v 2x symbol for dimming, v 2x symbol for shutter, v 2x symbol (neutral).	Picto_alb45150	white	ALB45150
			aluminium	ALB46150
			polar white	ALB44150
4 buttons and 4 blue status LEDs	b With set of 20 symbols: v 4x symbol with light opening, v 2x symbol “1”, v 2x symbol “0”, v 4x symbol for dimming, v 4x symbol for shutter, v 4x symbol (neutral).	Picto_alb45151	white	ALB45151
			aluminium	ALB46151
			polar white	ALB44151
2 buttons, blue status LED and Infra Red (IR) receiver	b The status LED is located under the symbol window. The functions of each of the button can be triggered using an IR remote control. b The push-button is pre-programmed for operation with a IR remote control(ref. No. MTN570222). Many other IR remote controls (e.g. existing TV or CD player remote controls) can be taught into the push-buttons.	Picto_alb45152	white	ALB45152
			aluminium	ALB46152
			polar white	ALB44152

KNX software functions: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.

Infra Red (IR) remote control for IR push-button receiver

Type			Colour	Ref. No.
10-channel IR remote control	b Up to 20 m range b Delivered without battery v 2 microcells (IEC LR 03, AAA)	Picto_MTN570222	black	MTN570222

white: RAL9011; polar white: RAL 9003

00031420

ALB45150

00031438

ALB46151

00031432

ALB45152

00007979_0

MTN570222

Comfort controls

00031008

ALB45153

Movement detector 180°- with screwless bus connecting terminals

Type		Colour	Ref. No.
When a movement is detected, a data telegram defined by the programming is transmitted. b Two movement sensors: the sensitivity and range can be set separately for each sensor b Detection angle: 180° b Installation height : 1 m to 2.5 m b Detection area at 2.15 m mounting height : Approx. 9 m on all sides, adjustable in 10 steps (rotary switch or ETS) b Detection brightness: Infinite setting from approx. 10 lux to approx.1000 lux (rotary switch) or from 10 lux to 2000 lux (ETS) b Overshoot time: Adjustable in 6 steps from approx. 1 s to approx. 8 min (rotary switch) or adjustable from 1 s to 255 hours (ETS) b EC guidelines: Low-voltage guideline 2006/95/EEC and EMC guideline 2004/108/EC	Picto_alb45153	white	ALB45153
		aluminium	ALB46153
		polar white	ALB44153

KNX software functions: 5 movement blocks: up to 4 functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

00031011

ALB45153

Temperature control unit - with screwless bus connecting terminals

		Colour	Ref. No.
b With display and 4 buttons b 2-step control, continuous PI controller, switching PI controller (PWM) b Output: continuous in the range 0 to 100% or switching ON/OFF b Controller mode: v Heating with one controller output v Cooling with one controller output v Heating and cooling with separate controller outputs v Heating and cooling with one controller output v 2-step heating with 2 control outputs v 2-step cooling with 2 control outputs v 2-step heating and cooling with 4 control outputs b Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.	Picto_alb45154	white	ALB45154
		aluminium	ALB46154
		polar white	ALB44154

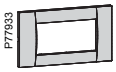
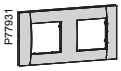
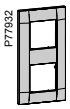
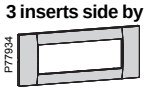
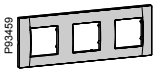
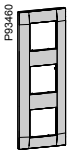
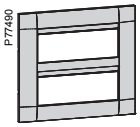
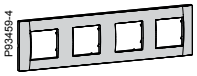
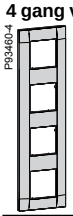
For more information on functions and products in association with KNX go to Schneider Electric KNX catalogue.

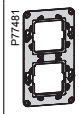
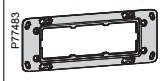
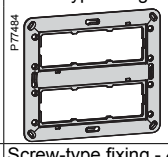
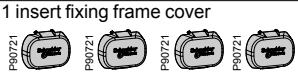
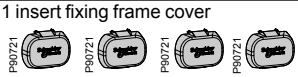
white: RAL9011; polar white: RAL 9003

TO BE locally adapted

Altira

Cover frames and plastic fixing frames

Type	Cover frames White and colours	Ref. No.	Translucent	Ref. No.	Crystal	Ref. No.	Quadro	Ref. No.
1 gang 	White	ALB45650	Alu	ALB45770	Emerald	ALB45750	Polar white	ALB44810
	Polar white	ALB44650	Bronze	ALB45780	Sapphire	ALB45760	Pearl	ALB44820
	Marble	ALB45710	Graphite	ALB45790			Stone	ALB44830
	Granite	ALB45720					Aluminium	ALB44840
	Mist Grey	ALB45730					Copper	ALB44850
	Slate-blue	ALB45740						
	Aluminium	ALB46650						
2 inserts side by side horizontal 	White	ALB45654						
	Polar white	ALB44654						
	Marble	ALB45714						
	Granite	ALB45724						
	Mist Grey	ALB45734						
	Slate-blue	ALB45744						
	Aluminium	ALB46654						
2 gang horizontal (71 mm) 	White	ALB45652					Polar white	ALB44812
	Polar white	ALB44652					Pearl	ALB44822
	Marble	ALB45712					Stone	ALB44832
	Granite	ALB45722					Aluminium	ALB44842
	Mist Grey	ALB45732					Copper	ALB44852
	Slate-blue	ALB45742						
	Aluminium	ALB46652						
2 gang vertical (71 mm) 	White	ALB45655					Polar white	ALB44812
	Polar white	ALB44655					Pearl	ALB44822
	Marble	ALB45715					Stone	ALB44832
	Granite	ALB45725					Aluminium	ALB44842
	Mist Grey	ALB45735					Copper	ALB44852
	Slate-blue	ALB45745						
	Aluminium	ALB46655						
2 gang vertical (57 mm) 	White	ALB45653						
	Polar white	ALB44653						
	Marble	ALB45713						
	Granite	ALB45723						
	Mist Grey	ALB45733						
	Slate-blue	ALB45743						
	Aluminium	ALB46653						
3 inserts side by side horizontal 	White	ALB45656						
	Polar white	ALB44656						
	Marble	ALB45716						
	Granite	ALB45726						
	Mist Grey	ALB45736						
	Slate-blue	ALB45746						
	Aluminium	ALB46656						
3 gang horizontal (71 mm) 	White	ALB45657					Polar white	ALB44817
	Polar white	ALB44657					Pearl	ALB44827
	Marble	ALB45717					Stone	ALB44837
	Granite	ALB45727					Aluminium	ALB44847
	Mist Grey	ALB45737					Copper	ALB44857
	Slate-blue	ALB45747						
	Aluminium	ALB46657						
3 gang vertical (71 mm) 	White	ALB45659					Polar white	ALB44817
	Polar white	ALB44659					Pearl	ALB44827
	Marble	ALB45719					Stone	ALB44837
	Granite	ALB45729					Aluminium	ALB44847
	Mist Grey	ALB45739					Copper	ALB44857
	Slate-blue	ALB45749						
	Aluminium	ALB46659						
2 x 3 inserts side by side horizontal 	White	ALB45658						
	Polar white	ALB44658						
	Marble	ALB45718						
	Granite	ALB45728						
	Mist Grey	ALB45738						
	Slate-blue	ALB45748						
	Aluminium	ALB46658						
4 gang horizontal (71 mm) 							Polar white	ALB44818
							Pearl	ALB44828
							Stone	ALB44838
							Aluminium	ALB44848
							Copper	ALB44858
4 gang vertical (71 mm) 							Polar white	ALB44818
							Pearl	ALB44828
							Stone	ALB44838
							Aluminium	ALB44848
							Copper	ALB44858

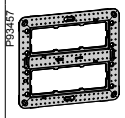
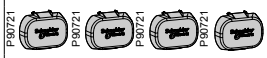
Plastic fixing frames			Protection covers
	Ref. No.	Ref. No.	Ref. No.
Screw-type fixing - 4 fixing points 	ALB45621	Claw-type fixing with short claws ALB45622 with long claws ALB45620 long claws (1) ALB45690 (10 units) (1) compatible with all mechanisms except for dimmer, time delay switch, thermostat and movement detector mechanisms.	1 insert fixing frame cover ALB45552
Screw-type fixing - 4 fixing points 	ALB45624		2 inserts side by side fixing frame cover ALB45554
Screw-type fixing - 4 fixing points - center-to-center 71 mm 	2 x ALB45621		1 insert fixing frame cover 2 x ALB45552
Screw-type fixing - 4 fixing points - center-to-center 71 mm 	2 x ALB45621		1 insert fixing frame cover 2 x ALB45552
Screw-type fixing - 4 fixing points - center-to-center 57 mm 	ALB45623		
Screw-type fixing - 4 fixing points 	ALB45626		3 inserts side by side fixing frame cover ALB45556
Screw-type fixing - 4 fixing points - center-to-center 71 mm 	3 x ALB45621		1 insert fixing frame cover 3 x ALB45552
Screw-type fixing - 4 fixing points - center-to-center 71 mm 	3 x ALB45621		1 insert fixing frame cover 3 x ALB45552
Screw-type fixing - 4 fixing points 	ALB45628		3 inserts side by side fixing frame cover 2 x ALB45556
Screw-type fixing - 4 fixing points - center-to-center 71 mm 	4 x ALB45621		1 insert fixing frame cover  4 x ALB45552
Screw-type fixing - 4 fixing points - center-to-center 71 mm 	4 x ALB45621		1 insert fixing frame cover  4 x ALB45552

TO BE locally adapted

Altira

Cover frames and zamak fixing frames

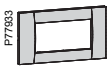
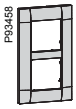
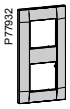
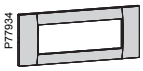
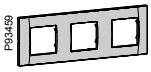
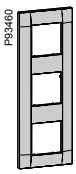
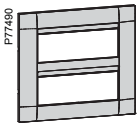
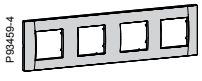
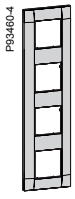
Type	Cover frames White and colours	Ref. No.	Translucent	Ref. No.	Crystal	Ref. No.	Quadro	
1 gang P77930	White	ALB45650	Alu	ALB45770	Emerald	ALB45750	Polar white	ALB44810
	Polar white	ALB44650	Bronze	ALB45780	Sapphire	ALB45760	Pearl	ALB44820
	Marble	ALB45710	Graphite	ALB45790			Stone	ALB44830
	Granite	ALB45720					Aluminium	ALB44840
	Mist Grey	ALB45730					Copper	ALB44850
	Slate-blue	ALB45740						
	Aluminium	ALB46650						
2 inserts side by side horizontal P77933	White	ALB45654						
	Polar white	ALB44654						
	Marble	ALB45714						
	Granite	ALB45724						
	Mist Grey	ALB45734						
	Slate-blue	ALB45744						
	Aluminium	ALB46654						
2 gang horizontal (71 mm) P77931	White	ALB45652					Polar white	ALB44812
	Polar white	ALB44652					Pearl	ALB44822
	Marble	ALB45712					Stone	ALB44832
	Granite	ALB45722					Aluminium	ALB44842
	Mist Grey	ALB45732					Copper	ALB44852
	Slate-blue	ALB45742						
	Aluminium	ALB46652						
2 gang vertical (71 mm) P93458	White	ALB45655					Polar white	ALB44812
	Polar white	ALB44655					Pearl	ALB44822
	Marble	ALB45715					Stone	ALB44832
	Granite	ALB45725					Aluminium	ALB44842
	Mist Grey	ALB45735					Copper	ALB44852
	Slate-blue	ALB45745						
	Aluminium	ALB46655						
3 inserts side by side horizontal P77934	White	ALB45656						
	Polar white	ALB44656						
	Marble	ALB45716						
	Granite	ALB45726						
	Mist Grey	ALB45736						
	Slate-blue	ALB45746						
	Aluminium	ALB46656						
3 gang horizontal (71 mm) P93459	White	ALB45657					Polar white	ALB44817
	Polar white	ALB44657					Pearl	ALB44827
	Marble	ALB45717					Stone	ALB44837
	Granite	ALB45727					Aluminium	ALB44847
	Mist Grey	ALB45737					Copper	ALB44857
	Slate-blue	ALB45747						
	Aluminium	ALB46657						
3 gang vertical (71 mm) P93460	White	ALB45659					Polar white	ALB44817
	Polar white	ALB44659					Pearl	ALB44827
	Marble	ALB45719					Stone	ALB44837
	Granite	ALB45729					Aluminium	ALB44847
	Mist Grey	ALB45739					Copper	ALB44857
	Slate-blue	ALB45749						
	Aluminium	ALB46659						
2 x 3 inserts side by side horizontal P77490	White	ALB45658						
	Polar white	ALB44658						
	Marble	ALB45718						
	Granite	ALB45728						
	Mist Grey	ALB45738						
	Slate-blue	ALB45748						
	Aluminium	ALB46658						
4 gang horizontal (71 mm) P93459-4							Polar white	ALB44818
							Pearl	ALB44828
							Stone	ALB44838
							Aluminium	ALB44848
							Copper	ALB44858
4 gang vertical (71 mm) P93460-4							Polar white	ALB44818
							Pearl	ALB44828
							Stone	ALB44838
							Aluminium	ALB44848
							Copper	ALB44858

Zamak fixing frames				Protection covers	
	Ref. No.		Ref. No.		Ref. No.
Screw-type fixing - 4 fixing points		Claw-type fixing		1 insert fixing frame cover	
P93452	ALB45631	P93453	with short claws ALB45632 with long claws ALB45630	P90721	ALB45552
		P77491	long claws (1) ALB45690 (10 units)		
(1) compatible with all mechanisms except for dimmer, time delay switch, thermostat and movement detector mechanisms.					
Screw-type fixing - 4 fixing points				2 inserts side by side fixing frame cover	
P93465	ALB45634			P90722	ALB45554
Screw-type fixing - 4 fixing points - center-to-center 71 mm				2 inserts side by side fixing frame cover	
P93452 P93452	2 x ALB45631			P90721 P90721	ALB45554
Screw-type fixing - 4 fixing points - center-to-center 71 mm				1 insert fixing frame cover	
P93452 P93452	2 x ALB45631			P90721 P90721	2 x ALB45552
Screw-type fixing - 4 fixing points				3 inserts side by side fixing frame cover	
P93466	ALB45636			P90723	ALB45556
Screw-type fixing - 4 fixing points - center-to-center 71 mm				1 insert fixing frame cover	
P93452 P93452 P93452	3 x ALB45631			P90721 P90721 P90721	3 x ALB45552
Screw-type fixing - 4 fixing points - center-to-center 71 mm				1 insert fixing frame cover	
P93452 P93452 P93452	3 x ALB45631			P90721 P90721 P90721	3 x ALB45552
Screw-type fixing - 4 fixing points				3 inserts side by side fixing frame cover	
 P93457	ALB45638			P90723 P90723	2x ALB45556
Screw-type fixing - 4 fixing points - center-to-center 71 mm				1 insert fixing frame cover	
P93452 P93452 P93452 P93452	4 x ALB45631			 P90721 P90721 P90721 P90721	4 x ALB45552
Screw-type fixing - 4 fixing points - center-to-center 71 mm				1 insert fixing frame cover	
P93462 P93462 P93462 P93462	4 x ALB45631			P90721 P90721 P90721 P90721	4 x ALB45552

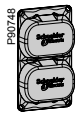
TO BE locally adapted

Altira

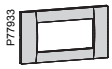
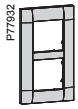
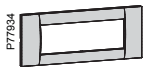
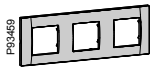
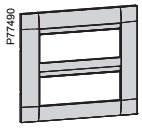
Cover frames and plastic fixing frames with protection covers

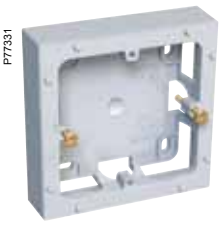
Type	Cover frames – White and colours	Ref. No.	Translucent	Ref. No.	Crystal	Ref. No.	Quadro	Ref. No.
1 gang	White	ALB45650	Alu	ALB45770	Emerald	ALB45750	Polar white	ALB44810
	Polar white	ALB44650	Bronze	ALB45780	Sapphire	ALB45760	Pearl	ALB44820
	Marble	ALB45710	Graphite	ALB45790			Stone	ALB44830
	Granite	ALB45720					Aluminium	ALB44840
	Mist Grey	ALB45730					Copper	ALB44850
	Slate-blue	ALB45740						
	Aluminium	ALB46650						
2 inserts side by side horizontal 	White	ALB45654						
	Polar white	ALB44654						
	Marble	ALB45714						
	Granite	ALB45724						
	Mist Grey	ALB45734						
	Slate-blue	ALB45744						
	Aluminium	ALB46654						
2 gang horizontal (71 mm)	White	ALB45652					Polar white	ALB44812
	Polar white	ALB44652					Pearl	ALB44822
	Marble	ALB45712					Stone	ALB44832
	Granite	ALB45722					Aluminium	ALB44842
	Mist Grey	ALB45732					Copper	ALB44852
	Slate-blue	ALB45742						
	Aluminium	ALB46652						
2 gang vertical (71 mm) 	White	ALB45655					Polar white	ALB44812
	Polar white	ALB44655					Pearl	ALB44822
	Marble	ALB45715					Stone	ALB44832
	Granite	ALB45725					Aluminium	ALB44842
	Mist Grey	ALB45735					Copper	ALB44852
	Slate-blue	ALB45745						
	Aluminium	ALB46655						
2 gang vertical (57 mm) 	White	ALB45653						
	Polar white	ALB44653						
	Marble	ALB45713						
	Granite	ALB45723						
	Mist Grey	ALB45733						
	Slate-blue	ALB45743						
	Aluminium	ALB46653						
3 inserts side by side horizontal 	White	ALB45656					Polar white	ALB44817
	Polar white	ALB44656					Pearl	ALB44827
	Marble	ALB45716					Stone	ALB44837
	Granite	ALB45726					Aluminium	ALB44847
	Mist Grey	ALB45736					Copper	ALB44857
	Slate-blue	ALB45746						
	Aluminium	ALB46656						
3 gang horizontal (71 mm) 	White	ALB45657					Polar white	ALB44817
	Polar white	ALB44657					Pearl	ALB44827
	Marble	ALB45717					Stone	ALB44837
	Granite	ALB45727					Aluminium	ALB44847
	Mist Grey	ALB45737					Copper	ALB44857
	Slate-blue	ALB45747						
	Aluminium	ALB46657						
3 gang vertical (71 mm) 	White	ALB45659						
	Polar white	ALB44659						
	Marble	ALB45719						
	Granite	ALB45729						
	Mist Grey	ALB45739						
	Slate-blue	ALB45749						
	Aluminium	ALB46659						
2 x 3 inserts side by side horizontal 	White	ALB45658						
	Polar white	ALB44658						
	Marble	ALB45718						
	Granite	ALB45728						
	Mist Grey	ALB45738						
	Slate-blue	ALB45748						
	Aluminium	ALB46658						
4 gang horizontal (71 mm) 							Polar white	ALB44818
							Pearl	ALB44828
							Stone	ALB44838
							Aluminium	ALB44848
							Copper	ALB44858
4 gang vertical (71 mm) 							Polar white	ALB44818
							Pearl	ALB44828
							Stone	ALB44838
							Aluminium	ALB44848
							Copper	ALB44858

Plastic fixing frames with protection covers

	Ref. No.		Ref. No.
Screw-type fixing - 4 fixing points	ALB45601	Claw-type fixing with short claws	ALB45602
Screw-type fixing - 4 fixing points	ALB45604		
Screw-type fixing - 4 fixing points - center-to-center 71 mm	2 x ALB45601		
Screw-type fixing - 4 fixing points - center-to-center 71 mm	2 x ALB45601		
Screw-type fixing - 4 fixing points - center-to-center 57 mm 	ALB45603		
Screw-type fixing - 4 fixing points	ALB45606		
Screw-type fixing - 4 fixing points - center-to-center 71 mm	3 x ALB45601		
Screw-type fixing - 4 fixing points - center-to-center 71 mm	3 x ALB45601		
Screw-type fixing - 4 fixing points	ALB45612		
Screw-type fixing - 4 fixing points - center-to-center 71 mm	4 x ALB45601		
Screw-type fixing - 4 fixing points - center-to-center 71 mm	4 x ALB45601		

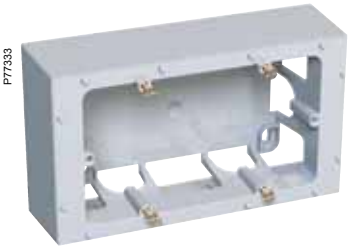
Altira antibacterial
Cover frames

Type	Cover frames Antibacterial	Ref. No.
1 gang	Polar white	ALB47650
2 inserts side by side horizontal 	Polar white	ALB47654
2 gang horizontal (71 mm)	Polar white	ALB47652
2 gang vertical (57 mm) 	Polar white	ALB47653
3 inserts side by side horizontal 	Polar white	ALB47656
3 gang horizontal (71 mm) 	Polar white	ALB47657
2 x 3 inserts side by side horizontal 	Polar white	ALB47658



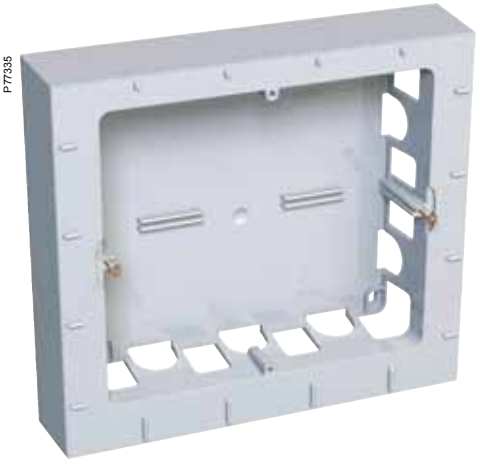
ALB45430

ALB45440



ALB45444

ALB45446



ALB45448

Standard surface mounted boxes

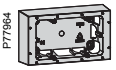
1 gang

For fixing frame ALB45621

Type	Dimensions (mm)		Colour	Ref. No.
Depth 20.5 mm	80 x 80		white	ALB45430
Depth 40 mm	80 x 80		white	ALB45440
			polar white	ALB44440

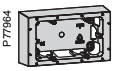
2 inserts side-by-side horizontal and 2 gang vertical

For fixing frame ALB45624 et ALB45623

Type	Dimensions (mm)		Colour	Ref. No.
Depth 40 mm	80 x 140		white	ALB45444
			polar white	ALB44444

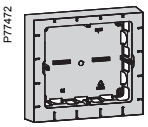
3 inserts side by side horizontal

For fixing frame ALB45624 et ALB45623

Type	Dimensions (mm)		Colour	Ref. No.
Depth 40 mm	80 x 195		white	ALB45446
			polar white	ALB44446

2 x 3 gang horizontal

For fixing frame ALB45629

Type	Dimensions (mm)		Colour	Ref. No.
Depth 40 mm	175 x 195		white	ALB45448
			polar white	ALB44448

white: RAL9011; polar white: RAL 9003

Altira
Boxes and accessories

ALB44436

ALB46436

ALB44456

ALB46456

ALB44476

ALB46476

ALB44468

ALB46468

Concentration surface mounted boxes

2x3 gang horizontal

Type		Colour	Ref. No.
Depth 40 mm		polar white	ALB44436
		antibacterial polar white	ALB47436
		aluminium	ALB46436

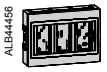
3x3 gang horizontal

Type		Colour	Ref. No.
Depth 40 mm		polar white	ALB44439
		antibacterial polar white	ALB47439
		aluminium	ALB46439

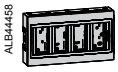
2x2 gang vertical

Type		Colour	Ref. No.
Depth 40 mm		polar white	ALB44454
		antibacterial polar white	ALB47454
		aluminium	ALB46454

3x2 gang vertical

Type		Colour	Ref. No.
Depth 40 mm		polar white	ALB44456
		antibacterial polar white	ALB47456
		aluminium	ALB46456

4x2 gang vertical

Type		Colour	Ref. No.
Depth 40 mm		polar white	ALB44458
		antibacterial polar white	ALB47458
		aluminium	ALB46458

Concentration flush mounted boxes

2x3 gang horizontal

Type		Colour	Ref. No.
Depth 40 mm		polar white	ALB44476
		antibacterial polar white	ALB47476
		aluminium	ALB46476

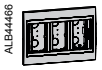
3x3 gang horizontal

Type		Colour	Ref. No.
Depth 40 mm		polar white	ALB44479
		antibacterial polar white	ALB47479
		aluminium	ALB46479

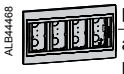
2x2 gang vertical

Type		Colour	Ref. No.
Depth 40 mm		polar white	ALB44464
		antibacterial polar white	ALB47464
		aluminium	ALB46464

3x2 gang vertical

Type		Colour	Ref. No.
Depth 40 mm		polar white	ALB44466
		antibacterial polar white	ALB47466
		aluminium	ALB46466

4x2 gang vertical

Type		Colour	Ref. No.
Depth 40 mm		polar white	ALB44468
		antibacterial polar white	ALB47468
		aluminium	ALB46468

polar white: RAL 9003

ALB45490

ALB45491

Accessories

Divider (desk Unit box)	
Type	Ref. No.
Metal	ALB45480
Plastic	ALB45480P

Acti 9 DIN rail support	
Type	Ref. No.
	ALB45484

Junction	
Type	Ref. No.
For surface mounted box	ALB45490
For flush mounted box	ALB45491

Reference number overview

ALB4419....38
ALB44021....35
ALB44024....35
ALB44026....35
ALB44030....41
ALB44031....41
ALB44035....41
ALB44036....41
ALB44051....35
ALB44053....35
ALB44054....35
ALB44056....35
ALB44060....36
ALB44062....36
ALB44063....36
ALB44065....36
ALB44070....36
ALB44072....36
ALB44076....35
ALB44077....35
ALB44081....37
ALB44083....37
ALB44084....37
ALB44085....37
ALB44087....36
ALB44089....36
ALB44097....42
ALB44112....39
ALB44113....39
ALB44120....40
ALB44139....40
ALB44150....56
ALB44151....56
ALB44152....56
ALB44153....57
ALB44154....57
ALB44190....38
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ALB44194....38
ALB44212....42
ALB44213....42
ALB44222....43
ALB44223....43
ALB44232....44
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Multifix Plus

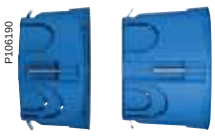
Installation boxes

Multifix Plus is the family name of the new sturdy, inventive and yet cost-efficient range of installation boxes from Schneider Electric. The clever design, quick installation and many functions are among the most winning Multifix Plus characteristics.

Another valuable features is the wide range of models, allowing you to find exactly the right device for your every need, such as single, double, triple or multi boxes to be mounted in hollow or brick walls, or in the ceiling. And last but not least – the Multifix Plus range is conveniently presented – many of the items can be ordered in pre-packed kits.

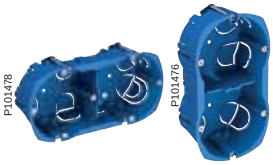
Speed

At Schneider Electric we always think about saving your time. Each one of the Multifix Plus components is therefore designed to speed up your work. Our kits, special tools and triple-threaded screws are some good examples of how this thought shapes our products.



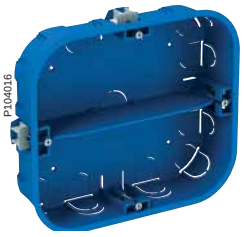
Two depths

Choose the 40 mm box if the walls are shallow. Or the 50 mm box to fit more cable for bigger installations, or bigger electronic devices.



Horizontal or vertical

We have horizontal and vertical boxes. Note the separation wall. It's always included, so there is no need for extra "shopping" if your installation is a mix of power and low voltage.

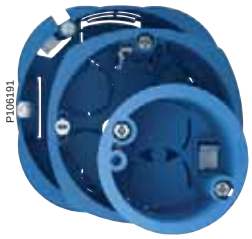


All in one!

This six-station apparatus box is a smart choice if you want a compact and centralised panel installation.

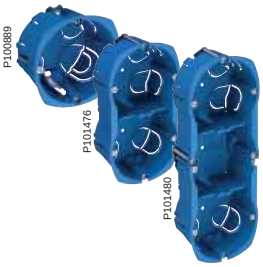
Pre-packed kits

The Multifix range offers several pre-packed kits, most also including a DCL outlet. Convenient, time saving and easy to order since all kits have an ordering number of their own.



40, 67 or 85 mm

The Multifix Plus range is really complete. For most jobs the 67 mm box is the best choice. For connection points and kitchen stove installations, use the 85 mm box, approved for 20A and 32A outlets. It has extra space to contain a large amount of cables.The 40 mm box is perfect for smaller applications.



Single, double or triple

You will surely find a box to match your needs in the Multifix Plus range.

A bright idea

Our smart DCL ceiling box kit includes everything needed; cover, IPX4 DCL outlet with blanking plate, hook, suspension chimney, lighting plug with B22 base for a temporary light bulb and a DCL-plug 2 PE.

The art of hole-making

The finish reveals the craftsmanship. Or the fact that you have discovered our special hole saws; a great tool which drills exact and sharp holes designed for the Multifix Plus range.

Don’t be fooled by the lean and minimalistic design – these installation boxes are all jam-packed with innovations and ingenuity! Even if they may just look like pieces of blue plastic, every detail has its specific purpose aimed to make your job faster, easier and more professional. Look closer at these boxes to discover all the smart details.

Easy mounting/dismounting

The smart expanding claw construction together with the non-loosable screws does also provide reversability. If you have to correct the installation, you can easily remove the box without damaging the wall, and re-use it again. No loss of fixing parts.

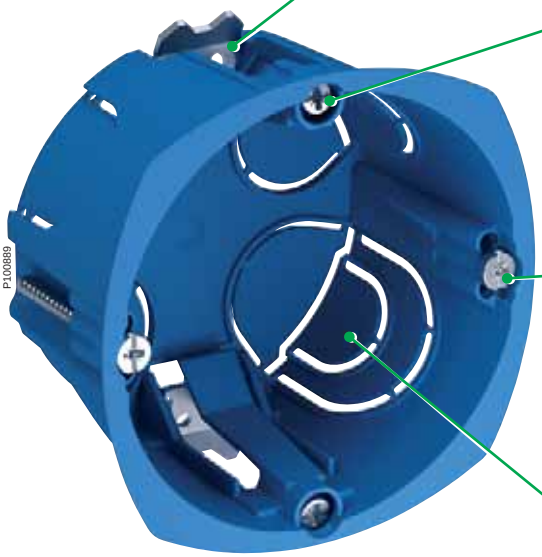
Meets the EN standard

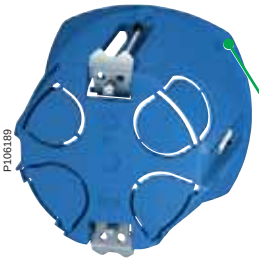
The whole range meets the EN standard IEC 60670-1.

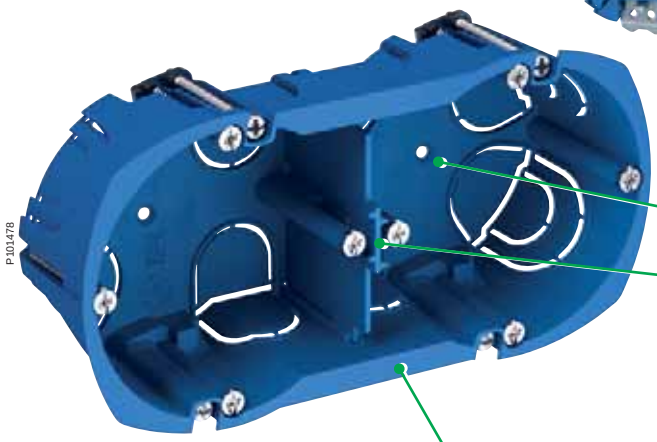
It’s sturdy and flame proof

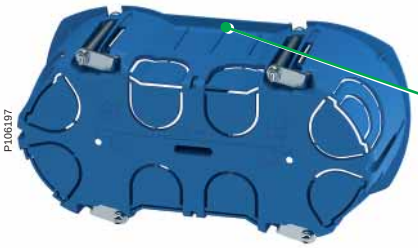
The box is made of polystyrene. It’s rigid, reliable and will not crack. Tests have shown it will keep its shape and full function up to 60° and down to -5°C.

The Multifix Plus boxes are all flame-proof. This means that they have “survived” the 850°C glow wire test.



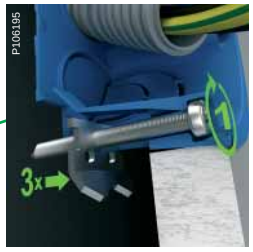






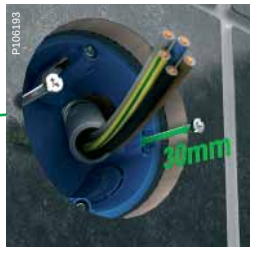
The perfect grip

The 67 mm single boxes have universal fixing claws with multiple function. The expanding construction and sharp-end claw creates a firm grip in hollow board walls as well as in brick walls. And no need to be tender handed; the screw is torque resistant and the claw is made of steel instead of plastic.



Fast and clever screws

The screws are “high-speed” i.e. triple-threaded. This will make the assembly 3 times faster. Each screw has a built-in stop end to prevent the loss of claws, which makes the box re-usable.



All kinds of walls, wiring devices and frames

The long screws make the boxes suitable for any type of wall, regardless of its thickness. The 60 mm fixing centers fit most wiring devices and handle both horizontal and vertical mounting frames. Three alternative fixing holes for the wiring device ensures a perfect end result.

Knock-outs

Six knock-outs for conduits in the single boxes. The knock-outs are easily removed by hand giving a clean cut. So forget about sharp edges and burrs that cause injuries!

Anti-rotation system

The single boxes have four wings that ensure a perfect grip in all walls. Prevents unwanted rotation of the box.

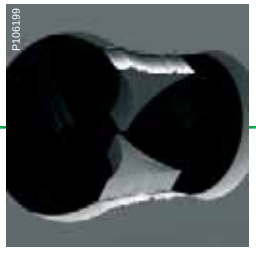
Double box

The two holes in the bottom are for marking where to drill. Once you have drilled the two holes you can easily cut away the needed hole in between with a knife.

The double box has a built-in separation wall that can be removed if needed.

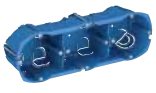
Hides imperfections

The wide and thin collar around the box hides any small mistakes in the hole making. Thanks to its thin construction it will also minimize the gap between the wiring device and the wall.



Multifix Plus
Range

Apparatus boxes

	Type	Colour	Box dim. A/B/C (mm)	Qty per package	Ref. No.
	Apparatus box, single				
	Single-station apparatus box 67x40 mm or 67x50 mm. Material: PS (polystyrene).				
P100889	**67x40 mm**	Blue	71/39/71	50	ALB71320
P104021	**67x40 mm including hole saw Ø67 mm**	Blue	71/39/71	50/200 50/300	ALB71998 ALB71996
P101463	**67x50 mm**	Blue	71/49/71	50	ALB71322
	Apparatus box, single, for thin walls				
	Single-station apparatus box 40x40 mm, intended for use in thin walls. Material: PS (polystyrene).				
P104013	**Without cover**	Blue	43/39/43	10	ALB71608
P104011	**With surface cover**	Blue	43/39/43	10	ALB71610
	Apparatus box, single, for 20 and 32A				
	Single-station apparatus box for 20 and 32 A socket outlets. With extra space for cables. Material: PS (polystyrene).				
P104018	**85x40 mm**	Blue	84/40/84	10	ALB71385
P104020	**85x50 mm**	Blue	84/50/84	10	ALB71386
	Apparatus box, double				
	Double-station apparatus box 67x40 mm or 67x50 mm for horizontal mounting at c/c 71 mm. Material: PS (polystyrene).				
P103478	**67x40 mm**	Blue	71/39/142	10	ALB71332
P101479	**67x50 mm**	Blue	71/49/142	10	ALB71335
	Double-station apparatus box 67x40 mm or 67x50 mm for vertical mounting at c/c 57 mm. Material: PS (polystyrene).				
P101476	**67x40 mm**	Blue	128/39/71	10	ALB71333
P101477	**67x50 mm**	Blue	128/49/71	10	ALB71331
	Apparatus box, triple				
	Triple-station apparatus box 67x40 mm or 67x50 mm for horizontal mounting at c/c 71 mm. Material: PS (polystyrene).				
P101481	**67x40 mm**	Blue	71/39/215	10	ALB71334
P101482 	**67x50 mm**	Blue	71/49/215	10	ALB71339

Multifix Plus
Range

Apparatus boxes

Type	Colour	Box dim. A/B/C (mm)	Qty per package	Ref. No.
Apparatus box, triple				
P101480 Triple-station apparatus box 67x40 mm for vertical mounting at c/c 57 mm. Material: PS (polystyrene).				
67x40 mm	Blue	185/39/71	10	ALB71337
Apparatus box, six-station				
P104016 Six-station apparatus box 67x40 mm for 2x3 stations at c/c 57 mm. Suitable for use as a panel box, intended for Altira wiring devices. Material: PS (polystyrene).				
67x40 mm	Blue	155/39/178	6	ALB71338

Wall box kits

Type	Colour	Box dim. A/B/C (mm)	Qty per package	Ref. No.
With flush cover				
P104027 Wall box kit 67x40 mm including flush cover. Material: PS, ABS.				
67x40 mm	Blue	71/39/71	10	ALB71804
With flush cover and lighting plug				
P104025 Wall box kit 67x40 mm including flush cover with IPX4 DCL outlet and blanking plate, and lighting plug with B22 base and DCL plug 2P E, 6A/250 V AC. Material: PS, ABS, PC/ABS.				
67x40 mm	Blue	71/39/71	10	ALB71806
67x40 mm, big-pack	Blue	71/39/71	1 = 500 pcs	ALB71846
With surface cover				
P103983 Wall box kit 67x40 mm including surface cover with IPX4 DCL outlet and blanking plate. Material: PS, ABS, PC/ABS.				
67x40 mm	Blue	71/39/71	10	ALB71911
P103981 Wall box kit 67x40 mm including surface cover with IPX4 DCL outlet and blanking plate, and lighting plug with B22 base and DCL plug 2P E, 6A/250V AC. Material: PS, ABS, PC/ABS.				
67x40 mm	Blue	71/39/71	10	ALB71912

Ceiling boxes / box kits

Type	Colour	Box dim. A/B/C (mm)	Qty per package	Ref. No.
Without cover				
P104008 Ceiling DCL box 67x50 mm with suspension chimney. Material: PS, PA6.6.				
67x50 mm	Blue	71/49/71	10	ALB71904
Kit with flush cover				
P103997 Ceiling DCL box kit 67x50 mm with flush cover and suspension chimney. Material: PS, PA6.6, ABS.				
67x50 mm	Blue	71/49/71	10	ALB71834
Kit with flush cover and lighting plug				
P103991 Ceiling box kit 67x50 mm including flush cover with IPX4 DCL outlet and blanking plate, suspension chimney, hook, and lighting plug with B22 base and DCL plug 2P E, 6A/250 V AC. Material: PS, PA6.6, ABS, PC/ABS, steel.				
67x50 mm	Blue	71/49/71	10	ALB71836

Multifix Plus
Range

Ceiling box kits

	Type	Colour	Box dim. A/B/C (mm)	Qty per package	Ref. No.
	Kit with surface cover				
P104007	Ceiling box kit 67x50 mm including surface cover with IPX4 DCL outlet and blanking plate, suspension chimney and hook. Material: PS, PA6.6, ABS, PC/ABS, steel.				
	67x50 mm	Blue	71/49/71	10	ALB71837
	Kit with surface cover and lighting plug				
P104005	Ceiling box kit 67x50 mm including surface cover with IPX4 DCL outlet and blanking plate, suspension chimney, hook, and lighting plug with B22 base and DCL plug 2P E, 6A/250 V AC. Material: PS, PA6.6, ABS, PC/ABS, steel.				
	67x50 mm	Blue	71/49/71	10	ALB71835
	67x50 mm, big-pack	Blue	71/49/71	1 = 500 pcs	ALB71855
	Kit with surface cover, former type				
P103998	Ceiling box 67x50 mm including snap-in surface cover (former type), suspension chimney and hook. Material: PS, PA6.6, ABS, steel.				
	67x50 mm	Blue	71/49/71	10	ALB71515

Multifix Plus
Range

Accessories

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Blanking plate				
P103988	Blanking plate for DCL outlet. Material: PC/ABS.				
	Blanking plate	White	37/11/17	25	ALB71892
	Cover for single box, snap-fitted				
P104014	Surface cover for snap-fitting in single-station 40 mm box. Material: ABS.				
	For 40 mm box	White	51/15/51	10	ALB71614
	Cover for single box, screw-fitted				
P104047	Surface cover for screw-fixing in single-station box. Material: ABS (round cover), PS (square cover).				
	For 67 mm box	White	67/6.5/67	10	ALB71819
P103993	**For 85 mm box**	White	100/4/100	10	ALB71820
	Cover with outlet, for wall box				
P104028	Flush cover with IPX4 DCL outlet and blanking plate. For wall box. Material: ABS, PC/ABS.				
	Flush, with outlet	White	64/25/64	10	ALB71910
	Cover with outlet, for wall/ceiling box				
P103985	Surface cover with IPX4 DCL outlet and blanking plate, push-in termination, and two screws. For wall and ceiling box. Material: ABS, PC/ABS.				
	Surface, with outlet	White	25/80/80	25	ALB71817
	Cover with outlet, for ceiling box				
P104003	Surface cover with IPX4 DCL outlet and blanking plate, push-in termination, and hook. For ceiling box. Material: ABS, PC/ABS, steel.				
	Surface, with outlet and hook	White	25/80/80	10	ALB71880
P104001	Surface cover with IPX4 DCL outlet and blanking plate, push-in termination, suspension chimney and hook. For ceiling box. Material: PA6.6, ABS, PC/ABS, steel.				
	Surface, with outlet, hook and suspension chimney	White	44/80/80	25	ALB71815
P103995	Flush cover with IPX4 DCL outlet and blanking plate, and hook. For ceiling box. Material: ABS, PC/ABS, steel.				
	Flush, with outlet and hook	White	96/25/64	10	ALB71905
	Cover, ceiling, former type				
P104000	Surface cover (former type) with hook and suspension chimney, for ceiling box. Material: PA6.6, ABS, steel.				
	Surface, former type	White	46/80/80	10	ALB71518
	DCL lighting plug				
P103987	Lighting plug with B22 base including DCL plug 2P E, screw terminal, 6A/250 V AC. Material: PC/ABS.				
	Lighting plug	White	97/30/45	20	ALB68010
	DCL outlet				
P103986	DCL IPX4 outlet with blanking plate, push-in termination, for mounting in covers for boxes, flush or surface. Material: PC/ABS.				
	Outlet	White	36/39/25	25	ALB71800

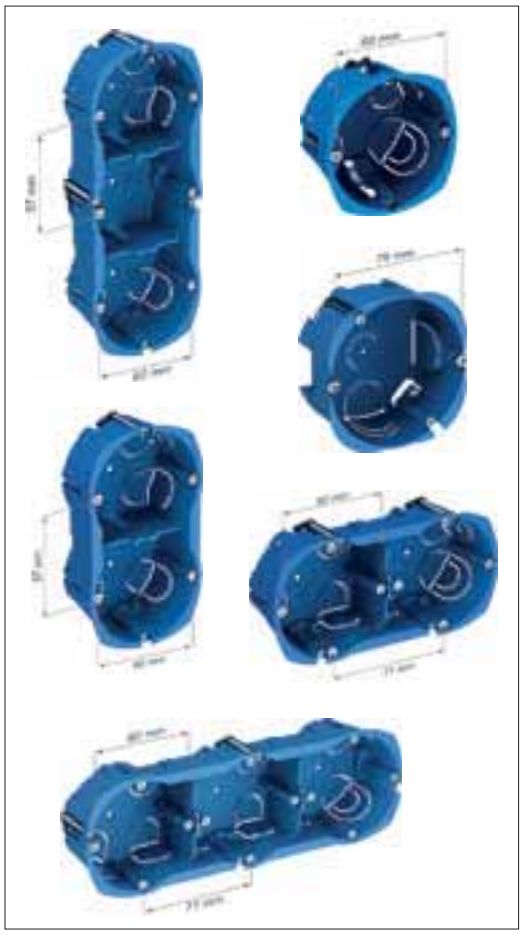
Multifix Plus
Range

Accessories

		Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
		DCL plug				
P103990		DCL plug 2P E, 6A/250 V AC. Material: PC/ABS.				
		Plug	White	36/17/30.5	20	ALB68005
		Gripple system				
P103996		Gripple suspension kit including Sevenhook for ceiling boxes. Material: Steel.				
		Suspension kit	—	68/14/1120	10	ALB71895
		Hole saw				
		Hole saw for board materials, various drill diameters. Material: Steel, painted.				
P104023		**Drill diameter 67 mm**	Red	100/67/67	1	ALB69895
P105786		**Drill diameter 40 mm**	Red	101/40/40	1	ALB69896
P105787		**Drill diameter 85 mm**	Black	101/85/85	1	ALB69885
P105785		**Adjustable drill diameter 29 to 65 mm**	Black	88/74/74	1	ALB69893
		Hook				
P103989		Hook for ceiling boxes. Material: Steel.				
		Hook	—	67/19/7	25	ALB71893
		Lubricant				
P105784		Lubricant in a plastic bottle with spout. For pulling cables.				
		Lubricant	—	265/83/83	1	ALB70900
		Mounting screw				
P105925		Mounting screw with 5.6 mm screw head, suitable for mounting of Merten wiring devices. Material: Steel, zinc coated.				
		Screw, 100 pcs	—	3/32	1 = 100 pcs	ALB71396

Multifix Plus
Technical description

Dimensions, c/c

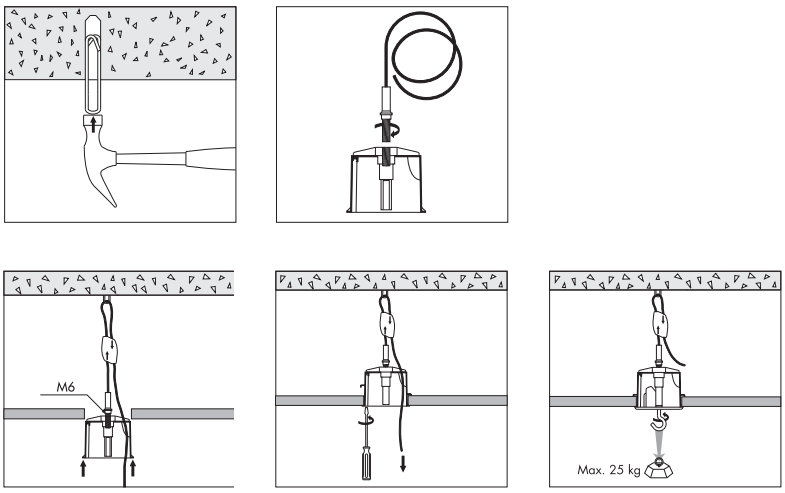


Technical and Material data

Material, box	PS (polystyrene)
Density	1.04 g/cm^3
Material, accessories	PC/ABS
Density	1.15 g/cm^3
Colour specifications	• Blue RAL 5015
	• White RAL 9010
Degree of protection	IP20
Temperature range	Operating temperature from -5°C to +60°C
Standards	IEC 60670-1 Boxes and enclosures for electrical accessories
	IEC 61995-1 Devices for the connection of luminaires

Mounting of ceiling box

Mounting principles of ceiling DCL box with suspension chimney and gripple suspension kit.



Multifix Air

Airtight installation boxes

The Multifix Air range consists of airtight installation boxes for flush mounting in hollow walls. It includes two single boxes and one double box, which are designed to meet the highest demands for energy saving.

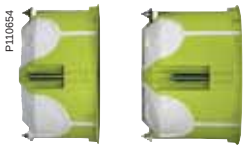
Wide but thin collars hide eventual imperfections. The double box has a slightly narrowed center part, decreasing the need for larger hole making. You will also find that a number of Multifix Plus accessories are compatible with the Multifix Air range.

Furthermore, the Multifix Air boxes are resistant to changing temperatures and can be used in most environments. Metal parts are zinc-plated to minimize the risk of corrosion.

The ingenious use of elastic membranes with an integrated knock-out is among the clever inventions that prevent air leakage. The membrane fits tightly around the conduit or cable, yet allows a high degree of flexibility, which makes the installation robust and enduring. All knock-outs are pre-marked and easily opened with just the conduit or cable.

Speed

At Schneider Electric we always think about saving your time. Each one of the Multifix Air components is therefore designed to speed up your work. The elastic sealing membranes, special tools and triple-threaded screws are some good examples of how this thought shapes our products.



Two depths

Choose the 40 mm box for ordinary devices. The 50 mm box can be used to make bypass connections behind the device or to install deeper devices.

Single or double

You will surely find a box to match your needs in the Multifix Air range.

Accessories

The smart hole saw, the box covers, DCL plugs and outlets, are some of the Multifix Plus accessories which are also perfectly compatible with the Multifix Air range.

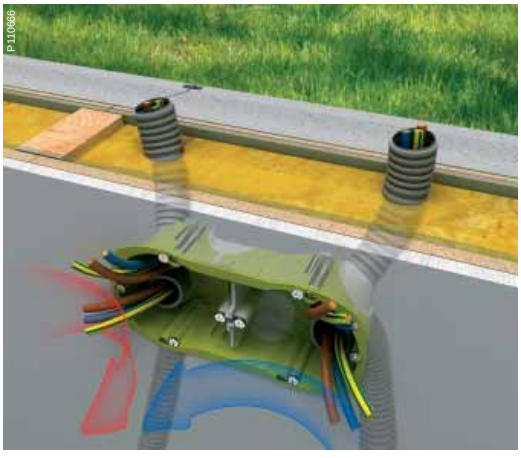
The art of hole-making

The finish reveals the craftsmanship. Or the fact that you have discovered our special hole saw; a great tool which drills exact and sharp holes designed for the Multifix Air range.

Tests with 50 boxes in an air pressure of 50 Pascal show a total leakage of 118.0 m^3/h for standard boxes, as compared to 5.7 m^3/h for Multifix Air.
Thus, Multifix Air reduces the air leakage by 95% as compared to standard installation boxes.

Multifix Air reduces air leakage with 95%

Multifix Air is really an energy efficient solution. The boxes reduce the air leakage by 95% compared to standard installation boxes! This means that conditioned or heated air will stay indoors instead of leaking out, giving considerably reduced costs for the house owner.



Don’t be fooled by the lean and minimalistic design – these installation boxes are all jam-packed with innovations and ingenuity! Even if they may just look like pieces of plastic, every detail has its specific purpose aimed to make your job faster, easier and more professional. Look closer at these boxes to discover all the smart details.

Easy mounting/dismounting

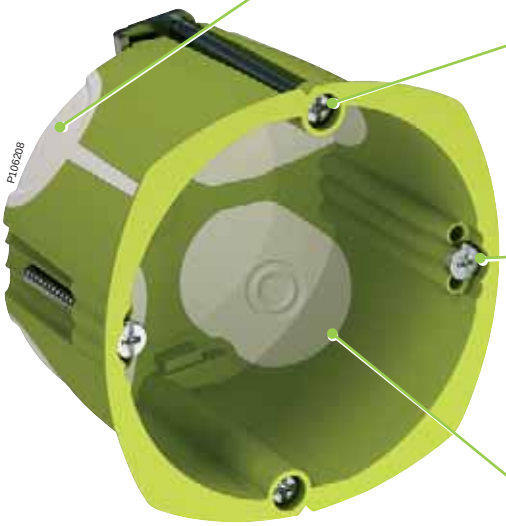
The smart swivel construction together with the non-loosable screws also provide reversability. If you have to correct the installation, you can easily remove the box without damaging the wall, and re-use it again. No loss of fixing parts.

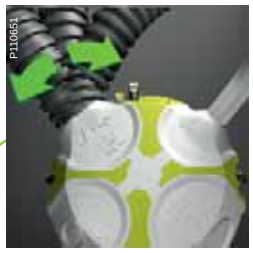
Meets the EN standard

The whole range meets the standard EN 60670-1.

It’s sturdy and flame-proof

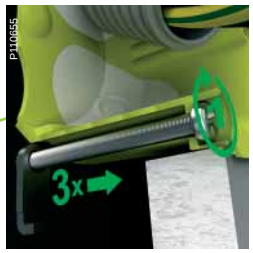
The box is made of polypropylene. It’s rigid, reliable and will not crack. Tests have shown it will keep its shape and full function up to 60° and down to –5°C. The Multifix Air boxes are all flame-proof. This means that they have “survived” the 850°C glow wire test.





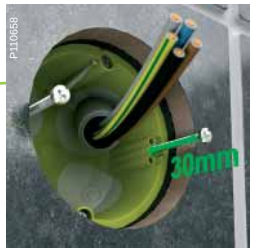
Flexible but firmly fixed

Thanks to the airtight elastic membranes, each installed conduit or cable is safely fixed in its place, and yet flexible enough to adjust to the wanted position.



Fast and clever screws

The screws are “high-speed”, i.e. triple-threaded. This will make the assembly 3 times faster. Each screw has a built-in stop end to prevent the loss of claws, which makes the box re-usable. Since the claw is made of metal you can use a power tool.

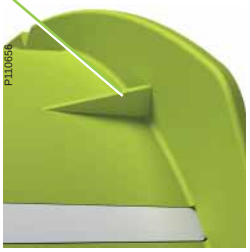


All kinds of walls, wiring devices and frames

The long screws make the boxes suitable for any type of wall, regardless of its thickness. The 60 mm fixing centers fit most wiring devices and handle both horizontal and vertical mounting frames. Three alternative fixing holes for the wiring device ensures a perfect result.

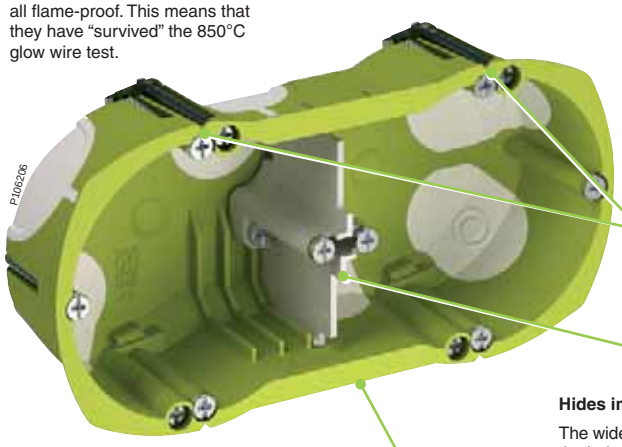
Knock-outs

The membranes have knock-outs suitable for a conduit diameter of 16–20 mm or 20–25 mm. No tools are needed, just push the conduit through the membrane. Cables with a minimum diameter of 9 mm can also be used, but only in the 16–20 mm knock-outs.



Anti-rotation system

The single boxes have four wings that ensure a perfect grip in all walls and prevents unwanted rotation of the box.



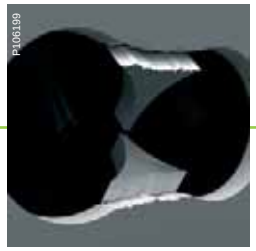
Double box

The V-shaped marking notches in the collar show you where to drill. Once the two holes are drilled you can easily cut away the material in between with a knife. The slim waistline will ease your work even more.

The double box has a built-in separation wall that can be removed if needed.

Hides imperfections

The wide and thin collar around the box hides any small mistakes in the hole-making. Thanks to its thin construction it will also minimize the gap between the wiring device and the wall.



Multifix Air
Range

Airtight boxes

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Airtight apparatus box, single				
	Single-station apparatus box, 67x40 or 67x50 mm, for mounting at c/c 71 mm. Airtight. Mainly intended for use in hollow outer walls. Material: PP/TPE.				
P106207	67x40 mm	Green	71/39/71	50	IMT35001
P106208	67x50 mm	Green	71/49/71	40	IMT35002
	Airtight apparatus box, double				
P106206	Double-station apparatus box 67x40 for mounting at c/c 71 mm. Airtight. Mainly intended for use in hollow outer walls. Material: PP/TPE.				
	67x40	Green	71/39/142	20	IMT35000

Accessories compatible with Multifix Air

	Blanking plate				
P103988	Blanking plate for DCL outlet. Material: PC/ABS.				
	Blanking plate	White	37/11/17	25	ALB71892
	Cover for single box				
P104047	Cover including screws for single-station box. Material: PS.				
	For 67 mm box	White	67/6.5/67	10	ALB71819
	Cover with outlet, for wall/ceiling box				
P103985	Surface cover with IPX4 DCL outlet and blanking plate, push-in termination, and two screws. For wall and ceiling box. Material: PC/ABS.				
	Surface, with outlet	White	25/80/80	25	ALB71817
	DCL lighting plug				
P103987	Lighting plug with B22 base including DCL plug 2P E, screw terminal, 6A/250 V AC. Material: PC/ABS.				
	Lighting plug	White	97/30/45	20	ALB68010
	DCL outlet				
P103986	DCL IPX4 outlet with and blanking plate, push-in termination, for mounting in covers for boxes, flush or surface. Material: PC/ABS.				
	Outlet	White	36/39/25	25	ALB71800
	DCL plug				
P103990	DCL plug 2P E, 6A/250 V AC. Material: PC/ABS.				
	Plug	White	36/17/30.5	20	ALB68005
	Hole saw				
P104023	Hole saw for board materials, drill diameter 67 mm. Material: Steel, painted.				
	Hole saw	Red	100/67/67	1	ALB69895
	Lubricant				
P105784	Lubricant in a plastic bottle with spout. For pulling cables.				
	Lubricant	—	265/83/83	1	ALB70900
	Mounting screw				
P105925	Mounting screw with 5.6 mm screw head, suitable for mounting of Merten wiring devices. Material: Steel, zinc coated.				
	Screw	—	3/32	1 = 100 pcs	ALB71396

Multifix Air
Technical description

Technical and Material data

Material (box)	PP (polypropylene)
Density	0.9 g/cm^3
Colour specification	Green NCS S 2070-G80Y
Material (membrane)	TPE
Density	1.2 g/cm^3
Colour specification	Grey RAL 7035
Material (accessories)	PC/ABS
Density	1.15 g/cm^3
Colour specification	White RAL 9010
Degree of protection	IP20
Temperature range	Operating temperature from -5°C to +60°C
Standards	EN 60670-1

Modulo
Range

Flush mounted

Masonry wall mounting boxes

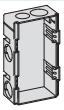
P111157

ALB71305

1 gang

type	dimensions (mm)	Ref. No.
Modulo	depth 30 mm	ALB71305
	depth 40 mm	ALB71301
	depth 50 mm	ALB71302

2 inserts side by side (vertical or horizontal)



type	dimensions (mm)	Ref. No.
	depth 40 mm	ALB71303

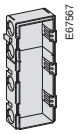
P111155

ALB71303

2 gang horizontal

type	dimensions (mm)	Ref. No.
Modulo	depth 30 mm	2x ALB71305
	depth 40 mm	2x ALB71301
	depth 50 mm	2x ALB71302

3 inserts side by side

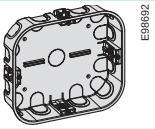


type	dimensions (mm)	Ref. No.
Modulo	depth 40 mm	ALB71303
		+ ALB71301

P111156

ALB71303 + ALB71301

2 x 3 inserts side by side horizontal with flange



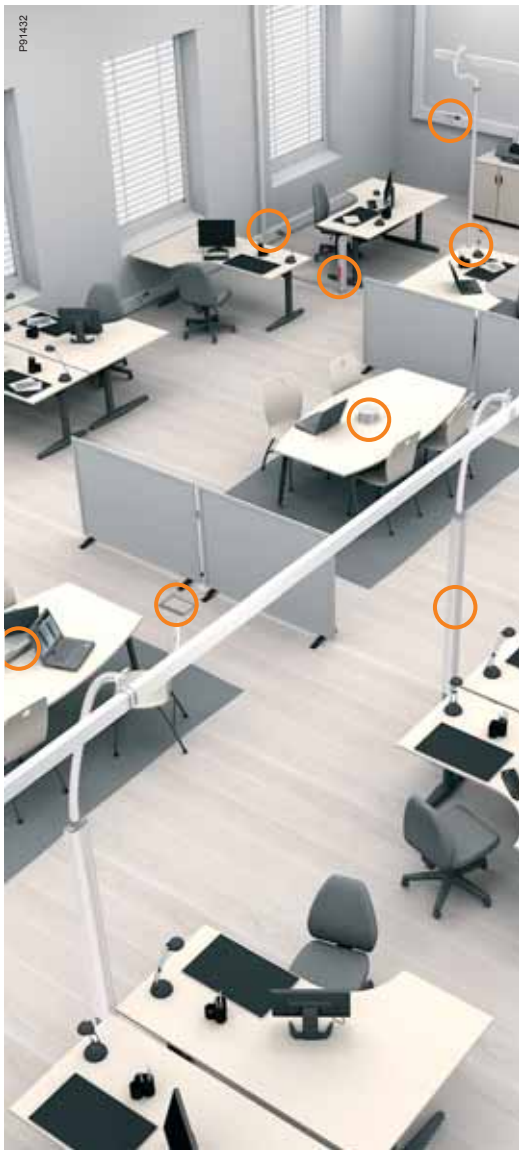
type	dimensions (mm)	Ref. No.
Multifix Plus	depth 40 mm	ALB71338

Multifix, Modulo
Reference number overview

Ref.No
ALB68005.....68
ALB68005.....72
ALB68010.....67
ALB68010.....72
ALB69885.....68
ALB69893.....68
ALB69895.....68
ALB69895.....72
ALB69896.....68
ALB70900.....68
ALB70900.....72
ALB71301.....74
ALB71301.....74
ALB71301.....74
ALB71302.....74
ALB71302.....74
ALB71303.....74
ALB71303.....74
ALB71305.....74
ALB71305.....74
ALB71320.....64
ALB71322.....64
ALB71331.....64
ALB71332.....64
ALB71333.....64
ALB71334.....64
ALB71335.....64
ALB71337.....65
ALB71338.....65
ALB71338.....74
ALB71339.....64
ALB71385.....64
ALB71386.....64
ALB71396.....68
ALB71396.....72
ALB71515.....66
ALB71518.....67
ALB71608.....64
ALB71610.....64
ALB71614.....67
ALB71800.....67
ALB71800.....72
ALB71804.....65
ALB71806.....65
ALB71815.....67
ALB71817.....67
ALB71817.....72
ALB71819.....67
ALB71819.....72
ALB71820.....67
ALB71834.....65
ALB71835.....66
ALB71836.....65
ALB71837.....66
ALB71846.....65
ALB71855.....66
ALB71880.....67
ALB71892.....67
ALB71892.....72
ALB71893.....68
ALB71895.....68
ALB71904.....65
ALB71905.....67
ALB71910.....67
ALB71911.....65
ALB71912.....65
ALB71996.....64
ALB71998.....64
IMT35000 72
IMT35001 72
IMT35002 72

OptiLine 45

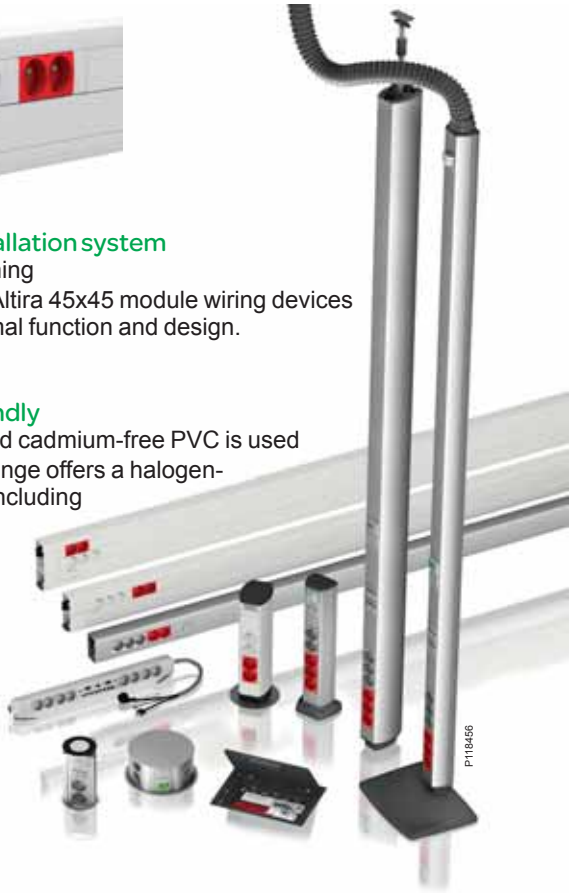
The 45 direct Click-in installation system



Electrical, telephone and data installations must be easy to install, safe to use and flexible enough to ensure that changes are easy to make. The design of the visible parts must also set the right tone in the office.

OptiLine 45 direct clic-in installation system provide integrated installation solutions for ceilings, walls, floors and desks.

Together with Altira wiring devices, solutions are created that fulfil the most stringent demands for function, design, convenience and safety.



Direct click-in installation system

- 45 mm front opening
- Direct click-in of Altira 45x45 module wiring devices which gives optimal function and design.

Environment-friendly

- Only lead-free and cadmium-free PVC is used
- The aluminium range offers a halogen-free alternative, including accessories.

Altira 45x45 module wiring devices

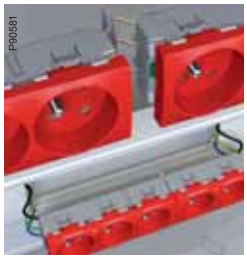
Altira is a wiring device series suitable for direct click-in in OptiLine 45 trunking, poles, posts, floor boxes and service boxes.

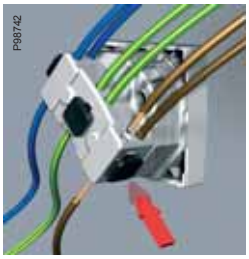
Range

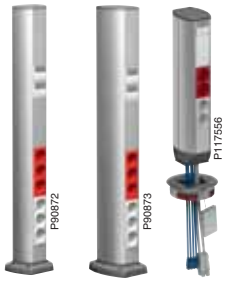
Altira offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats and timers.

Main benefits

- Optional mounting direction for correct user interface in both trunking, poles and posts
- Connection piece for simple interconnection of double and triple outlets without space between
- 45° terminals. Easy to connect even though the outlets are close together
- Dual input and output terminals. For easy loop-through of additional connections such as earthing of trunking.







Trunking

A cost-effective installation with high capacity.

The range

Available in PVC or aluminium with one, two or three compartments.

Main benefits:

- Easy installation without the need of instructions. Accessories are mounted directly without adaptation
- 55 mm depth. High cable capacity and space behind the wiring devices
- Pre-punched slots in the partition walls of the PVC trunking. Easy to make holes or openings to feed cables between the compartments
- Trunking base and cover packed together, but not assembled. Easy handling
- Extra-secure click-in function and front locking clip. Gives improved pull-out force.

Poles

The best solution for a truly flexible office, with power, telecom and data services close to the workplaces. Fed from the ceiling, preferably from connection boxes. Free-standing and movable poles give extra freedom. A pole can be moved within a radius of up to 1.5 metres from the connection point in the ceiling.

The range

Available in aluminium, free-standing or tension-mounted. One or two-sided, or with four boxes.

Main benefits:

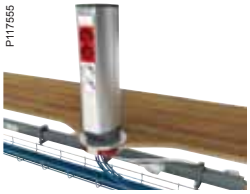
- Design: Aluminium with a high surface finish. Softly rounded and slender form
- Stable, sturdy design. Several parts are cast
- Movable poles have steady feet. The rectangular foot also allows poles to be installed back-to-back or against a wall
- The adjustable ceiling fixing for tension-mounted poles can be fitted easily without tools. Spring-loaded. Total working range of 400 mm
- Cable separation profile gives the correct spacing between VDI and power cables.

Posts

For power, telecom and data installations close to workplaces, on raised access floors, on screeded floor boxes in concrete floors or on in-cavity floors. Can also be used with other floors, in which case they are supplied via a floor feeder or a floor grommet.

The range

Available in aluminium in one and two-sided versions.



Main benefits:

- Design: Aluminium with a high surface finish. Softly rounded and compact form
- Stable, sturdy design. Several parts are cast.
- Accessories for above-floor supply
- Cable separation profile gives the correct spacing between VDI and power cables.

Floor boxes

For power, telecom and data installations close to workplaces, in raised access floors, screeded floors or in-cavity floors. Used, for instance, in environments where it is important to have an installation that is discreet and “invisible” when not used.

The range

Available in three versions with pre-mounted mounting frames. The range also includes floor access boxes and screeded floor boxes.

Main benefits:

- Quick and easy installation
- Both single and double outlets can be mounted in the mounting frames
- Quick-fix fastening for all floors over 10 mm thickness
- The height of the mounting frames is adjustable in 5 mm steps. This gives optimal capacity and makes it easy to install DIN-modules and outlets on different levels
- Complete offer including floor trunking.

Service boxes

Flexible solutions for the supply of power, telecom and data to desks in offices and conference rooms. The boxes can also be used as connection points in the ceiling for feeding of poles.

The range

Five box types, all in natural anodised aluminium:

- A six-sided pop-up box, pre-wired with outlets, a LAN switch, cable and plug
- A mini pop-up, empty
- A turnable and smoothly rounded one-sided box. Pre-wired with outlets, cables and plugs.One version with integrated LAN and AV switches
- A one-sided box, pre-wired with outlets, cables and plugs, pre-defined with outlets, or empty. Terminal or with Wieland interface.
- A flip-up box for flush mounting in desks, empty.

Main benefits:

- The range covers many applications
- Many mounting options including concealed installation
- All products in aluminium and metal – high finish and impact resistant
- Ceiling cable feeder – flexible solution also for movable desks.

OptiLine 45 Trunking
Presentation

Installation trunking with 45 mm front opening for direct click-in of Altira wiring devices

OptiLine 45 trunking are available in lead- and cadmium-free PVC or aluminium with a 45 mm front opening. All trunking are 55 mm deep, which gives a high cable capacity and space for cables behind the wiring devices.

One of the main advantages is the easy installation. The design is symmetrical and all accessories are click-in mounted without any need of adaptations. It is also very easy to create cross sectional feeding of the cables in the PVC trunking thanks to the pre-punched slots in the partition walls.

Dedicated installation fixings and an extra-secure click-in function for the front and Altira wiring devices give a very reliable installation.

Also the handling is easy. The trunking base and cover are packed together, but not assembled.

PVC Trunking

75x55
With one compartment

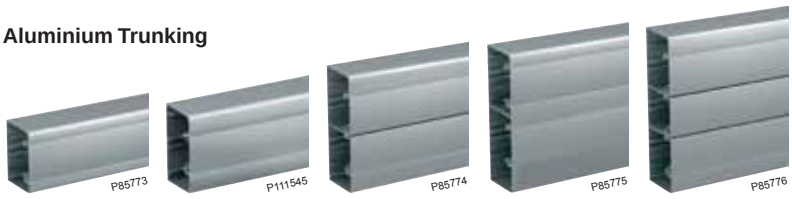
95x55
With one compartment

140x55
With two compartments

165x55
With two compartments, especially intended for VDI installations

185x55
With three compartments

Aluminium Trunking



75x55
With one compartment

95x55
With one compartment

140x55
With one compartment

165x55
With two compartments

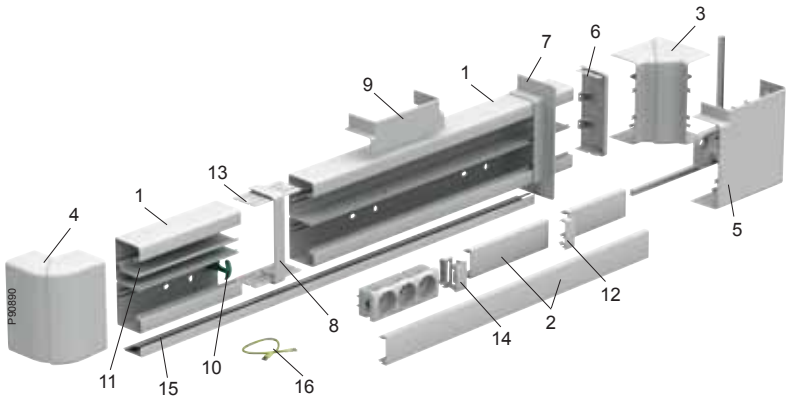
185x55
With two compartments

Altira 45x45 module wiring devices

The OptiLine 45 range has a front opening for direct click-in of Altira 45x45 module wiring devices which gives optimal function and design.

Altira offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats, timers.

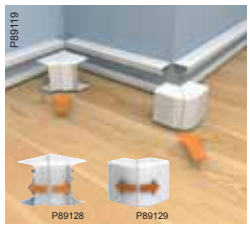
The complete trunking system



1. Trunking base
2. Front cover
3. Internal corner
4. External corner
5. Bend 90°
6. Stop end
7. Wall/ceiling frame
8. Joint cover piece
9. T-piece
10. Cable retainer
11. Cable shelf
12. Joint cover piece for front cover
13. Jointing piece
14. Front locking clip
15. Sealing strip
16. Earthing kit (Aluminium trunking)

OptiLine 45 Trunking
Presentation

Click-in accessories
All accessories are designed for easy click-in mounting without tools.
- Easy installation without instructions
- Mounted directly without adaptations
- Mounted when trunking is in place.



Adjustable corners
The adjustable corners are delivered in one piece.
- Easy and quick to mount
- No adaptations needed.

Pre-punched slots for easy hole making
Pre-punched slots in the PVC partition walls.
- Easy hole making by hand or with a screwdriver
- Allows cross-sectional feeding of cables.

Easy feeding without threading
The pre-punched slots can be cut up with a cutting shears.
- The cables can be laid in without threading
- Very easy to feed cables between the compartments
- Cables and outlets can be separated.

Efficient mounting support
Both PVC and aluminium trunking profiles are prepared for fast, exact and reliable installation.
- Pre-punched oval holes every 25 cm
- Easy to make X and Y adjustments.

Professional tools and fixings
Dedicated tools and fixings for fast and safe installation.
- Extra long drills and bits to avoid damaging the front when using a drilling machine
- Fixings suitable for any material
- Screws for PVC trunking
- Screws to be used together with single-insulated wires.

Perfect joints
Two jointing pieces for exact levelling and a click-in joint cover piece to hide the gap
- Perfect joints
- No tools needed
- Joint cover piece in one piece
- The jointing pieces can also be used for joints without joint cover piece.

The cable retainer – a helping hand
The cable retainer keeps all the cables in place in the trunking during the installation.
- Faster installation
- One man can do the work
- Green colour for quick identification
- Can remain in place also after the installation.

Secure front cover
Auto-guided and extra secure click-in for the front. High-quality material.
- Easy to mount also when kneeling
- Works reliably even at low temperatures
- Can not be opened without a tool
- IP40 classified.

Pull-out safe outlets
Extra secure click-in function combined with a front locking clip.
- High pull-out loads on the wiring devices
- Design aligned with Altira.

Protective foil
Protective foil on both sides of the trunking base and on the front cover. The main product references including pictures are printed on the foil.
- No surface damages during the installation
- Easy to order new parts.

Dust protection
A sealing strip can be fitted between the trunking and the floor.
- 5-15 mm coverage
- Easy cleaning
- Solid impression.

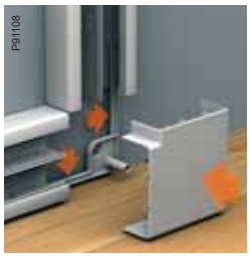
Smart package
The trunking base and front covers are packed together, but not assembled.
- Easy handling
- No damages. The covers are protected until final installation.

OptiLine 45 Trunking
Presentation

Three-compartment trunking
The three-compartment trunking allows a dedicated space for the wiring devices.
- Maximum distance between VDI and power cables
- High capacity
- Easy installation.

Symmetrical design
The trunking base is symmetrical and has a softly rounded form.
- Easy and safe mounting
- No risk of installing the trunking upside-down
- The trunking form guides the accessories in place.

55 mm depth
All trunking are 55 mm deep.
- High cable capacity
- Space enough for 3x2.5 mm^2 cables behind the wiring devices.



Perfect bends
The bend kit includes an adjustable fixing device to be screw-fitted to the wall.
- Large tolerances when cutting and fixing the trunking
- Self-guiding mounting of the bend piece
- Perfect result and finish.

High classification
The trunking is IP40 and IK07 classified.
- Safe and impact resistant
- Can not be opened without a tool.

The PVC trunking is fire classified in category M1.

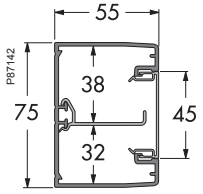
One-compartment trunking
Suitable for both installation and distribution. A cable shelf separates VDI cables from power cables.

Dedicated VDI trunking
A non-symmetrical two-compartment trunking especially intended for VDI installations.
- Extra space for VDI cables in the larger lower compartment
- Long distance between VDI and power cables.

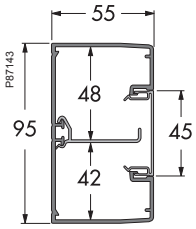
Easy earthing of aluminium trunking
The aluminium trunking base and front cover has easily accessible earthing rails. A pre-mounted earthing kit is available on one reference number.
- Easy to order
- Quick and easy to mount
- Screwless mounting.

OptiLine 45 Trunking
Dimensions

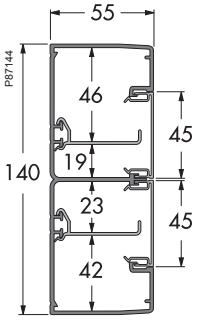
PVC



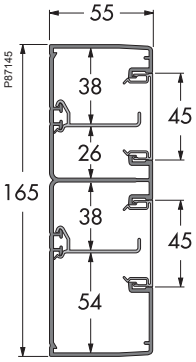
75x55



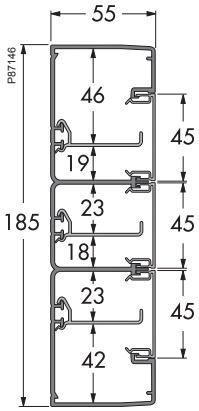
95x55



140x55

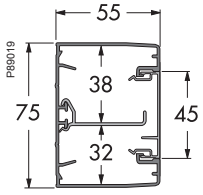


165x55

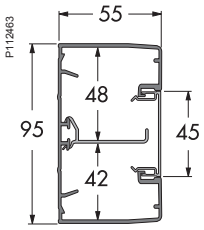


185x55

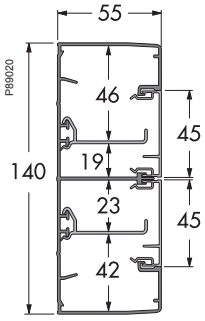
Aluminium Trunking



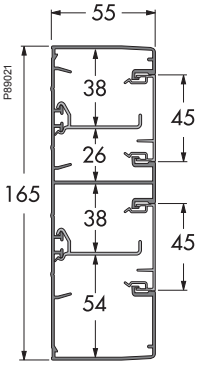
75×55



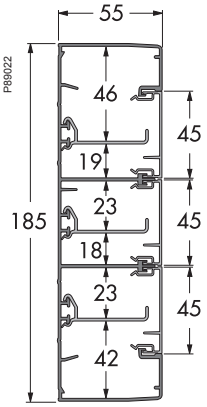
95×55



140×55



165×55



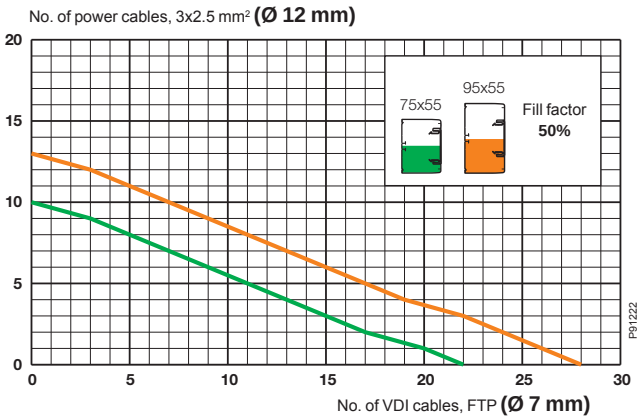
185×55

OptiLine 45 Trunking
Cable capacity

75x55 and 95x55 without outlets

If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

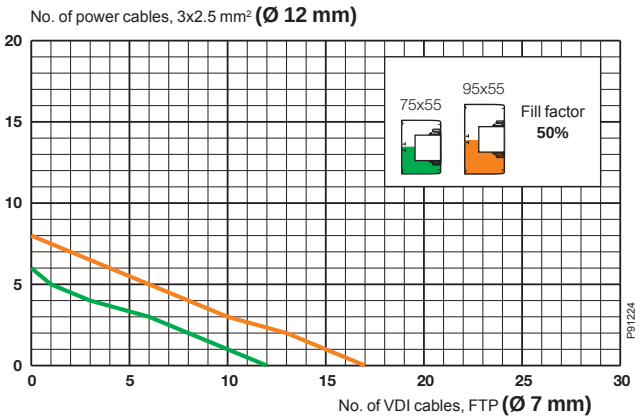
Compartment	Fill factor 100% Inner area	Fill factor 50% Inner area
	3508 mm²	1754 mm²
	4505 mm²	2253 mm²



75x55 and 95x55 with Altira outlets

If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

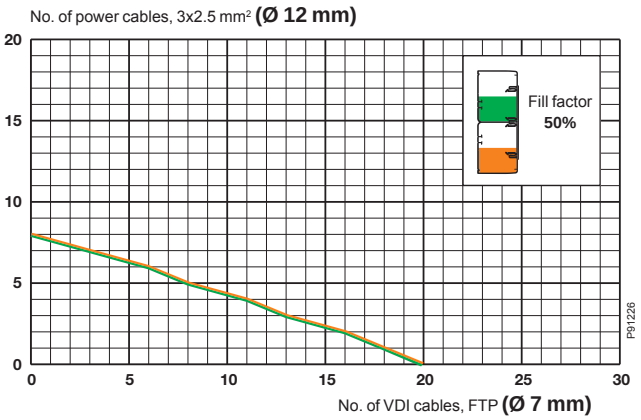
Compartment	Fill factor 100% Inner area	Fill factor 50% Inner area
	2385 mm²	1193 mm²
	3382 mm²	1691 mm²



140x55 without outlets

If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

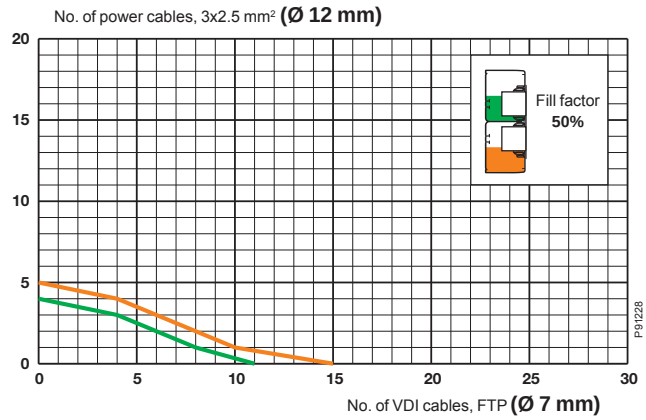
Compartment	Fill factor 100% Inner area	Fill factor 50% Inner area
	3303 mm²	1652 mm²
	3303 mm²	1652 mm²



140x55 with Altira outlets

If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

Compartment	Fill factor 100% Inner area	Fill factor 50% Inner area
	2180 mm²	1090 mm²
	2180 mm²	1090 mm²



A more detailed calculation can be made in the OptiLine system specification tool.

OptiLine 45 Trunking
Cable capacity

P91205

165x55 (VDI) without outlets
If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

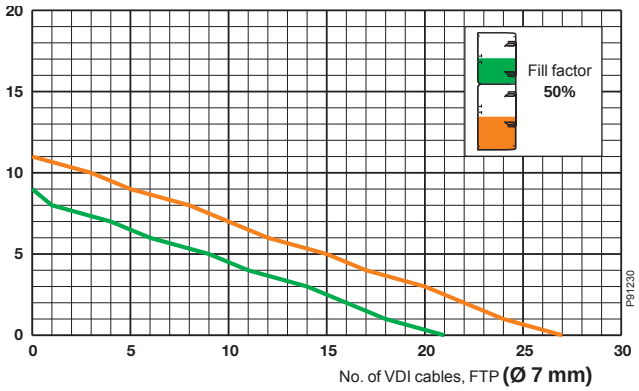
Com-partment	Fill factor 100% Inner area	50% Inner area
	3374 mm²	1687 mm²
	4358 mm²	2179 mm²

P91134

165x55 (VDI) with Altira outlets
If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

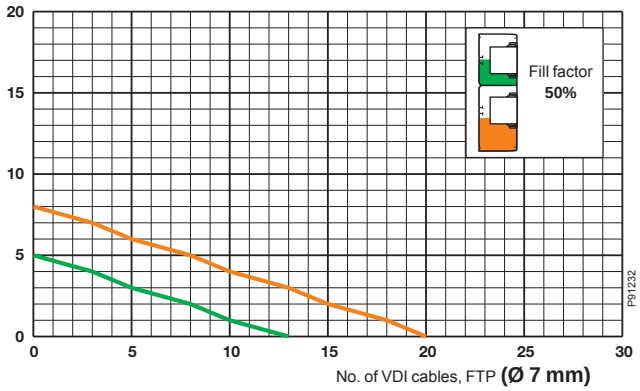
Com-partment	Fill factor 100% Inner area	50% Inner area
	2251 mm²	1126 mm²
	3235 mm²	1618 mm²

No. of power cables, 3x2.5 mm² **(Ø 12 mm)**



Compartment 1
Compartment 2

No. of power cables, 3x2.5 mm² **(Ø 12 mm)**



Compartment 1
Compartment 2

P91132

185x55 without outlets
If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

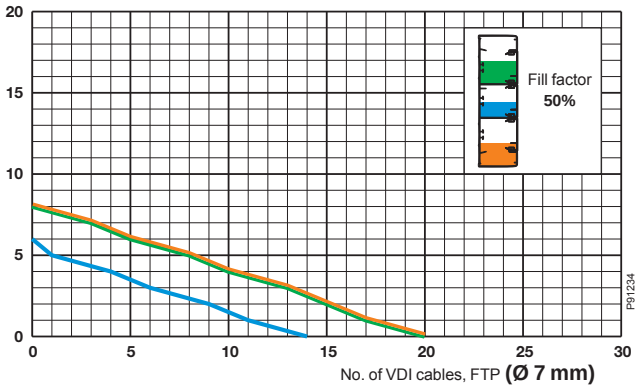
Com-partment	Fill factor 100% Inner area	50% Inner area
	3218 mm²	1609 mm²
	2187 mm²	1094 mm²
	3218 mm²	1609 mm²

P91133

185x55 with Altira outlets
If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

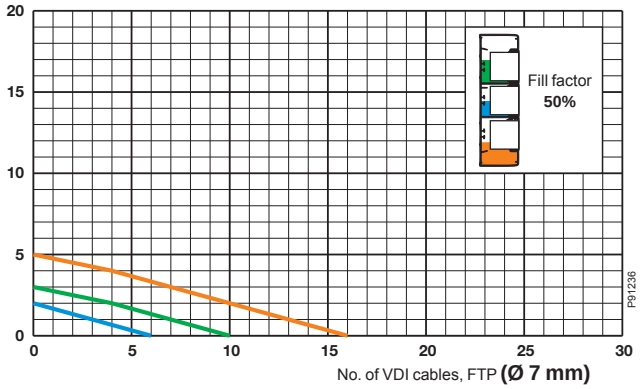
Com-partment	Fill factor 100% Inner area	50% Inner area
	2095 mm²	1048 mm²
	1064 mm²	532 mm²
	2095 mm²	1048 mm²

No. of power cables, 3x2.5 mm² **(Ø 12 mm)**



Compartment 1
Compartment 2
Compartment 3

No. of power cables, 3x2.5 mm² **(Ø 12 mm)**

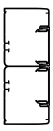
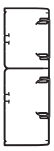
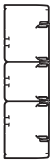


Compartment 1
Compartment 2
Compartment 3

A more detailed calculation can be made in the OptiLine system specification tool.

OptiLine 45 Trunking
Choice guide

Trunking and accessories

	Trunking incl. separate front cover		Internal corner		External corner		Bend 90°		Stop end		Wall/ceiling frame	
Trunking size	**Ref. No.**	**Qty per pack**	**Ref. No**	**Qty per pack**	**Ref. No.**	**Qty per pack**	**Ref. No.**	**Qty per pack**	**Ref. No.**	**Qty per pack**	**Ref. No.**	**Qty per pack**
PVC												
75x55 P85759	ISM10100 ISM10110	24 m	ISM10101	1	ISM10102	1	ISM10103	1	ISM10104	2	ISM10105	1
95x55 P85760	ISM10200	12 m	ISM10201	1	ISM10202	1	ISM10203	1	ISM10204	2	ISM10205	1
140x55  P89076	ISM10300 ISM10310	12 m	ISM10301	1	ISM10302	1	ISM10303	1	ISM10304	2	ISM10305	1
165x55  P85762	ISM10400	12 m	ISM10401	1	ISM10402	1	ISM10403	1	ISM10404	2	ISM10405	1
185x55  P85763	ISM10500	8 m	ISM10501	1	ISM10502	1	ISM10503	1	ISM10504	2	ISM10505	1
Aluminium												
75x55 P85764	ISM10150	12 m	ISM10151	1	ISM10152	1	ISM10153	1	ISM10154	2	ISM10155	1
95x55 P92721	ISM10250	12	ISM10251	1	ISM10252	1	ISM10253	1	ISM11254	2	ISM10255	1
140x55 P85765	ISM10350	6 m	ISM10351	1	ISM10352	1	ISM10353	1	ISM10354	2	ISM10355	1
165x55 P85766	ISM10450	6 m	ISM10451	1	ISM10452	1	ISM10453	1	ISM10454	2	ISM10455	1
185x55 P85767	ISM10550	6 m	ISM10551	1	ISM10552	1	ISM10553	1	ISM10554	2	ISM10555	1

	Joint cover piece, kit incl. jointing pieces		T-piece single compartment feeder		T-piece double compartment feeder		Front cover PVC		Front cover Alu		Joint cover piece for front		Jointing piece, internal	
	Ref. No.	**Qty per pack**	**Ref. No**	**Qty per pack**	**Ref. No.**	**Qty per pack**	**Ref. No.**	**Qty per pack**	**Ref. No.**	**Qty per pack**	**Ref. No.**	**Qty per pack**	**Ref. No.**	**Qty per pack**
	ISM10106	1	ISM10107	1	–	–	ISM10900	24 m	ISM10950	24 m	ISM10903	5	ISM10904	10
	ISM10206	1	ISM10207 ISM10208	1	–	1	ISM10900	24 m	ISM10950	24 m	ISM10903	5	ISM10904	10
	ISM10306	1	ISM10207 ISM10208 ISM10308	1	ISM10308	1	ISM10900	24 m	ISM10950	24 m	ISM10903	5	ISM10904	10
	ISM10406	1	ISM10207 ISM10208 ISM10308	1	ISM10308	1	ISM10900	24 m	ISM10950	24 m	ISM10903	5	ISM10904	10
	ISM10506	1	ISM10207 ISM10258 ISM10308	1	ISM10308	1	ISM10900	24 m	ISM10950	24 m	ISM10903	5	ISM10904	10
	ISM10156	1	ISM10157	1	–	–	–	–	ISM10950	24 m	ISM10951	5	ISM10904	10
	ISM10256	1	ISM10357 ISM10258	1	–	–	–	–	ISM10950	24 m	ISM10951	5	ISM10904	10
	ISM10356	1	ISM10357 ISM10258 ISM10358	1	ISM10358	1	–	–	ISM10950	24 m	ISM10951	5	ISM10904	10
	ISM10456	1	ISM10357 ISM10258 ISM10358	1	ISM10358	1	–	–	ISM10950	24 m	ISM10951	5	ISM10904	10
	ISM10556	1	ISM10357 ISM10258 ISM10358	1	ISM10358	1	–	–	ISM10950	24 m	ISM10951	5	ISM10904	10

OptiLine 45 Trunking
Range

PVC trunking

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Installation trunking				
	Installation trunking including one-compartment trunking base and front cover. The trunking base has pre-punched mounting holes every 25th cm and can be provided with cable shelves. 45 mm front opening for direct click-in of Altira 45x45 module wiring devices. Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m. Size 75 mm is also available in lengths of 3 m. Material: PVC.				
P85768	With one compartment	White RAL 9010	75/55/2000 75/55/3000	24 m	ISM10100 ISM10110
P85769	With one compartment	White RAL 9010	95/55/2000	12 m	ISM10200
	Installation trunking including two or three-compartment trunking base and front covers. The trunking base has pre-punched mounting holes every 25th cm and can be provided with cable shelves. The integrated partition wall has pre-punched slots every 25th cm to facilitate cable laying. 45 mm front opening for direct click-in of Altira 45x45 module wiring devices. Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m. Size 140 mm is also available in lengths of 3 m. Material: PVC.				
P85770	With two compartments	White RAL 9010	140/55/2000 140/55/3000	12 m	ISM10300 ISM10310
P85771	With two compartments, the lower comp. for VDI appl.	White RAL 9010	165/55/2000	12 m	ISM10400
P85772	With three compartments	White RAL 9010	185/55/2000	8 m	ISM10500

Accessories for PVC trunking

	Internal corner				
	Adjustable internal corner for an 80–100 degree angling of PVC trunking. Material: PC/ABS.				
P89067	For trunking 75x55	White RAL 9010	84/117/117	1	ISM10101
	For trunking 95x55	White RAL 9010	104/117/117	1	ISM10201
	For trunking 140x55	White RAL 9010	149/117/117	1	ISM10301
	For trunking 165x55	White RAL 9010	174/117/117	1	ISM10401
	For trunking 185x55	White RAL 9010	194/117/117	1	ISM10501
	External corner				
	Adjustable external corner for a 75–135 degree angling of PVC trunking. Material: PC/ABS.				
P89068	For trunking 75x55	White RAL 9010	84/105/105	1	ISM10102
	For trunking 95x55	White RAL 9010	104/105/105	1	ISM10202
	For trunking 140x55	White RAL 9010	149/105/105	1	ISM10302
	For trunking 165x55	White RAL 9010	174/105/105	1	ISM10402
	For trunking 185x55	White RAL 9010	194/105/105	1	ISM10502

OptiLine 45 Trunking
Range

Accessories for PVC trunking

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Bend, 90°, kit				
90 degree bend kit for angling upwards and downwards of PVC trunking. Including bend piece and fixing device to be screw-fitted to the wall. Material: PC/ABS.				
For trunking 75x55	White RAL 9010	102/57/102	1	ISM10103
For trunking 95x55	White RAL 9010	122/57/122	1	ISM10203
For trunking 140x55	White RAL 9010	167/57/167	1	ISM10303
For trunking 165x55, only upwards angling	White RAL 9010	192/57/192	1	ISM10403
For trunking 185x55	White RAL 9010	212/57/212	1	ISM10503
Stop end				
Stop end for PVC trunking. Fast fitting with locking clips. Screw-fixing possible for extra security. Package of two. Material: PC/ABS.				
For trunking 75x55	White RAL 9010	79/56/21	2	ISM10104
For trunking 95x55	White RAL 9010	99/56/21	2	ISM10204
For trunking 140x55	White RAL 9010	144/56/21	2	ISM10304
For trunking 165x55	White RAL 9010	169/56/21	2	ISM10404
For trunking 185x55	White RAL 9010	189/56/21	2	ISM10504
Wall/ceiling frame				
Wall/Ceiling frame to be fitted around a PVC trunking at wall or ceiling passage. Easily modified to C or L-profile depending on how the passage is made. Snap-fitted, with a screw-fixing option for high security. Material: PC/ABS.				
For trunking 75x55	White RAL 9010	130/82/22	1	ISM10105
For trunking 95x55	White RAL 9010	150/82/22	1	ISM10205
For trunking 140x55	White RAL 9010	195/82/22	1	ISM10305
For trunking 165x55	White RAL 9010	220/82/22	1	ISM10405
For trunking 185x55	White RAL 9010	240/82/22	1	ISM10505
Joint cover piece, kit				
Joint cover piece, supplied and mounted together with two jointing pieces. Intended to cover joints between two PVC trunking sections. Easy to remove in case of an upgrading of the installation. Material: PC/ABS.				
For trunking 75x55	White RAL 9010	80/57/100	1	ISM10106
For trunking 95x55	White RAL 9010	100/57/100	1	ISM10206
For trunking 140x55	White RAL 9010	145/57/100	1	ISM10306
For trunking 165x55	White RAL 9010	170/57/100	1	ISM10406
For trunking 185x55	White RAL 9010	190/57/100	1	ISM10506
T-piece				
T-piece intended to connect vertical and horizontal PVC trunking of various sizes. Material: PC/ABS.				
For vertical trunking 75x55 and horizontal trunking 75x55	White RAL 9010	42/57/97	1	ISM10107
For vertical trunking 75x55 and horizontal trunking 95x55, 140x55, 165x55 or 185x55	White RAL 9010	52/57/97	1	ISM10207
For vertical trunking 95x55 and horizontal trunking 95x55, 140x55, 165x55 or 185x55	White RAL 9010	52/57/117	1	ISM10208
For vertical trunking 140x55 and horizontal trunking 140x55,165x55 or 185x55	White RAL 9010	52/57/162	1	ISM10308

P85779

P85780

P85781

P85782

P85783

OptiLine 45 Trunking
Range

Accessories for PVC trunking

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Front cover				
	Front cover to be snap-fitted in trunking with a 45 mm front opening. Supplied with protective foil, in lengths of 2 m. Material: PVC or aluminium.				
P85785	Front cover, PVC	White RAL 9010	45/16/2000	24 m	ISM10900
P85786	Front cover, aluminium, with earthing slots	Anodized	45/16/2000	24 m	ISM10950
	Cable retainer				
P85787	Cable retainer to be mounted at the back of the trunking base to keep cables in place during the installation phase. No need to remove the retainer when fitting the front cover. Package of five. Material: PA.				
	Cable retainer	Green	32/42/25	5	ISM10901
	Cable shelf				
P85788	Single cable shelf to be mounted in the trunking base, providing separation between power and low voltage cables. Supplied in lengths of 1 m. Material: PVC.				
	Cable shelf	White RAL 9010	17/47/1000	24 m	ISM10902
	Joint cover piece for front cover				
	Joint cover piece intended to cover joints between two front covers. Package of five. Material: PC/ABS.				
P85789	Joint cover piece for PVC front cover	White RAL 9010	47/20/23	5	ISM10903
P89053	Joint cover piece for aluminium front cover	Alu metallic	47/20/23	5	ISM10951
	Jointing piece				
P85790	Internal jointing piece intended to facilitate jointing of two PVC trunking bases. May also be used to mount the joint cover piece. Package of ten. Material: PC/ABS.				
	Jointing piece	White	4/51/100	10	ISM10904
	Sealing strip				
P85791	Sealing strip to be fitted between trunking and floor for a 10-15 mm coverage. Material: PVC.				
	Sealing strip	White	17/40/2000	24 m	ISM10905
	Front locking clip				
P85792	Front locking clip to be mounted on either side of an outlet in order to secure pull-out forces. Package of ten. Material: PC/ABS.				
	Front locking clip	White RAL 9010	45/23/23	10	ISM10906
	Modular device adaptor				
P85793	2-module adaptor for 1-2 modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC+ASA.				
	Modular device adaptor	White RAL 9010	90/72/45	1	ISM10907
	Cutting shears				
P91380	Cutting shears for PVC material. To be used when for instance cutting slots in the partition walls of PVC trunking (sizes 140 and 185) for easy cable laying between compartments. Also suitable when cutting front covers, cable shelves or other PVC length material, instead of using a saw. Material: Steel.				
	Cutting shears	Orange	230/22/80	1	ISM10908

OptiLine 45 Trunking
Range

Aluminium trunking

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Installation trunking				
	Installation trunking including one, two or three-compartment trunking base and front cover(s). The trunking base has pre-punched mounting holes every 25th cm and can be provided with cable shelves. 45 mm front opening for direct click-in of Altira 45x45 module wiring devices. Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m. Material: Aluminium.				
P85773	With one compartment	Anodized	75/55/2000	12 m	ISM10150
P111545	With one compartment	Anodized	95/55/2000	12 m	ISM10250
P85774	With two compartments	Anodized	140/55/2000	6 m	ISM10350
P85775	With two compartments, the lower comp. for VDI appl.	Anodized	165/55/2000	6 m	ISM10450
P85776	With three compartments	Anodized	185/55/2000	6 m	ISM10550
	Installation trunking, customer adapted				
	Installation trunking according to special customer order. The trunking is available with one, two or three compartments, see above, and can be specified *in optional length and colour*. Implies a detailed specification. Material: Aluminium.				
	Acc. to customer spec.	Optional	—*/55/Optional *Five height measurements, see above	—	ISMSPTR

Accessories for aluminium trunking

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Internal corner				
	Adjustable internal corner for an 80–100 degree angling of aluminium trunking. Material: PC/ABS, painted.				
P85797	For trunking 75x55	Alu metallic	84/117/117	1	ISM10151
	For trunking 95x55	Alu metallic	104/117/117	1	ISM10251
	For trunking 140x55	Alu metallic	149/117/117	1	ISM10351
	For trunking 165x55	Alu metallic	174/117/117	1	ISM10451
	For trunking 185x55	Alu metallic	194/117/117	1	ISM10551
	External corner				
	Adjustable external corner for a 75–135 degree angling of aluminium trunking. Material: PC/ABS, painted.				
P85798	For trunking 75x55	Alu metallic	84/105/105	1	ISM10152
	For trunking 95x55	Alu metallic	104/105/105	1	ISM10252
	For trunking 140x55	Alu metallic	149/105/105	1	ISM10352
	For trunking 165x55	Alu metallic	174/105/105	1	ISM10452
	For trunking 185x55	Alu metallic	194/105/105	1	ISM10552
	Bend, 90°, kit				
	90 degree bend kit for angling upwards and downwards of aluminium trunking. Including bend piece and fixing device to be screw-fitted to the wall. Material: PC/ABS, painted.				
P85799	For trunking 75x55	Alu metallic	102/57/102	1	ISM10153
	For trunking 95x55	Alu metallic	122/57/122	1	ISM10253
	For trunking 140x55	Alu metallic	167/57/167	1	ISM10353
	For trunking 165x55 only upwards angling	Alu metallic	192/57/192	1	ISM10453
	For trunking 185x55	Alu metallic	212/57/212	1	ISM10553

OptiLine 45 Trunking
Range

Accessories for aluminium trunking

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Stop end				
Stop end for aluminium trunking. Including screw and nut to fix the stop end in the trunking base. Material: PC/ABS, painted.				
For trunking 75x55	Alu metallic	79/56/21	2	ISM10154
For trunking 95x55	Alu metallic	99/56/21	2	ISM11254
For trunking 140x55	Alu metallic	144/56/21	2	ISM10354
For trunking 165x55	Alu metallic	169/56/21	2	ISM10454
For trunking 185x55	Alu metallic	189/56/21	2	ISM10554
Wall/Ceiling frame				
Wall/Ceiling frame to be fitted around an aluminium trunking at wall or ceiling passage. Easily modified to C or L-profile depending on how the passage is made. Snap-fitted, with a screw-fixing option for high security. Material: PC/ABS, painted.				
For trunking 75x55	Alu metallic	130/82/22	1	ISM10155
For trunking 95x55	Alu metallic	150/82/22	1	ISM10255
For trunking 140x55	Alu metallic	195/82/22	1	ISM10355
For trunking 165x55	Alu metallic	220/82/22	1	ISM10455
For trunking 185x55	Alu metallic	240/82/22	1	ISM10555
Joint cover piece, kit				
Joint cover piece, supplied and mounted together with two jointing pieces. Intended to cover joints between two aluminium trunking sections. Easy to remove in case of an upgrading of the installation. Material: PC/ABS, painted.				
For trunking 75x55	Alu metallic	80/57/100	1	ISM10156
For trunking 95x55	Alu metallic	100/57/100	1	ISM10256
For trunking 140x55	Alu metallic	145/57/100	1	ISM10356
For trunking 165x55	Alu metallic	170/57/100	1	ISM10456
For trunking 185x55	Alu metallic	190/57/100	1	ISM10556
T-piece				
T-piece intended to connect vertical and horizontal aluminium trunking of various sizes. Material: PC/ABS, painted.				
For vertical trunking 75x55 and horizontal trunking 75x55	Alu metallic	42/57/97	1	ISM10157
For vertical trunking 75x55 and horizontal trunking 95x55, 140x55, 165x55 or 185x55	Alu metallic	52/57/97	1	ISM10357
For vertical trunking 95x55 and horizontal trunking 95x55, 140x55, 165x55 or 185x55	Alu metallic	52/57/117	1	ISM10258
For vertical trunking 140x55 and horizontal trunking 140x55,165x55 or 185x55	Alu metallic	52/57/162	1	ISM10358
Front cover				
Front cover to be snap-fitted in trunking with a 45 mm front opening. With earthing slots. Supplied with protective foil, in lengths of 2 m. Material: Aluminium.				
Front cover	Anodized	45/16/2000	24 m	ISM10950
Cable retainer				
Cable retainer to be mounted at the back of the trunking base to keep cables in place during the installation phase. No need to remove the retainer when fitting the front cover. Package of five. Material: PA.				
Cable retainer	Green	32/42/25	5	ISM10901
Cable shelf				
Single cable shelf to be mounted in the trunking base, providing separation between power and low voltage cables. Supplied in lengths of 1 m. Material: PVC.				
Cable shelf	White RAL 9010	17/47/1000	24 m	ISM10902

P85800

P85801

P85802

P85804

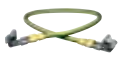
P85786

P85787

P85788

OptiLine 45 Trunking
Range

Accessories for aluminium trunking

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
P89053	**Joint cover piece for front cover**				
	Joint cover piece intended to cover joints between two aluminium front covers. Package of five. Material: PC/ABS, painted.				
	Joint cover piece	Alu metallic	46/20/23	5	ISM10951
P85790	**Jointing piece**				
	Internal jointing piece intended to facilitate jointing of two aluminium trunking bases. May also be used to mount the joint cover piece. Package of ten. Material: PC/ABS.				
	Jointing piece	White	4/51/100	10	ISM10904
P85794	**Jointing/earthing piece**				
	Internal jointing and earthing piece, intended for jointing and earthing of two aluminium trunking bases. Including two screws. Material: Zinc.				
	Jointing/earthing piece	Untreated	4/6/26	10	ISM10955
P85791	**Sealing strip**				
	Sealing strip to be fitted between trunking and floor for a 10-15 mm coverage. Material: PVC.				
	Sealing strip	White	17/40/2000	24 m	ISM10905
P85792	**Front locking clip**				
	Front locking clip to be mounted on either side of an outlet in order to secure pull-out forces. Package of ten. Material: PC/ABS.				
	Front locking clip	White RAL 9010	45/23/23	10	ISM10906
P87195	**Modular device adaptor**				
	2-module adaptor for 1-2 modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC+ASA.				
	Modular device adaptor	Alu metallic	90/72/45	1	ISM10957
P87196	**Earthing clamp**				
	Earthing clamp to be used for bonding of front cover, trunking base and accessories to earth. Package of ten. Material: Steel.				
	Earthing clamp	—	9/9/9	20	ISM10952
P85796 	**Earthing kit**				
	Kit including earth wire with flat pin connectors and earthing clamps. To be used to connect the front cover to the base profile or the base profile to another base profile.				
	Earthing kit	Yellow/green	L = 200 L = 300	10 10	ISM10953 ISM10954

OptiLine 45 Trunking
Range

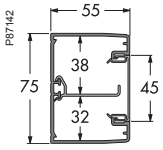
Fixing material for installation trunking

	Type	Colour	Dimensions Ø/length (mm)	Qty per package	Ref. No.
	Screw plugs				
	Screw plug suitable for use in concrete, stone, lightweight concrete, expanded clay, hollow blocks and bricks, solid bricks and plasterboard. Material: PE.				
P89050	TP 6x30	Red	6/30	100	1003020
	TP 8x45	Brown	8/40	100	1005032
	Nail plug				
P89051	Nail plug with nail for through installation. Suitable for use in concrete, stone, lightweight concrete, expanded clay, hollow blocks and bricks, solid bricks and plasterboard. Material: PA.				
	TPS-5/5x35	Clear	5/35	100	1149608
	Screws for PVC trunking				
	Screw with large thin head and integrated washer. Phillips cross recess, twin thread, fully threaded. Gives very good pressure when fixing plastic trunking. Material: Hardened steel, electroplated.				
P89052	TSC-4,2x25 for red plug	—	4.2/25	100	3782020
	TSC-4,2x31 for red plug	—	4.2/31	100	3782030
	Cup washer screw to be used with single-insulated wire				
	Installation screw with insulated cup washer for installing single-insulated wires in the trunking. Phillips PH2 recess. Sharp point, fully threaded. High pitch for quick mounting. Material: Hardened steel, electroplated and PP				
P99119	Cup washer screw	—	5/32	100	4020210
	Cavity fixing				
P89047	Cavity fixing suitable for through installation in plasterboard. Material: Zinc.				
	TPD-SK Driva	—	13/31	100	1220106
	Drill bits				
P89048	Screw bit with 1/4" hexagonal fixing for Phillips cross-slotted screw. Suitable for use in a narrow space. Material: Hardened steel.				
	PH 2x110	—	6/110	2	1772058
	Hammer drill bit for use in concrete, bricks, stone and rock. Material: Chrome vanadium steel with high quality tungsten carbide tip.				
P89049	THB 5x160	—	5/160	1	1788934
	THB 6x160	—	6/160	1	1789016
	THB 8x160	—	8/160	1	1789108

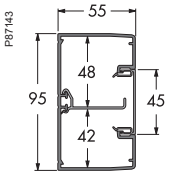
OptiLine 45 Trunking
Technical description

Design and dimensions

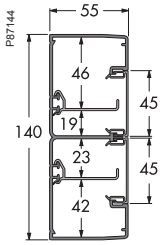
One compartment, symmetrical



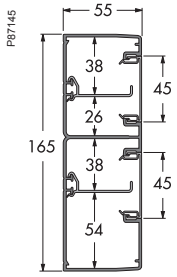
One compartment, symmetrical



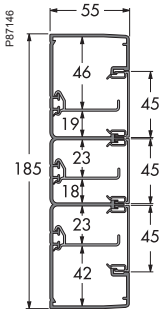
Two compartments, symmetrical



Two compartments, non-symmetrical



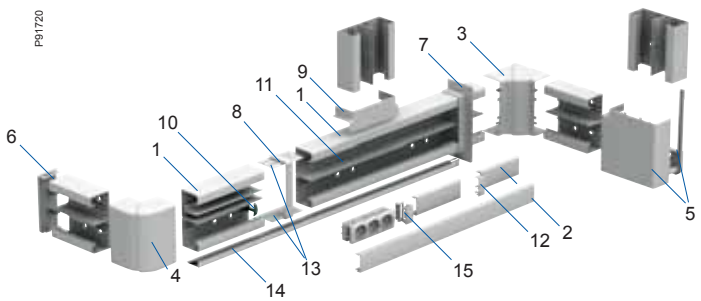
Three compartments, symmetrical



Technical and Material data

PVC (self-extinguishing, lead and cadmium-free)	Density	1.5 g/cm^3
	Linear expansion	60x10^{-6}/°C
	Water absorption	Less than 0.2%
	Volume resistivity	>10^{13} Ω cm
	Fire rating	UL 94 V0 (0.8 mm)
	Fire/smoke/toxicity classification	M1 acc. to French standard NF P 92 501
	Colour	White RAL 9010
Aluminium	Density	2.7 g/cm^3
	Linear expansion	2.4x10^{-5}/°C
	Surface treatment	Natural anodizing
PC/ABS	Density	1.14 g/cm^3
	Linear expansion	70x10^{-6}/°C
	Water absorption	0.6%
	Volume resistivity	>10^{13} Ω cm
	Dielectric strength	19 kV/mm
	Fire rating	UL 94 HB
	Colours	• White RAL 9010 • Aluminium metallic (painted)
PA (polyamide), halogen-free	Density	1.16 g/cm^3
	Water absorption	2.0%
	Volume resistivity	>10^{12} Ω cm
	Dielectric strength	45 kV/mm
	Fire rating	UL 94 V0
	Colours	• Green • Clear
PC+ASA	Density	1.15 g/cm^3
	Linear expansion	80x10^{-6}/°C
	Water absorption	0.6%
	Volume resistivity	>10^{13} Ω cm
	Dielectric strength	17 kV/mm
	Fire rating	UL 94 HB
	Colours	• White RAL 9010 • Aluminium metallic
PE (polyethylene), halogen-free	Density	0.96 g/cm^3
	Linear expansion	110x10^{-6}/°C
	Water absorption	Less than 0.2%
	Volume resistivity	>10^{16} Ω cm
	Fire rating	UL 94 HB
	Colours	• Red • Brown • Black
Degree of protection	IP40	
Temperature range	Operating temperature from -25°C to +60°C	
Resistance to impact	PVC trunking	2J (IK07)
	PC/ABS accessories	2J (IK07)
Standards and certificates	The products comply with the standards: • EN 50085-1:2005 • pr EN 50085-2-1:2002 • NFC 68 102:1990 (French national standard)	
	The products satisfy the provisions for CE marking according to the Low Volage Directive 73/23/EEC and 93/68/EEC.	

Exploded view



1. Trunking base
2. Front cover
3. Internal corner
4. External corner
5. Bend, 90°, including wall fixing
6. Stop end
7. Wall/Ceiling frame
8. Joint cover piece
9. T-piece
10. Cable retainer
11. Cable shelf
12. Joint cover piece for front cover
13. Jointing pieces
14. Sealing strip
15. Front locking clip

OptiLine 45 Poles
Presentation

Altira 45x45 module wiring devices
The OptiLine 45 range has a front opening for direct click-in of Altira 45x45 module wiring devices which gives optimal function and design.
Altira offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats, timers.

Service poles with 45 mm front opening for direct click-in of Altira wiring devices

OptiLine 45 service poles with a 45 mm front opening offer very flexible installation solutions, bringing power, telecom and data directly from the ceiling to the desk.

The poles have a softly rounded and slender form and are made of aluminium with a high surface finish, either natural anodised or powder coated white. They are installed free-standing in the room mounted on a foot and movable within a radius of up to 1.5 metres from the connection point in the ceiling, or tension-mounted between floor and ceiling. Both types are available in one and two-sided versions, or with four boxes.

The spring-loaded and adjustable ceiling fixing for tension-mounted poles can be fitted easily without tools.

One-sided poles

Free-standing

Tension-mounted

Two-sided poles

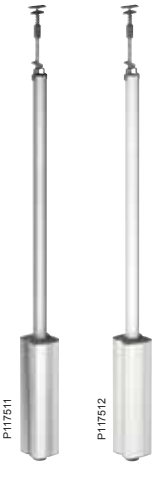
Free-standing

Tension-mounted

With boxes

Free-standing

Tension-mounted



OptiLine 45 Poles
Presentation

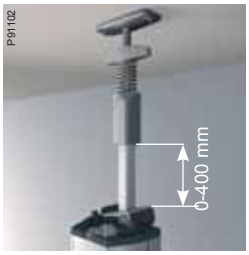
Correct user interface
Altira is also designed for vertical mounting
- Correct user interface
- Correct load on VDI patch cords

Design, finish and quality
All OptiLine poles are made of aluminium, anodized or powder coated, with a high surface finish. The form is softly rounded and slendered. All parts are designed to give reliable function and easy installation.

Many mounting options
Accessories for all mounting options. The ceiling frame for the flexible conduit is mounted without a tool and can be adjusted to different ceiling thicknesses.

Stable and sturdy
All parts in aluminium, several are die-cast. Foot in sand-cast iron.
- Stable and sturdy design
- Reliable function
- High-quality impression.

Innovative square foot
The foot has a steel clamp that can be unfolded for extra support.
- Steady
- Nice installation close to the wall
- Two poles can be placed back to back.



Handy ceiling fixing
Fitted easily without tools. Self-locking adjustment.
- Quick and safe installation
- 400 mm working range
- Mechanism outside the pole – does not interfere with the wiring devices.

Cable separation
Partition profile for good separation of cables.
- Correct distance between VDI and power cables
- Full isolation between terminations and cables.

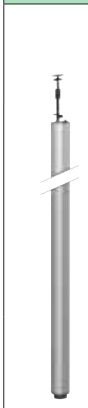
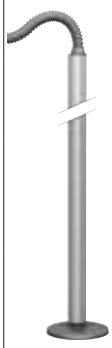
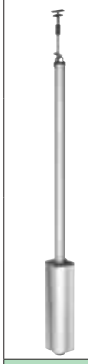
Screw slots
Slots along both sides of the pole.
- For decorative colour strips
- For products like spotlights, small shelves etc.

Flexibility
The movable pole has a steady foot and a flexible conduit.
- Easy to move the poles to optimize the office layout
- 1.5 m action radius.

Smooth stop-end
Stop end in cast aluminium with smoothly shaped edges.
- Covers the sharp cut of the base profile
- No risk of damaged cables.

OptiLine 45 Poles & accessories Choice guide

Quantity per pack: 1

						Ceiling frame one-sided	Ceiling frame two-sided	Cable tray fixing
Tension-mounted			**Colour**	**Height mm**	**Ref. No.**			
	**One-sided**		Anodized aluminium	2700-3100 3100-3500 3500-3900 3900-4300	ISM20100 ISM20102 ISM20104 ISM20120	ISM20810		ISM20814
			Powder coated: White RAL 9010	2700-3100 3100-3500 3500-3900 3900-4300	ISM20101 ISM20103 ISM20105 ISM20121	ISM20810		ISM20814
		Two-sided	Anodized aluminium	2700-3100 3100-3500 3500-3900 3900-4300	ISM20106 ISM20108 ISM20110 ISM20122		ISM20811	ISM20814
			Powder coated: White RAL 9010	2700-3100 3100-3500 3500-3900 3900-4300	ISM20107 ISM20109 ISM20111 ISM20123		ISM20811	ISM20814
Free-standing			**Colour**	**Height mm**	**Ref. No.**			
	**One-sided**		Anodized aluminium	2450 2900 2150	ISM20112 ISM20114 ISM20130			
			Powder coated: White RAL 9010	2450 2900 2150	ISM20113 ISM20115 ISM20131			
		Two-sided	Anodized aluminium	2450 2900 2150	ISM20116 ISM20118 ISM20132			
			Powder coated: White RAL 9010	2450 2900 2150	ISM20117 ISM20119 ISM20130			
Tension-mounted with installation boxes			**Colour**	**Height mm**	**Ref. No.**			
			Anodized aluminium	2700-3100 3100-3500 3500-3900	ISM20140 ISM20142 ISM20144	ISM20552		ISM20554
			Powder coated: White RAL 9010	2700-3100 3100-3500 3500-3900	ISM20141 ISM20143 ISM20145	ISM20552		ISM20554
Free-standing with installation boxes			**Colour**	**Height mm**	**Ref. No.**			
			Anodized aluminium	2150 2450 2900	ISM20146 ISM20148 ISM20150			
			Powder coated: White RAL 9010	2150 2450 2900	ISM20147 ISM20149 ISM20151			

	Foot, round	**Foot, rectangular**	**Ceiling frame**	**Ceiling fixing**	**Busbar fixing**	**Cable tray fixing**
	ISM20808	ISM20809	ISM20812	ISM20816	ISM20815	ISM20813
	ISM20808	ISM20809	ISM20812	ISM20816	ISM20815	ISM20813
	ISM20808	ISM20809	ISM20812	ISM20816	ISM20815	ISM20813
	ISM20808	ISM20809	ISM20812	ISM20816	ISM20815	ISM20813
	ISM20808	ISM20809	ISM20812	ISM20816	ISM20815	ISM20813
	ISM20808	ISM20809	ISM20812	ISM20816	ISM20815	ISM20813
	ISM20808	ISM20809	ISM20812	ISM20816	ISM20815	ISM20813
	ISM20808	ISM20809	ISM20812	ISM20816	ISM20815	ISM20813

OptiLine 45 Poles
Range

Service poles, empty

P86538
P87199

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Pole, tension-mounted				
Empty service pole for tension mounting between floor and ceiling, one-sided or two-sided. Including front cover, ceiling fixing, ceiling frame, stop end, strain relief, partition profile, floor fixing plate, earthing kit and mounting instruction. Adjustability of ceiling fixing 400 mm. Unearthed. Supplied without service content or cables. 45 mm front opening for direct click-in of Altira 45x45 module wiring devices. Material: Aluminium, natural anodized or powder coated white RAL 9010.				
One-sided, 2.7-3.1 m	Anodized White	3100/68/89	1	ISM20100 ISM20101
One-sided, 3.1-3.5 m	Anodized White	3500/68/89	1	ISM20102 ISM20103
One-sided, 3.5-3.9 m	Anodized White	3900/68/89	1	ISM20104 ISM20105
One-sided, 3.9-4.3 m	Anodized White	4300/68/89	1	ISM20120 ISM20121
Two-sided, 2.7-3.1 m	Anodized White	3100/116/90	1	ISM20106 ISM20107
Two-sided, 3.1-3.5 m	Anodized White	3500/116/90	1	ISM20108 ISM20109
Two-sided, 3.5-3.9 m	Anodized White	3900/116/90	1	ISM20110 ISM20111
Two-sided, 3.9-4.3 m	Anodized White	4300/116/90	1	ISM20122 ISM20123
Pole, tension-mounted, with installation boxes				
Empty service pole for tension mounting between floor and ceiling, provided with four installation boxes. Installation box height 558 mm. Including white plastic front cover, ceiling fixing, ceiling frame, stop end, floor fixing, floor fixing plate (zinc), earthing cable and mounting instruction. Adjustability of ceiling fixing 400 mm. Unearthed. Supplied without service content or cables. 45 mm front opening for direct click-in of Altira 45x45 module wiring devices. Material: Aluminium, natural anodized or powder coated white RAL 9010.				
2.7-3.1 m	Anodized White	2700-3100/149/140	1	ISM20140 ISM20141
3.1-3.5 m	Anodized White	3100-3500/149/140	1	ISM20142 ISM20143
3.5-3.9 m	Anodized White	3500-3900/149/140	1	ISM20144 ISM20145

P117511
P117512

P86536
P87201

Pole, free-standing				
Empty, free-standing and movable service pole, one-sided or two-sided. Including front cover, flexible conduit with adaptor, strain relief, partition profile, earthing kit and mounting instruction. Unearthed. Supplied without service content or cables. 45 mm front opening for direct click-in of Altira 45x45 module wiring devices. Length of flexible conduit 2 m, action radius 1.5 m from the connection point in the ceiling. Foot to be ordered separately. Material: Aluminium, natural anodized or powder coated white RAL 9010.				
One-sided, 2.15 m	Anodized White	2150+2000/68/89	1	ISM20130 ISM20131
One-sided, 2.45 m	Anodized White	2450+2000/68/89	1	ISM20112 ISM20113
One-sided, 2.9 m	Anodized White	2900+2000/68/89	1	ISM20114 ISM20115
Two-sided, 2.15 m	Anodized White	2150+2000/116/90	1	ISM20132 ISM20133
Two-sided, 2.45 m	Anodized White	2450+2000/116/90	1	ISM20116 ISM20117
Two-sided, 2.9 m	Anodized White	2900+2000/116/90	1	ISM20118 ISM20119
Pole, free-standing, with installation boxes				
Empty, free-standing and movable service pole, provided with four installation boxes. Installation box height 558 mm. Including white plastic front cover, flexible conduit with adaptor, earthing cable and mounting instruction. Unearthed. Supplied without service content or cables. 45 mm front opening for direct click-in of Altira 45x45 module wiring devices. Length of flexible conduit 2 m, action radius 1.5 m from the connection point in the ceiling. Foot to be ordered separately. Material: Aluminium, natural anodized or powder coated white RAL 9010.				
2.15 m	Anodized White	2150+2000/149/140	1	ISM20146 ISM20147
2.45 m	Anodized White	2450+2000/149/140	1	ISM20148 ISM20149
2.9 m	Anodized White	2900+2000/149/140	1	ISM20150 ISM20151

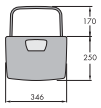
P117513
P117514

OptiLine 45 Poles
Range

Service poles, customer adapted

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Pole, customer adapted				
Service pole according to special customer order. The pole is available one- or two-sided or with four installation boxes, for tension mounting or free-standing, see above, and can be specified *in optional length and colour*. Implies a detailed specification. Material: Aluminium.				
Acc. to customer spec.	Optional	Optional/—*/—* *Two different measurements, see above	—	ISMSPPL

Accessories for service poles

	Foot for free-standing, movable pole				
P86528	Rectangular foot for free-standing, movable pole, to be fixed to the bottom plate of the pole by means of two M6 bolts (included). The foot is provided with a steel clamp that can be unfolded for extra support. When not in use, the clamp lies protected in a recess underneath the foot. Specially suited in applications close to the wall or when two poles are positioned back to back. Material: Cast iron, painted.				P81547 
	Foot, rectangular	Grey	33/250/346	1	ISM20809
P86529	Round foot for free-standing, movable poles, to be fixed to the bottom plate of the pole by means of two M6 bolts (included). Suitable both for one and two-sided poles. Material: Cast iron, painted.				
	Foot, round	Grey	29/Ø317	1	ISM20808
	Ceiling frame				
P86527	Ceiling frame intended to lead flexible conduit through false ceiling. To be mounted in circular hole, Ø125 mm, by using three included clamps. Also including a slotted plastic plate to be used to lock the flexible conduit, which is fixed by cable ties. The plate can also be used as a drill template for entrance hole Ø125 mm. Material: PC/ABS.				
	Ceiling frame	White RAL 9010	89/Ø161	1	ISM20812
	Ceiling frame				
	Ceiling frame for one-sided or two-sided poles or for Ø65 mm profile. Covers the edge of the hole in a false ceiling. Self-sticking. Material: PS (polystyrene).t				
P86532	Ceiling frame for 1-sided pole	White RAL 9010	1/108/129	1	ISM20810
P86531	Ceiling frame for 2-sided pole	White RAL 9010	1/156/130	1	ISM20811
P92648	Ceiling frame for Ø65 mm pole	White RAL 9010	1/Ø115	1	ISM20552
	Cable tray fixing				
P86524	Cable tray fixing including fixing material, intended to connect flexible conduit to cable tray. Gripping around cable tray. Material: Steel, powder coated.				
	Cable tray fixing	White RAL 9010	100/15/70	1	ISM20813
P86530	Cable tray fixing including fixing material, intended to connect a Ø65 mm service pole to cable tray or cable ladder. Allows a flexible connection of the pole in various directions. Material: Steel, powder coated.				
	Cable tray fixing	White RAL 9010	75/50/120	1	ISM20814
P92607	Cable tray fixing, Ø65 mm pole	White RAL 9010	75/Ø72	1	ISM20554
	Ceiling fixing				
P86526	Ceiling fixing intended to connect flexible conduit to ceiling or wall. Fixings not included. Material: Aluminium, powder coated.				
	Ceiling fixing	White RAL 9010	50/156/90	1	ISM20816
	Busbar fixing				
P94503	Busbar fixing for Ø55 mm conduits, intended to connect flexible conduit to busbar trunking. Material: Steel, powder coated.				
	Busbar fixing	White RAL 9010	105/90/70	1	ISM20815

OptiLine 45 Poles
Range

Accessories for service poles

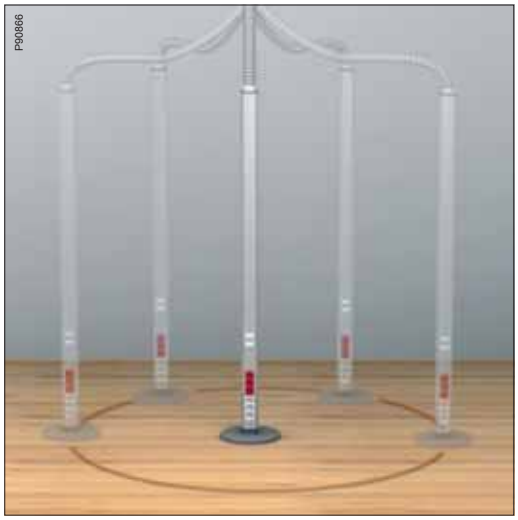
	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Front cover				
	Front cover to be snap-fitted in service carriers with a 45 mm front opening. With earthing slots. Supplied with protective foil, in lengths of 2 m. Material: Aluminium, natural anodized or powder coated white.				
P92658	Front cover	Anodized	45/16/2000	24 m	ISM10950
P92659	Front cover	White RAL 9010	45/16/2000	24 m	ISM10960
	Floor fixing with slot for floor feeder				
	Floor fixing for one or two-sided service pole. Fixed to the floor by screws. With slot for connection of floor feeder 18x75 mm. Material: Aluminium, powder coated.				
P87188	For one-sided pole	Grey RAL 9007	38/125/102	1	ISM20820
P87189	For two-sided pole	Grey RAL 9007	38/125/156	1	ISM20821
	Floor feeder				
	Floor feeder made up by a base part with three compartments and a cover. Supplied in lengths of 2 m. To be used for feeding along the floor to a service pole provided with a slotted floor fixing for 18x75 mm floor feeder. Material: PVC.				
P86523	Floor feeder	Grey RAL 7030	18/75/2000	28 m	ISM20817
	Floor feeder made up by a base part with three compartments and a cover. Supplied in lengths of 2 m. To be used for feeding along the floor to a service pole provided with a slotted floor fixing for 18x75 mm floor feeder. Material: Aluminium, natural anodized.				
P111399	Floor feeder	Anodized	18/75/2000	8 m	ISM20857
	Floor feeder jointing piece				
	Floor feeder jointing piece to cover joints between floor feeder sections. Material: PVC.				
P86521	Jointing piece	Grey RAL 7030	20/50/78	10	ISM20818
	Corner feeder piece				
	Corner feeder piece to be used in 90 degree corners between floor feeder sections. Material: PVC.				
P86522	Corner feeder piece	Grey RAL 7030	20/120/120	10	ISM20819
	Floor feeder adaptor				
	Adaptor to be used between floor feeder and wall trunking with a 45 mm front opening. Material: PC/ABS.				
P87186	Adaptor	White RAL 9010	60/63/110	1	ISM20826
P87187	Adaptor	Alu metallic	60/63/110	1	ISM20827
	Partition profile				
	Partition profile of halogen-free material with two partition walls. Mounted in internal fixing rails of poles and posts. Supplied in lengths of 0.5 m. Material: ABS.				
P87194	Partition profile	White RAL 9010	500/30/52	10	ISM20825
	Decorative stripe				
	Decorative stripe to be fitted in the slots along the sides of poles and posts. Supplied in lengths of 5 m. Material: Silicone rubber.				
P87191	Decorative stripe	Grey	5000/Ø3.5	5 m	ISM20822
P87192	Decorative stripe	White RAL 9010	5000/Ø3.5	5 m	ISM20823
P87193	Decorative stripe	Orange	5000/Ø3.5	5 m	ISM20824

OptiLine 45 Poles
Range

Accessories for service poles

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Earthing clamp				
	Earthing clamp to be used for bonding of front cover, base profile and accessories to earth. Material: Steel.				
P87196	Earthing clamp	—	9/9/9	20	ISM10952
	Earthing kit				
P85796	Kit including earth wire with flat pin connectors and earthing clamps. To be used to connect the front cover to the base profile.				
	Earthing kit	Yellow/green	L = 200 L = 300	10 10	ISM10953 ISM10954
	Modular device adaptor				
	2-module adaptor for 1-2 modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: ASA+PC, white or alu metallic.				
P85793	Modular device adaptor	White RAL 9010	90/72/45	1	ISM10907
P87195	Modular device adaptor	Alu metallic	90/72/45	1	ISM10957
	Front locking clip				
P85792	Front locking clip to be mounted on either side of an outlet in order to secure pull-out forces. Material: PC/ABS.				
	Front locking clip	White RAL 9010	45/23/23	10	ISM10906

OptiLine 45 Poles
Technical description

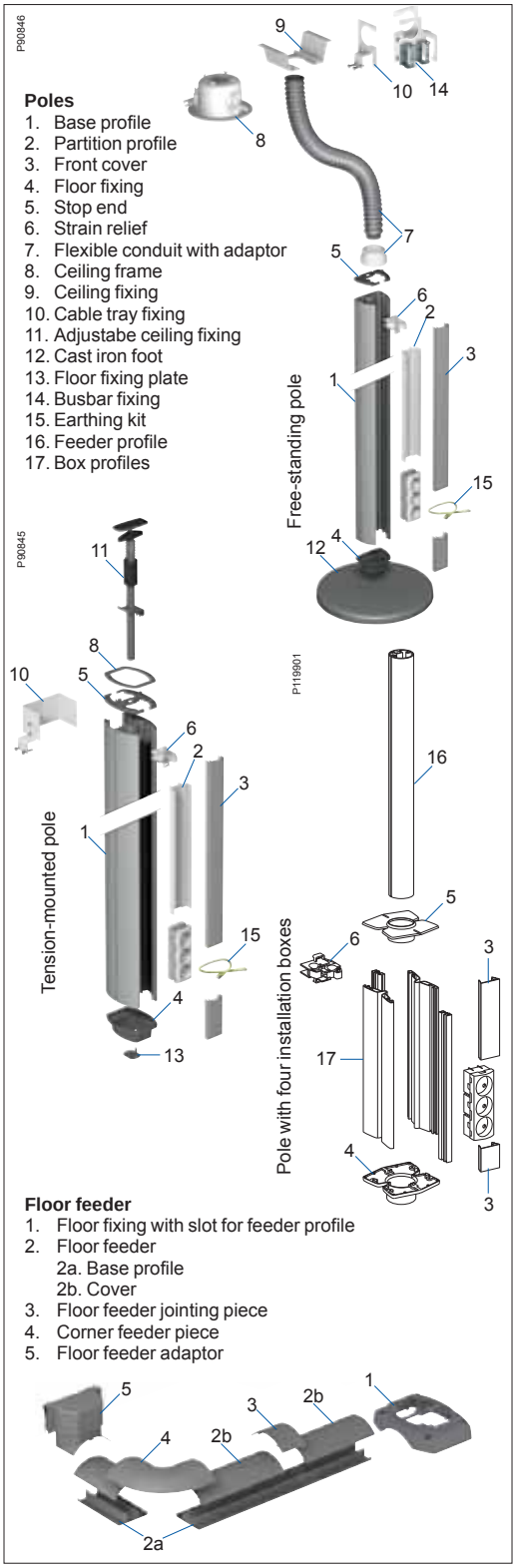


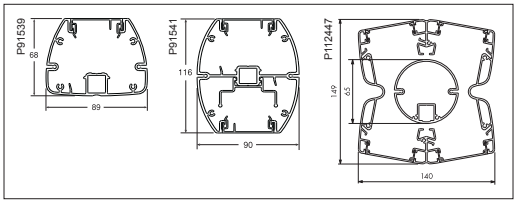
Technical and Material data

Aluminium, extruded	Specification	EN-AW-6063
	Density	2.7 g/cm^3
	Linear expansion	2.4x10^{-5}/°C
	Surface treatment	Natural anodzing or powder coating
	Colour	White RAL 9010
Aluminium, die cast	Density	2.7 g/cm^3
	Linear expansion	2.4x10^{-5}/°C
	Surface treatment	Powder coating
	Colour	Grey RAL 9007
Cast iron	Density	7.3 g/cm
	Linear expansion	1.2x10^{-5}/°C
	Surface treatment	Coated with clear varnish
Zinc	Density	7.1 g/cm^3
	Linear expansion	2.7x10^{-5}/°C
	Surface treatment	Untreated
PC/ABS	Density	1.14 g/cm^3
	Linear expansion	70x10^{-6}/°C
	Volume resistivity	>10^{13} Ω cm
	Water absorption	0.6%
	Dielectric strength	19 kV/mm
	Fire rating	UL 94 HB
	Colour	White RAL 9010
PS (Polystyrene)	Density	1.04 g/cm^3
	Colour	White RAL 9010
	Other info	Halogen-free
PVC	Density	1.5 g/cm^3
	Linear expansion	60x10^{-6}/°C
	Volume resistivity	>10^{13} Ω cm
	Water absorption	<0.2%
	Colour	Grey RAL 7030
PC+ASA	Density	1.15 g/cm^3
	Linear expansion	80x10^{-6}/°C
	Water absorption	0.6%
	Volume resistivity	>10^{13} Ω cm
	Dielectric strength	17 kV/mm
	Fire rating	UL 94 HB
	Colour	White RAL 9010
Steel	Specification	SS 1142
	Density	7.8 g/cm^3
	Linear expansion	1.2x10^{-5}/°C
	Surface treatment	Powder coating
	Colour	White RAL 9010
Degree of protection	IP30	
Temperature range	Operating temperature from -25°C to +60°C	
Standards and certificates	The products comply with the standards: • IEC 1084-2-4 clause 10.5.102 • EN 50085-1:2005 • EN 60598-2-2 clause 4.6.3 • NFC 68 102:1990 (French national standard)	
	The products satisfy the provisions for CE marking according to the Low Volage Directive 73/23/EEC and 93/68/EEC.	

OptiLine 45 Poles
Technical description

Exploded views





Cable capacity

Comp.	Max. Ø mm	Cross section area mm²	Cable capacity ') mm² 40%	50%	60%	
One-sided pole						
1	41	4220	1688	2110	2532	P89032
One-sided pole with partition profile						
1	39	1799	720	900	1079	P89031
2	15	1106	442	553	663	
Two-sided pole without and with partition profile						
1	41	3747	1499	1874	2248	P89033
2	16	871	348	435	523	
3	39	1799	720	900	1079	
Pole with four boxes						
1	75	13966	5586	6983	8379	P112436
Pole profile for pole with four boxes						
2	43	2535	1014	1267	1521	P112448

*) We recommend a 40% utilization of the cable capacity.

Design and dimensions

		A Total height	B Height without ceiling fixing
Tension-mounted poles			
P112455 Tension-mounted poles, one-sided and two-sided	P112456 Tension-mounted poles with four installation boxes	Min. 2700 mm Max. 3100 mm	2540 mm
		Min. 3100 mm Max. 3500 mm	2940 mm
		Min. 3500 mm Max. 3900 mm	3340 mm
		Min. 3900 mm Max. 4300 mmm	3740 mm
Tension-mounted poles with boxes			
		Min. 2700 mm Max. 3100 mm	2510 mm
		Min. 3100 mm Max. 3500 mm	2910 mm
		Min. 3500 mm Max. 3900 mm	3310 mm
Free-standing poles			
		A Total height of pole	**B Length of flex. conduit**
P112449 Free-standing poles, one-sided and two-sided	P112450 Free-standing poles with one, two and four boxes	2150 mm	2000 mm
		2450 mm	2000 mm
		2900 mm	2000 mm
Free-standing poles with boxes			
		2150 mm	2000 mm
		2450 mm	2000 mm
		2900 mm	2000 mm

OptiLine 45 Posts
Presentation

Service posts with 45 mm front opening for direct click-in of Altira wiring devices

OptiLine 45 service posts with a 45 mm front opening give a neat installation solution on all types of floors.

The posts have a softly rounded and compact form and are made of aluminium with a high surface finish, either natural anodised or powder coated white. They are available in one and two-sided versions.

On raised access floors and in-cavity floors the posts are fed from under the floor. On concrete floors the feeding comes from a screeded floor box. For other floors a floor feeder is available as an accessory.

Altira 45x45 module wiring devices

The OptiLine 45 range has a front opening for direct click-in of Altira 45x45 module wiring devices which gives optimal function and design.

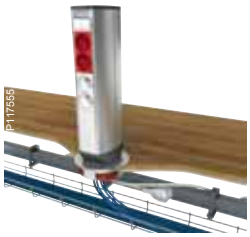
Altira offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats, timers.

One-sided posts

Two-sided posts

Two-sided posts for floor grommet

OptiLine 45 Posts
Presentation



Full flexibility
For a truly flexible solution, go for our two-sided outlet post with a special fixing for the floor grommet. Canalis busbar trunking and mesh trays distribute power and networks under the floor and further up to the post through the floor grommet. The floor grommet suits any type of floor and can be installed where required. Should needs be changed, just remove the post, put the cover back, install a new grommet and move the post to where it is needed.

Tube adaptor
With a tube adaptor in the floor grommet you can supply power and data to a furniture box instead.

Stable and tight
When not in use the centre cover makes the floor grommet tight, withstanding both water and high loads.

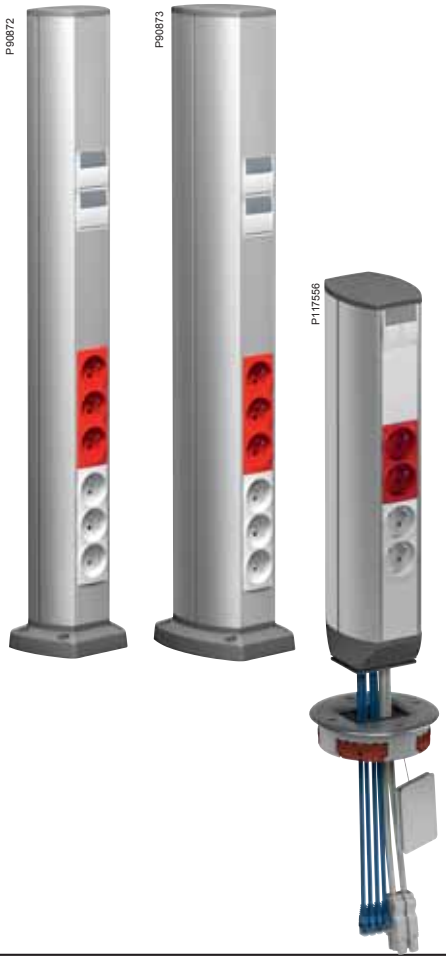
Design, finish and quality
All OptiLine posts are made of aluminium, anodized or powder coated, with a high surface finish. The form is softly rounded and slendered. All parts are designed to give reliable function and easy installation.

Stable and sturdy
All parts in aluminium, several are die-cast.
- Stable and sturdy design
- Reliable function
- High-quality impression

Feeding along/under the floor
Posts could be fed from the floor or along the floor
- Floor fixing for feeding from the floor as a standard
- Floor fixing with slot for floor feeder as an accessory

Feeding from trunking
The post can be fed from a wall trunking.
- Easy and fast installation
- Floor feeder adaptor with adjustable height

Screw slots
Slots along both sides of the post
- For decorative colour strips
- For products like hooks etc.



Cable separation
Partition profile for good separation of cables.
- Correct distance between VDI and power cables
- Full isolation between wiring device terminations and cables

Wet sealing
The floor fixing ca be provided with a gasket ring.
- Gasket ring included in the package
- Effective wet sealing
- Stable mounting also on slightly uneven floors

Correct user interface
Altira 45x45 modules are designed also for vertical mounting
- Correct user interface
- Correct load on VDI patch cords

OptiLine 45 Posts
Choice guide

Posts					
	One-sided	**Two-sided**	**Colour**	**Height mm**	**Ref. No.**
With floor fixing			Anodized aluminium White	430 430	ISM20210 ISM20211
			Anodized aluminium White	700 700	ISM20200 ISM20201
			Anodized aluminium White	430 430	ISM20212 ISM20213
			Anodized aluminium White	700 700	ISM20202 ISM20221
With floor fixing for floor grommet			Anodized aluminium White	430 430	ISM20220 ISM20203
With slotted floor fixing			Anodized aluminium White	430 430	ISM20215 ISM20216
			Anodized aluminium White	700 700	ISM20205 ISM20206
			Anodized aluminium White	430 430	ISM20217 ISM20218
			Anodized aluminium White	700 700	ISM20207 ISM20208

OptiLine 45 Posts
Range

Service posts

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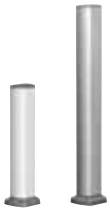
P86534



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P103999

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P104043

Type	Colour	Dimensions A/B/C (mm)	Qty per package	EAN code	Internal ID-No.	Ref. No.
Post with floor fixing						
Empty, free-standing, one or two-sided service post mounted on a floor fixing. Including front cover, floor fixing, stop end, strain relief, partition profile, earthing kit and mounting instruction. Floor fixing provided with gasket ring. Unearthed. Supplied without service content and cables. 45 mm front opening for direct click-in of Altira 45x45 module wiring devices. Material: Aluminum, natural anodized or powder coated white RAL 9010.						
One-sided For up to six 45x45 module wiring devices	Anodized White	430/68/89	1	3606480025532 3606480025549	20057802 20057803	ISM20210 ISM20211
One-sided For up to twelve 45x45 module wiring devices	Anodized White	700/68/89	1	3606480029769 3606480029776	20052267 20052268	ISM20200 ISM20201
Two-sided For up to six 45x45 module wiring devices on each side	Anodized White	430/116/90	1	3606480025556 3606480025563	20057804 20057805	ISM20212 ISM20213
Two-sided For up to twelve 45x45 module wiring devices on each side	Anodized White	700/116/90	1	3606480029783 3606480029790	20052269 20052270	ISM20202 ISM20203
Empty, free-standing, two-sided service post mounted on a floor fixing for floor grommet, intended for up to six 45x45 module wiring devices. Including plastic front covers, floor fixing, stop end, strain relief, partition profile, earthing kit and mounting instruction. Unearthed. Supplied without service content and cables. 45 mm front opening for direct click-in of Altira 45x45 module wiring devices. Material: Aluminum, natural anodized or powder coated white RAL 9010.						
Two-sided for floor grommet	Anodized White	430/116/90	1	3606480317460 3606480317477	20063368 20063369	ISM20220 ISM20221
Post with slotted floor fixing						
Empty, free-standing, one or two-sided service post mounted on a floor fixing. Including front cover, floor fixing with slot 18x75 mm, stop end, strain relief, partition profile, earthing kit and mounting instruction. Floor fixing provided with gasket ring. Unearthed. Supplied without service content and cables. 45 mm front opening for direct click-in of Altira 45x45 module wiring devices. Material: Aluminum, natural anodized or powder coated white RAL 9010.						
One-sided For up to six 45x45 module wiring devices	Anodized White	430/68/89	1	3606480027512 3606485076331	20058645 20058646	ISM20215 ISM20216
One-sided For up to twelve 45x45 module wiring devices	Anodized White	700/68/89	1	3606480027499 3606485076317	20058641 20058642	ISM20205 ISM20206
Two-sided For up to six 45x45 module wiring devices on each side	Anodized White	430/116/90	1	3606480027529 3606485076348	20058647 20058648	ISM20217 ISM20218
Two-sided For up to twelve 45x45 module wiring devices on each side	Anodized White	700/116/90	1	3606480027505 3606485076324	20058643 20058644	ISM20207 ISM20208
Post, customer adapted						
Service post according to special customer order. The post is available one- or two-sided with floor fixing with or without slot, see above, and can be specified *in optional length and colour*. Implies a detailed specification. Material: Aluminium.						
Acc. to customer spec.	Optional	Optional/—*/—* *Two different measurements, see above	—	—	20059796	ISMSPPT

OptiLine 45 Posts
Range

Accessories for service posts

Type	Colour	Dimensions A/B/C (mm)	Qty per package	EAN code	Internal ID-No.	Ref. No.
Floor fixing with slot for floor feeder						
Floor fixing for one or two-sided sided service post. Fixed to the floor by screws. With slot for connection of floor feeder 18x75 mm. Material: Aluminium, powder coated.						
For one-sided post	Grey RAL 9007	38/125/102	1	3606480030703	20052271	ISM20820
For two-sided post	Grey RAL 9007	38/125/156	1	3606480030710	20052272	ISM20821
Floor feeder, PVC						
Floor feeder made up by a base part with three compartments and a cover. Supplied in lengths of 2 m. To be used for feeding along the floor to a service post provided with a slotted floor fixing for 18x75 mm floor feeder. Material: PVC.						
Floor feeder	Grey RAL 7030	18/75/2000	28 m	3606480030673	20052225	ISM20817
Floor feeder, aluminium						
Floor feeder made up by a base part with three compartments and a cover. Supplied in lengths of 2 m. To be used for feeding along the floor to a service post provided with a slotted floor fixing for 18x75 mm floor feeder. Material: Aluminium, natural anodized.						
Floor feeder	Anodized	18/75/2000	8 m	3606480027536	20058649	ISM20857
Floor feeder jointing piece						
Floor feeder jointing piece to cover joints between floor feeder sections. Material: PVC.						
Jointing piece	Grey RAL 7030	20/50/78	10	3606480030680	20052224	ISM20818
Corner feeder piece						
Corner feeder piece to be used in 90 degree corners between floor feeder sections. Material: PVC.						
Corner feeder piece	Grey RAL 7030	20/120/120	10	3606480030697	20052205	ISM20819
Floor feeder adaptor						
Adaptor to be used between floor feeder and wall trunking with a 45 mm front opening. Material: PC/ABS.						
Adaptor	White RAL 9010	60/63/110	1	3606480030765	20052228	ISM20826
Adaptor	Alu metallic	60/63/110	1	3606480030772	20052282	ISM20827
Floor grommet						
Grommet for floor applications, intended to suit a special version of the two-sided service post. Including trim frame with fixing devices, two-part cover and sealing foam for protection from dust and wet floor-cleaning. The cover has the function of a water-tight blank plate when no service post has been installed. When installing a post, the removed part of the cover remains in the grommet, secured by a strap. Hole diameter 127 mm. Material: Zinc, chromium plated.						
Floor grommet	—	38/Ø147	1	3606480160769	20061357	INS40550
Partition profile						
Partition profile of halogen-free material with two partition walls. Mounted in internal fixing rails of poles and posts. Supplied in lengths of 0.5 m. Material: ABS.						
Partition profile	White	500/30/52	10	3606480030758	20052196	ISM20825

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OptiLine 45 Posts
Range

Accessories for service posts

Type	Colour	Dimensions A/B/C (mm)	Qty per package	EAN code	Internal ID-No.	Ref. No.
Front cover						
Front cover to be snap-fitted in service carriers with a 45 mm front opening. With earthing slots. Supplied with protective foil, in lengths of 2 m. Material: Aluminium, natural anodized or powder coated white.						
Front cover	Anodized	45/16/2000	24 m	3606480028489	20051953	ISM10950
Front cover	White RAL 9010	45/16/2000	24 m	3606480028557	20053360	ISM10960
Decorative stripe						
Decorative stripe to be fitted in the slots along the sides of poles and posts. Supplied in lengths of 5 m. Material: Silicone rubber.						
Decorative stripe	Grey	5000/Ø3.5	5 m	3606480030727	20052206	ISM20822
Decorative stripe	White RAL 9010	5000/Ø3.5	5 m	3606480030734	20052207	ISM20823
Decorative stripe	Orange	5000/Ø3.5	5 m	3606480030741	20052209	ISM20824
Earthing clamp						
Earthing clamp to be used for bonding of front cover, base profile and accessories to earth. Material: Steel.						
Earthing clamp	—	9/9/9	20	3606480028502	20051681	ISM10952
Earthing kit						
Kit including earth wire with flat pin connectors and earthing clamps. To be used to connect the front cover to the base profile.						
Earthing kit	Yellow/green	L = 200 L = 300	10 10	3606480028519 3606480038526	20052945 20052946	ISM10953 ISM10954
Modular device adaptor						
2-module adaptor for 1-2 modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: ASA+PC, white or alu metallic.						
Modular device adaptor	White RAL 9010	90/72/45	1	3606480028465	20052840	ISM10907
Modular device adaptor	Alu metallic	90/72/45	1	3606480028540	20052968	ISM10957
Front locking clip						
Front locking clip to be mounted on either side of an outlet in order to secure pull-out forces. Material: PC/ABS.						
Front locking clip	White RAL 9010	45/23/23	10	3606480028458	20051693	ISM10906

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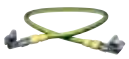

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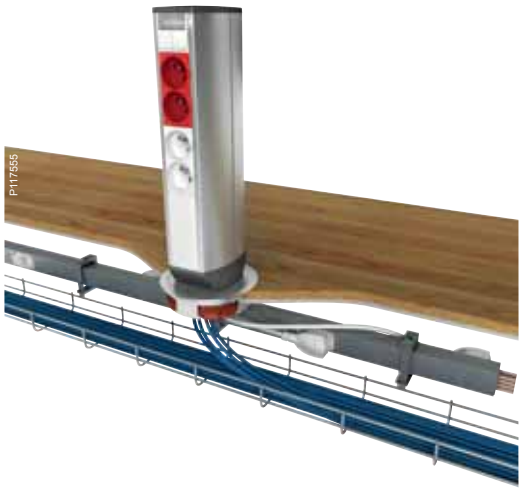
OptiLine 45 Posts
Technical description

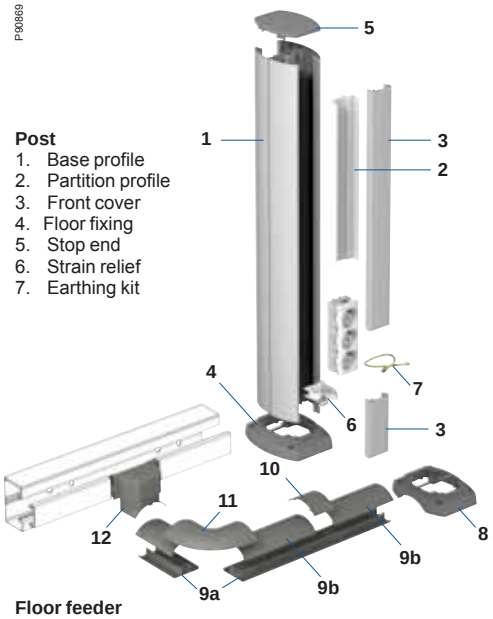


Technical and Material data

Aluminium, extruded	Specification	EN-AW-6063
	Density	2.7 g/cm^3
	Linear expansion	2.4x10^{-5}/°C
	Surface treatment	Natural anodzing or powder coating
	Colour	White RAL 9010
Aluminium, die cast	Density	2.7 g/cm^3
	Linear expansion	2.4x10^{-5}/°C
	Surface treatment	Powder coating
	Colour	Grey RAL 9007
PVC	Density	1.5 g/cm^3
	Linear expansion	60x10^{-6}/°C
	Volume resistivity	>10^{13} Ω cm
	Water absorption	<0.2%
	Colour	Grey RAL 7030
PC/ABS	Density	1.14 g/cm^3
	Linear expansion	70x10^{-6}/°C
	Volume resistivity	>10^{13} Ω cm
	Water absorption	0.6%
	Volume resistivity	>10^{13} Ω cm
	Dielectric strength	19 kV/mm
	Fire rating	UL 94 HB
	Colour	White RAL 9010 Aluminium metallic (painted)
PC+ASA	Density	1.15 g/cm^3
	Linear expansion	80x10^{-6}/°C
	Water absorption	0.6%
	Volume resistivity	>10^{13} Ω cm
	Dielectric strength	17 kV/mm
	Fire rating	UL 94 HB
	Colour	White RAL 9010
Steel	Specification	SS 1142
	Density	7.8 g/cm^3
	Linear expansion	1.2x10^{-5}/°C
Degree of protection	IP30	
Temperature range	Operating temperature from -25°C to +60°C	
Standards and certificates	The products comply with the standards: • EN 50085-1 : 2005 • NFC 68 102 (French national standard)	
	The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 93/68/EEC.	

OptiLine 45 Posts
Technical description

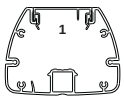
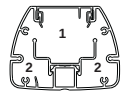
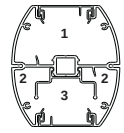
Exploded view



Post
1. Base profile
2. Partition profile
3. Front cover
4. Floor fixing
5. Stop end
6. Strain relief
7. Earthing kit

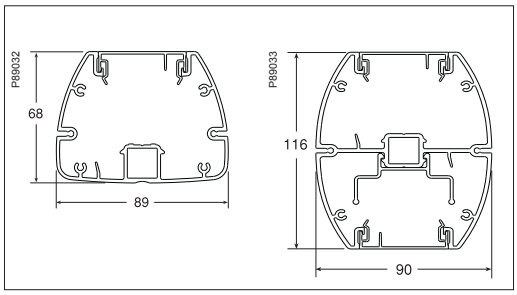
Floor feeder
8. Floor fixing with slot for feeder profile
9. Floor feeder
   9a. Base profile
   9b. Cover
10. Floor feeder jointing piece
11. Corner feeder piece
12. Floor feeder adaptor

Cable capacity

Comp.	Max Ø mm	Cross section area mm²	Cable capacity*) mm² 40%	50%	60%	
One-sided post						
1	41	4220	1688	2110	2532	
One-sided post with partition profile						
1	39	1799	720	900	1079	
2	15	1106	442	553	663	
Two-sided post without and with partition profile						
1	41	3747	1499	1874	2248	
2	16	871	348	435	523	
3	39	1799	720	900	1079	

*) We recommend a 40% utilization of the cable capacity.

Design and dimensions



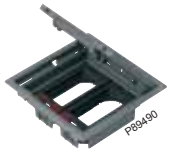
OptiLine 45 Floor boxes
Presentation

A system for power, tele and data links in office flooring

The system consists of floor outlet boxes, floor access boxes, screeded floor boxes and a number of accessories. All products are made of halogen-free material.

The floor outlet boxes are provided with mounting frames for Altira outlets. There are two sizes available of the box; 199x199 mm and 199x276 mm. The smaller size can be equipped with four single or two double outlets. The bigger one is available either for six single or three double outlets or for eight single or four double outlets. The height of the mounting frames is adjustable from 70 to 100 mm in steps of 5 mm. This gives optimal capacity and makes it easy to install DIN-modules and outlets on different levels.

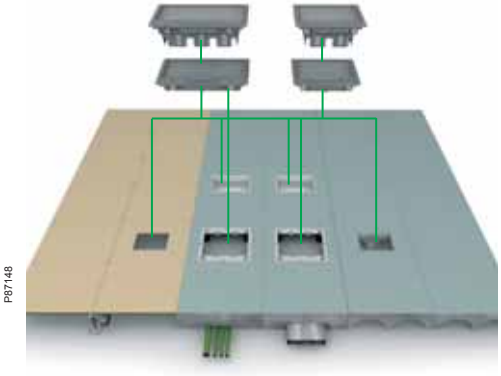
All screeded boxes can be connected to floor trunking or flexible conduits. When using conduits the boxes can be positioned anywhere in the floor.



Four module box
For two double or four single outlets

Six module box
For three double or six single outlets

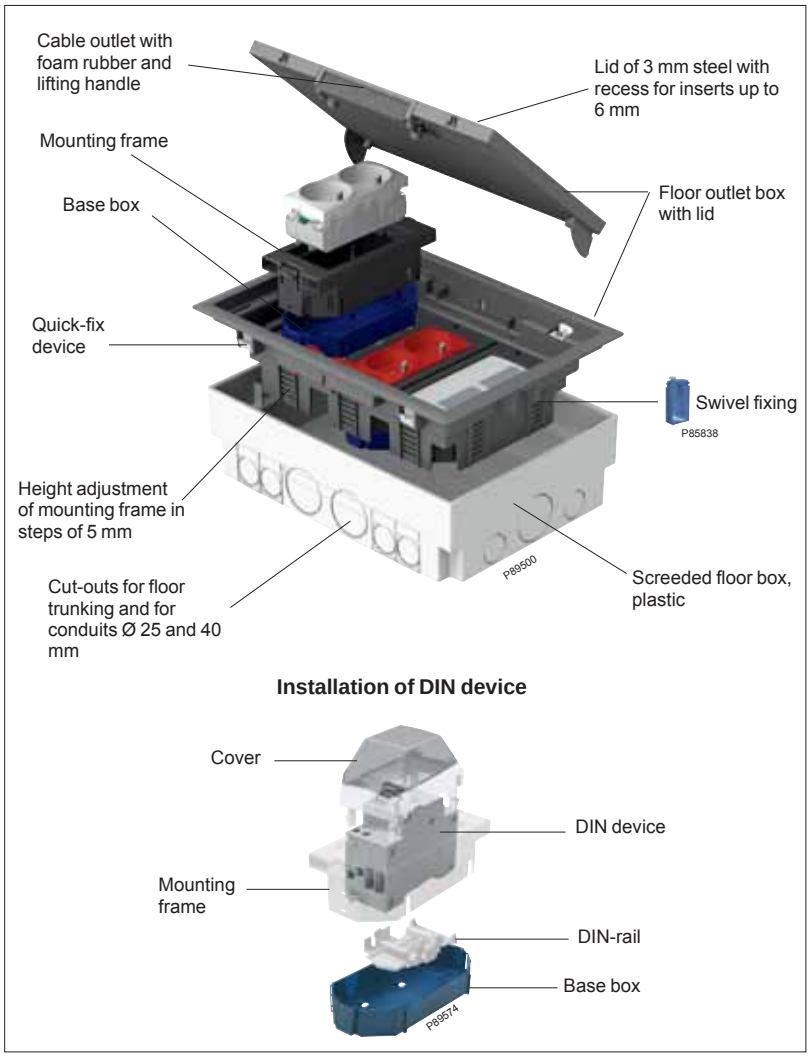
Eight module box
For four double or eight single outlets



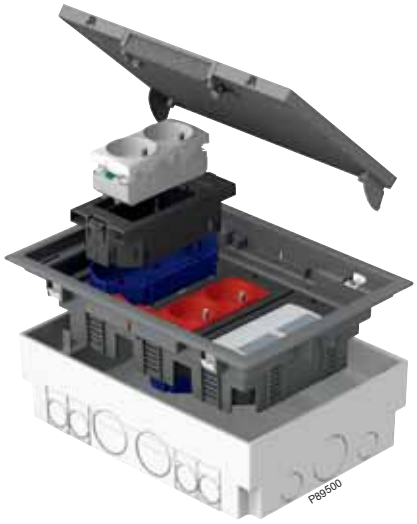
Optiline 45 floor boxes can be installed in all types of floor

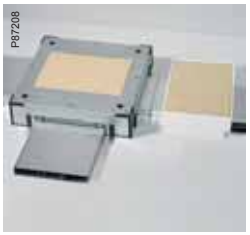
- Raised access floors: Outlet boxes and access boxes are installed straight into the floor
- Screeded floors
  - Screeded boxes in plastic and steel with adjustable height
  - Steel trunking and flexible conduit for connection and embedding
- In-cavity floors: Outlet boxes and access boxes are installed straight into the floor.

Altira 45x45 module wiring devices
OptiLine 45 floor boxes are provided with mounting frames for Altira wiring devices.
Altira offers a broad range of socket outlets, switches, VDI outlets and electronic products.

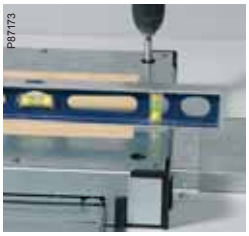


OptiLine 45 Floor boxes
Presentation



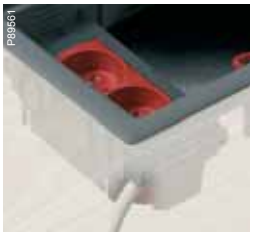


A complete embedded system
- Screeded steel boxes for larger cable capacity
- Screeded plastic boxes for smaller cable capacity
- Both boxes can be connected with floor trunking or flexible conduits
- With flexible conduits the boxes can be positioned anywhere in the floor.



Height adjustment and levelling
- Both plastic and steel screeded boxes have individual levelling and height adjust-ment at all four corners
- Adjustment range
  – Plastic box 75-95 mm
  – Steel box 75-110 mm
- Connection for steel trunking and flexible conduits remains fixed even when height is adjusted.

Base box and partition wall allows mixed installations
- Base box
  – Can be fixed on two levels in the mounting frame
  – Allows mixed installation of power and low voltage
  – Provides IP20 protection
  – DIN-rail snap-in
- Partition wall in mounting frame
  – Allows mixed installation of power and low voltage in the same mounting frame.

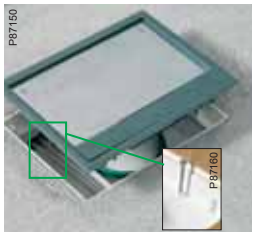


Simple and fast connection in the mounting frame
- Cable inlets in chamfered corners
  – Easy connection
  – The cables are not squeezed
- Cable inlets open downwards
  – The cable can be laid in (no need to draw through)
  – Cables with pre-assembled plugs and outlets can be used
- Fast strain relief
  – Just press to secure cable.

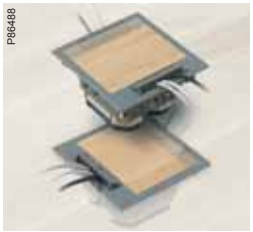
Connection between outlets in different mounting frames
- Cut-outs on the long sides of the mounting frames
  – Simplifies connection with single wires between outlets in different mounting frames.

Individual mounting frame height for optimal capacity
- Adjustable mounting frame height in steps of 5 mm
  – Easy to install DIN-modules
  – Possible to have DIN-modules and outlets on different levels
  – Optimises the capacity
  – Optimises the internal space for cables and plugs
- DIN-modules mounted in base box
  – Fast and secure installation
  – Tool-free installation.

Quick installation of boxes without tools
- Quick-fix fastening
  – Quick installation
  – Fastens in floors >10 mm
  – No tools needed
  – Self-adjusting
- Swivel screw fastening
  – Good complement in e.g. plasterboard.



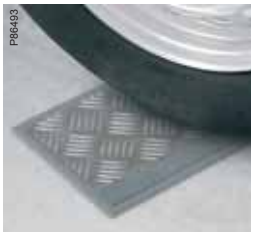
Extra fixation of boxes
- In addition to the quick-fix, the floor outlet box and the access box can be fixed into the plastic screeded box with two screws
- The access box can also be secured against interference with a single screw.



Optional directions for opening and cable exit
- Square box
  – Option for opening and cable exit in four directions
  – The lid can be mounted in two opposite directions
- Rectangular box
  – Option for opening and cable exit in two directions
  – The lid can be mounted in two opposite directions.

Blends with the floor
- Standard carpet insert
  – Available as accessory in durable linoleum
- Any other floor insert
  – Up to 6 mm thick floor insert
  – 3 mm steel plate provides support
  – Discrete impression, blends with present floor.

Self-closing, removable lids
- The lid closes automatically by its own weight
  – Increased safety
  – Reduces accident risk
- Removable lid
  – Remove without tools
  – When bent backwards the lid will be released in stead of breaking.



Hard-wearing and load resistant
- Boxes made of polyamide
  – Hard-wearing
  – Resistant to chemical detergents
  – Resistant to aging
- Load resistant

– Load certified conforming to VDE 0634 Teil 1.

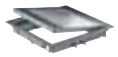
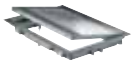
OptiLine 45 Floor boxes
Range

Floor outlet boxes

	Type	Colour	Dimensions A/B/C (mm)	Qty per pack	Ref. No.
	Floor outlet box including mounting frames for Altira outlets, trim frame with four quick-fix devices and lid with cable exit. Also including a plastic bag containing cable holder, partition wall and strain relief devices. The lid can be installed in two positions. It can be fitted with floor material of up to 6 mm thickness or with the lid infill accessory. The mounting frames are snapped into the trim frame. The height of the mounting frames is adjustable from 70 mm to 100 mm, in steps of 5 mm. The floor outlet box is suitable for 45x45 mm single outlets or 45x90 mm double outlets. Material: PA6 with 30% glass pellets, steel. Mounting frame for Altira = PC/ABS, for Unica = PBT.				
P89490	Four module box, with two mounting frames for two double or four single Altira outlets	Grey	72/199/199	1	ISM50624
P89489	Six module box, with three mounting frames for three double or six single Altira outlets	Grey	72/276/199	1	ISM50636
P89488	Eight module box, with two mounting frames for four double or eight single Altira outlets	Grey	72/276/199	1	ISM50638

Floor access boxes

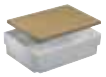
Floor access box including trim frame with four quick-fix devices, two swivel fixings and screw-fixed lid. The lid can be fitted with floor material of up to 6 mm thickness or with the lid infill accessory, the swivel fixings suit raised floors ranging from 23 to 56 mm in thickness. To be used together with screeded floor box of PP or steel in screeded floors.
Material: PA6 with 30% glass pellets, steel.

P85831 	Square	Grey	33/199/199	1	ISM50520
P85832 	Rectangular	Grey	33/276/199	1	ISM50530

Screeded floor boxes

Plastic box

Screeded floor box for embedment in screeded floors from 75 to 95 mm thickness. With cut-outs for floor trunking and conduits
Ø 25 and 40 mm.
Material: PP.

P85833	For square floor outlet and access boxes and up to 150 mm wide floor trunking	Light grey	75-95/188/188	1	ISM50320
P85834 	For rectangular floor outlet and access boxes and up to 200 mm wide floor trunking	Light grey	75-95/188/265	1	ISM50330

Steel box

Screeded floor box including trunking adaptors, for embedment in screeded floors from 75 to 110 mm thickness. Adaptors on all four sides.
Material: Sheet steel.

P85908	For square floor outlet and access boxes and up to 200 mm wide floor trunking	—	75-110/350/350	1	ISM50322
	For rect. floor outlet and access boxes and up to 200 mm wide floor trunking	—	75-110/350/350	1	ISM50332
	For square floor outlet and access boxes and up to 350 mm wide floor trunking	—	75-110/500/500	1	ISM50323
	For rect. floor outlet and access boxes and up to 350 mm wide floor trunking	—	75-110/500/500	1	ISM50333

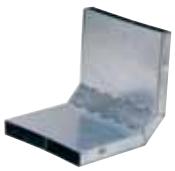
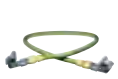
OptiLine 45 Floor boxes
Range

Screeded floor boxes

	Type	Colour	Dimensions A/B/C (mm)	Qty per pack	Ref. No.
	Adaptors for steel box				
	Adaptor with break-out openings for conduits, to be fitted in the screeded floor box. Intended for the connection of 1–4 or 1–6 conduits Ø 25 and 40 mm. Material: Sheet steel, galvanized.				
P65846	For 1–4 conduits Ø 25 or 40 mm	—	83/1.5/252	5	ISM50392
	For 1–6 conduits Ø 25 or 40 mm	—	83/1.5/403	5	ISM50393
	Blank plate to be fitted in the screeded floor box. Material: Sheet steel, galvanized.				
P65847	Blank plate	— —	83/1.5/252 83/1.5/403	5 5	ISM50394 ISM50395

OptiLine 45 Floor boxes
Range

Floor trunking

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Floor trunking with two compartments				
P111057 Floor trunking with two compartments and integrated separation wall, intended for use in screeded floors, in combination with screeded floor boxes of plastic or metal. Available in two heights, 28 and 38 mm. Material: Sheet steel, galvanized.				
150x28 mm	—	28/150/2000	2 m	4260101
150x38 mm	—	38/150/2000	2 m	4260111
200x28 mm	—	28/200/2000	2 m	4260102
200x38 mm	—	38/200/2000	2 m	4260112
Floor trunking with three compartments				
P111058 Floor trunking with three compartments and integrated separation walls, intended for use in screeded floors, in combination with screeded floor boxes of plastic or metal. Available in two heights, 28 and 38 mm. Material: Sheet steel, galvanized.				
250x28 mm	—	28/250/2000	2 m	4260106
250x38 mm	—	38/250/2000	2 m	4260116
350x28 mm	—	28/350/2000	2 m	4260107
350x38 mm	—	38/350/2000	2 m	4260117
Fixation clamp				
P111056 Clamp intended to fix a floor trunking to the concrete floor and to hold the position at the screeded floor-box junction. The clamp suits both 28 mm and 38 mm high trunking, making an adjustment by rotation of the end clips. Material: Sheet steel, galvanized.				
For 150 mm floor trunking	—	30/312/40	1	4260121
For 200 mm floor trunking	—	40/262/30	1	4260122
For 250 mm floor trunking	—	30/312/40	1	4260123
For 350 mm floor trunking	—	30/411/40	1	4260124
Vertical corner with two compartments				
P111059  Vertical corner with two compartments and an integrated separation wall. Intended to guide cables from vertical to horizontal direction. The bend of the corner is chamfered, allowing a proper bending radius of the cables. Material: Sheet steel, galvanized.				
For 150x28 mm trunking	—	201/150/201	1	4260133
For 150x38 mm trunking	—	201/150/201	1	4260140
For 200x28 mm trunking	—	201/200/201	1	4260134
For 200x38 mm trunking	—	201/200/201	1	4260141
Vertical corner with three compartments				
Vertical corner with three compartments and two integrated separation walls. Intended to guide cables from vertical to horizontal direction. The bend of the corner is chamfered, allowing a proper bending radius of the cables. Material: Sheet steel, galvanized.				
For 250x28 mm trunking	—	201/250/201	1	4260138
For 250x38 mm trunking	—	201/250/201	1	4260145
For 350x28 mm trunking	—	201/350/201	1	4260139
For 350x38 mm trunking	—	201/350/201	1	4260146
Earthing kit				
P85796  Kit including earth wire with flat pin connectors and earthing clamps. Intended to provide an earth connection between two metal floor trunking bodies, or other sheet metal products. Material: Spring steel, copper.				
Earthing kit	Yellow/green	L = 200 L = 300	10 10	ISM10953 ISM10954

OptiLine 45 Floor boxes
Range

Accessories

Mounting frame for Altira outlets

Mounting frame for floor outlet box (the 139 mm mounting frame for both floor box sizes, the 216 mm mounting frame only for the rectangular ones). Suitable for single or double Altira outlets. For DIN devices the mounting frame must be combined with the corresponding size of base box.
Material: PC/ABS.

P86846

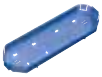
For two single or one double outlet	Anthracite grey	38/64/139	6	ISM50809
For four single or two double outlets	Anthracite grey	38/64/216	4	ISM50810

Base box

Base box to be combined with the mounting frame in order to fulfil IP20 (the 126 mm base box for both floor box sizes, the 203 mm base box only for the rectangular ones). May also be used to mount DIN devices.
Material: PA6.

P85847

P85836

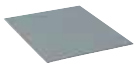


For two single or one double outlet	Blue	23/64/126	10	ISM50800
For four single or two double outlets	Blue	23/64/203	10	ISM50801

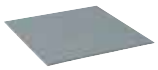
Lid infill, linoleum

Lid infill to be used in the lid of floor outlet boxes or floor access boxes. Provided with self-adhesive tape underneath.
Material: Linoleum.

P85843



P85844



For square boxes	Grey	6/139/167	1	ISM50807
For rectangular boxes	Grey	6/139/245	1	ISM50808

Lid infill, steel

Lid infill to be used in the lid of floor outlet boxes or floor access boxes. Provided with a protective film on the upper suface and a soft rubber layer with self-adhesive tape underneath.
Material: Stainless steel, rubber.

P93897

P93898

For square boxes	–	6/139/167	1	ISM50817
For rectangular boxes	–	6/139/245	1	ISM50818

Modular device kit, Altira

Modular device kit for DIN devices, including DIN-rail and transparent grey cover with white frame. Suitable for one or two 18 mm DIN devices, e.g. miniature circuit breakers. To be used only in combination with mounting frame for Altira outlets and blue base box.
Material: PC+ASA (DIN-rail), PC/ABS and PC (cover with frame).

P92622

Modular device kit, Altira	White	72/45/90	1	ISM50811

Swivel fixing

Swivel fixing to be mounted on each side of the floor outlet and access boxes. To be used in raised floors with a thickness ranging from 23 mm to 56 mm. Intended as a spare part.
Material: PA6, steel.

P85538

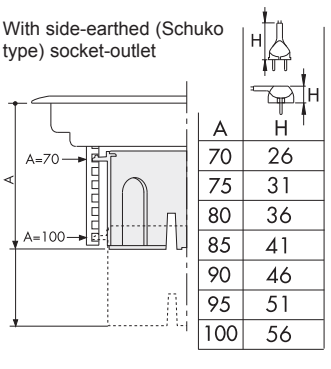
Swivel fixing	Blue	58/12/25	2	ISM50823

OptiLine 45 Floor boxes
Technical description

Dimensions

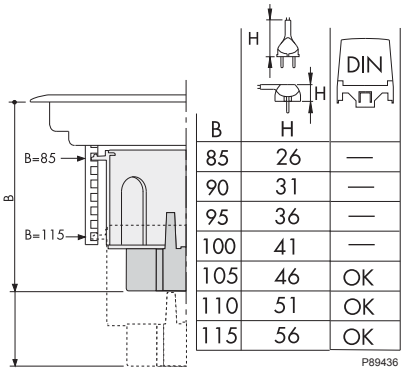
Floor heights

With side-earthed (Schuko type) socket-outlet



A	H
70	26
75	31
80	36
85	41
90	46
95	51
100	56

Without base box

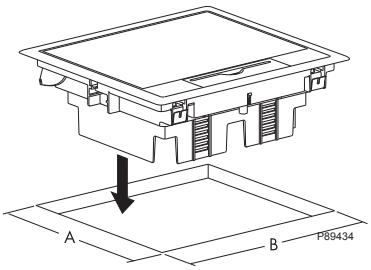


B	H	DIN
85	26	—
90	31	—
95	36	—
100	41	—
105	46	OK
110	51	OK
115	56	OK

With base box

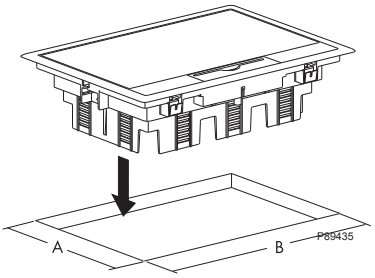
Hole dimensions

Square box



A: 178 ±1
B: 178 ±1

Rectangular box



A: 178 ±1
B: 255 ±1

Cable capacity Floor trunking

Type	A mm²	B mm²	Total mm²
Floor trunking with two compartments	A B		
150x28 mm	1885	1885	3770
150x38 mm	2610	2610	5220
200x28 mm	2535	2535	5070
200x38 mm	3510	3510	7020
Floor trunking with three compartments	A B A		
250x28 mm	1898	2450	6246
250x38 mm	2628	3430	8686
350x28 mm	3198	2450	8846
350x38 mm	4428	3430	12286

OptiLine 45 Floor boxes
Technical description

Technical and Material data Floor boxes

PA6	Density	1.13 g/cm^3
	Linear expansion Floor boxes	70-100x10^{-6} m/m °C
	Fire rating	UL94 V2 (3.2 mm)
	Colour	Blue RAL 5003 Grey RAL 7011
PA6 with 30% glass pellets	Density	1.36 g/cm^3
	Linear expansion	40-70x10^{-6} m/m °C
	Fire rating	UL 94 HB
	Colour	Grey RAL 7011
PBT with 30% glass-fibre	Density	15.2 g/cm^3
	Linear expansion	40-70x10^{-6} m/m °C
	Fire rating	UL 94 HB (1.5 mm)
	Colour	Light grey
PC/ABS	Density	1.14 g/cm^3
	Water absorption	0.6%
	Volume resistivity	>10^{13} Ω cm
	Dielectric strength	19 kV/mm
	Fire rating	UL 94 HB (halogen-free)
	Colour	Anthracite grey
PC+ASA	Density	1.15 g/cm^3
	Linear expansion	80x10^{-6}/°C
	Water absorption	0.6%
	Volume resistivity	>10^{13} Ω cm
	Dielectric strength	17 kV/mm
	Fire rating	UL 94 HB
	Colours	White RAL 9010
PP	Density	0.91 g/cm
	Linear expansion	110x10^{-6} m/m °C
	Fire rating	UL 94 HB (1.5 mm)
	Colour	Light grey
Sheet steel	Specification	S 350 GD
	Density	7.8 g/cm^3
	Surface treatment	Zinc coated
Degree of protection	IP20	
Temperature range	Operating temperature from -25°C to +60°C	
Standards	The products comply with the standards:	
	• IEC 61084-1 : 1991 ed1	
	• IEC 61084-2-2 : 2003	
	The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 93/68/EEC	
Cable capacity	860 mm^2, max. cable Ø 11 mm	

Technical and Material data Floor trunking

Sheet steel	Density	7.8 g/cm3
	Surface treatment	Zinc coated
Impact resistance	IK10	
Degree of protection	IP40	
Standards	The products comply with the standard EN 50085-1	
Temperature range	Operating temperature from –15°C to +60°C	

OptiLine 45 Service boxes
Presentation

Service boxes with 45 mm front opening for direct click-in of Altira wiring devices

OptiLine 45 service boxes provide flexible solutions for the supply of power, telecom and data to desks in offices and conference rooms. The basic boxes can also be used as access points in the ceiling for feeding of poles.

Three box types are included in the offer:

- A six-sided pop-up box, pre-wired with outlets, cable and plug.
- A mini pop-up box, empty for three modules, with strain relief.
- A flip-up box, empty for five modules. For flush-mounting in desks. Fixing elements, earthing cable and strain relief included.
- A turnable and smoothly rounded one-sided box. Pre-wired with outlets, cables and plugs.
- A one-sided basic box, pre-wired with outlets, cables and plugs, pre-defined with outlets, or empty. Terminated or with Wieland interface.

All boxes are made in natural anodised aluminium with a high finish. Many boxes are delivered pre-wired for easy ordering and quick installation.

The pop-up box and the turnable boxes offer unique user advantages in terms of design and accessibility.

Pop-up service box

Mini pop-up service boxes

Flip-up service boxes

Altira 45x45 module wiring devices

The OptiLine 45 range has a front opening for direct click-in of Altira 45x45 module wiring devices which gives optimal function and design.

Altira offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats, timers.

Basic service boxes

Turnable service box

OptiLine 45 Service boxes
Presentation

Flip-up and Pop-up

Pop-up
Large-capacity box, 6-sided. A light touch activates a gas-operated spring that slowly pushes the box up into working position.

Mini pop-up
A manual pop-up box with a smart membrane on top, enabling the box to be pushed down flush with the desk surface also with connected cables and plugs.

Flip-up

Flip-up
Flush-mounted box with a spring-loaded cover that is opened by a light touch. A cable basket is easily mounted under the box.

Turnable

Turnable boxes
Boxes with exclusive finish, made to suit settings with high design requirements. Can be turned around their own axis, to efficiently serve two sides of the desk. With chromium-plated feet to enhance the exclusive feeling.

Surface mounted

Surface mounted boxes for every need
Universal boxes with smart fixing devices. Can be fixed to a desk, to a wall or to cable trays. With Wieland installation couplers for safe and quick power connection, ot terminal interface.

OptiLine 45 Service boxes
Range

Basic service boxes

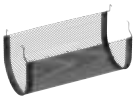
	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Basic service box, empty				
	One-sided service box, empty. Including base profile, stop ends, earthing cable and screws. Material: Aluminium, natural anodized.				
P117867	3 modules	Anodized	60/60/195	1	ISM20420
P117868	4 modules	Anodized	60/60/240	1	ISM20421
P117869	5 modules	Anodized	60/60/285	1	ISM20422
P117870	6 modules	Anodized	60/60/330	1	ISM20423
P117871	8 modules	Anodized	60/60/420	1	ISM20424
	Basic service box, pre-wired, Altira pin-earthed outlets, Wieland interface				
	One-sided service box, pre-wired with various combinations of Altira power sockets, pin-earthed, see below. With Wieland interface. No cables included. Material: Aluminium, natural anodized.				
P117872	4 x standard power sockets	Anodized	62/60/240	1	ISM20430
P117873	5 x standard power sockets	Anodized	62/60/285	1	ISM20431
P117874	4 x standard power sockets, RCD 30 mA, 16A	Anodized	88/60/420	1	ISM20432
P117875	3 x uninterrupted and 3 x standard power sockets	Anodized	62/60/420	1	ISM20433
P117876	4 x uninterrupted power sockets	Anodized	62/60/285	1	ISM20434
	Basic service box, pre-wired, Altira pin-earthed outlets, terminal interface				
	One-sided service box, pre-wired with various combinations of Altira power sockets, pin-earthed, see below. With terminal interface. No cables included. Material: Aluminium, natural anodized.				
P117877	4 x standard power sockets	Anodized	62/60/285	1	ISM20435
P117878	5 x standard power sockets	Anodized	62/60/330	1	ISM20436
P117879	4 x standard power sockets, RCD 30 mA, 16A	Anodized	88/60/420	1	ISM20437
P117880	3 x uninterrupted and 3 x standard power sockets	Anodized	62/60/465	1	ISM20438
P117881	4 x uninterrupted power sockets	Anodized	62/60/285	1	ISM20439

OptiLine 45 Service boxes
Range

Basic service boxes

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Basic service box, pre-wired, Altira pin-earthed outlets, terminal interface				
	One-sided service box, pre-wired with various combinations of Altira power sockets, side-earthed, see below. With terminal interface. No cables included. Material: Aluminium, natural anodized.				
P117887	4 x standard power sockets	Anodized	62/60/285	1	ISM20445
P117888	5 x standard power sockets	Anodized	62/60/330	1	ISM20446
P117889	4 x standard power sockets, RCD 30 mA, 16A	Anodized	88/60/420	1	ISM20447
P117890	3 x uninterrupted and 3 x standard power sockets	Anodized	62/60/465	1	ISM20448
P117891	4 x uninterrupted power sockets	Anodized	62/60/285	1	ISM20449

Desk box with flip lid

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Desk box with flip lid				
P117515	Flush-mounted desk box provided with a flip lid. Empty. To be mounted in a desk-top. Fixing elements, earthing cable, strain relief and mounting instruction included. Unearthed. Thickness of desk-top: 10-40 mm, hole dimensions: 142x295 mm. Material: Aluminium, steel, powder coated.				
	Desk box with flip lid	Grey	105/160/305	1	ISM20410
	Cable basket for desk box with flip lid				
P112321 	Basket for cables, to be mounted under the frame of the flip-lid box, for instance under a desk. Material: Steel.				
	Cable basket	Grey	170/150/265	1	INS40703

Turnable service boxes, pre-wired

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Turnable service box, pre-wired, with Altira pin-earthed outlets				
	One-sided turnable service box with eight Altira standard power sockets, pin-earthed, and various combinations of RJ45 outlets, see below. The box is turnable around its own axis to the desired position. Including feet and six metres of connection cable with plug. The cabling lies protected in a braided sleeve made of polyethylene terepthalate monofilament yarns. Material: Aluminum, anodized.				
P91475	8 x standard power sockets, pin-earthed, 2 x RJ45 Cat. 6 FTP	Anodized	92/130/618	1	ISM20350
P91476	8 x standard power sockets, pin-earthed, 7 x RJ45 + 1 uplink 10/100 Mbps LAN switch	Anodized	92/130/692	1	ISM20352
P91477	8 x standard power sockets, pin-earthed, 7 x RJ45 + 1 uplink 10/100 Mbps LAN switch, 2 x A-V switch (VGA and Audio)	Anodized	92/130/720	1	ISM20354
	8 x standard power sockets, pin-earthed, 7 x RJ45 10/100 Mbps LAN switch, 2 x A-V switch (VGA and Audio)	Anodized	92/130/720	1	ISM20355

OptiLine 45 Service boxes
Range

Pop-up service boxes, pre-wired

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Pop-up service box, pre-wired, with Altira pin-earthed outlets				
P91513 Pop-up function service box, 6-sided, 2-module with Altira pin-earthed standard power outlets, RJ45 and a LAN switch, and six metres of connection cable with plug and a separate data switch (LAN). Including fixing clamp and hooks for excess cables. When inactive, the box lies flush with the desk-top. By a light pressure on the top, a gas spring becomes activated and makes the box pop up from the desk surface. As soon as the box is not in use, it is easily pressed back to the flush level. Material: Aluminum, anodized.				P93042
6 x standard power sockets, pin-earthed, 6 x RJ45 Cat. 6 FTP connected to 7 x RJ45 + 1 uplink 10/100 Mbps LAN switch	Anodized	325/Ø236	1	ISM20340
P101472 Pop-up function service box, 6-sided, 2-module with Altira pin-earthed standard power outlets and six metres of connection cable with plug. Three empty sides for VDI installation. Including fixing clamp and hooks for excess cables. When inactive, the box lies flush with the desk-top. By a light pressure on the top, a gas spring becomes activated and makes the box pop up from the desk surface. As soon as the box is not in use, it is easily pressed back to the flush level. Material: Aluminum, anodized.				
6 x standard power sockets, pin-earthed	Anodized	325/Ø236	1	ISM20341

Manual pop-up service boxes, empty

Pop-up service box, empty				
P117516 Pop-up function desk box, one-sided, manual. Empty for 3 modules. Including earthing cable, strin relief and mounting instruction. When inactive, the box lies flush with the desk-top. By a light pressure on the top, the box can be lifted up from the desk surface. As soon as the box is not in use, it is easily pressed back to the flush level. Ordinary power and data plugs can remain in the outlets also in the flush position, since the cover is provided with a soft rubber membrane that allows the cables to pass. Unearthed. Hole dimension: diam 100 mm. Material: Aluminium, anodized.				
Manual pop-up box, 3-module	Anodized	252/112/-	1	ISM20400
Pop-up function desk box, one-sided, manual. Empty for 4 modules. Including earthing cable, strin relief and mounting instruction. When inactive, the box lies flush with the desk-top. By a light pressure on the top, the box can be lifted up from the desk surface. As soon as the box is not in use, it is easily pressed back to the flush level. Ordinary power and data plugs can remain in the outlets also in the flush position, since the cover is provided with a soft rubber membrane that allows the cables to pass. Unearthed. Hole dimension: diam 100 mm. Material: Aluminum, anodized.				
Manual pop-up box, 4-module	Anodized	297/112/-	1	ISM20401

OptiLine 45 Service boxes
Range

Accessories for basic service boxes

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Accessory kit				
	Accessory kit including mounting profiles, brackets and screws. For the installation of basic service box, snap-fitted and screw-locked, in OptiLine 70 front opening. Material: Aluminium, natural anodized.				
P117892	For 3 modules	Anodized	37/8/195	1	ISM20425
P117893	For 4 modules	Anodized	37/8/240	1	ISM20426
P117894	For 5 modules	Anodized	37/8/285	1	ISM20427
P117895	For 6 modules	Anodized	37/8/330	1	ISM20428
P117896	For 8 modules	Anodized	37/8/420	1	ISM20429
P121475	For 9 modules	Anodized	37/8/465	1	ISM20451
	Connection block				
P117897	Connection block with strain relief, screw and one-module front cover. Material: PC, aluminium.				
	Connection block	—	30/40/75	1	ISM20450
	Power cables				
P112435	Extension cable 1-phase 250/400V 16A with connectors. Cable: halogen-free Ø10.2 mm, S05Z1A7Z1-F3G1.5 3x1.5mm². Connectors: female GST 18i3 and male power connector (combined pin- and side-earth). NOTE: Only to be used for Schneider furniture units! Material: PA, PE/PP, FR.				
	Cable, 2 m	White	Length 2000	1	INS40720
	Cable, 3 m	White	Length 3000	1	INS40721
	Cable, 5 m	White	Length 5000	1	INS40722
	Fixings for Basic box				
P113022	Cable tray fixing, kit including two universal fixings, two cable tray fixings, two screws and two nuts. Can be mounted in three different positions in slots in the box. Material: Steel, zinc plated.				
	Fixing for cable tray	—	42/45/70	2	INS40701
P113021	Universal fixing. Can be mounted in three different positions in slots in the box. Package of two. Material: Steel, zinc plated.				
	Universal fixing	—	5/30/70	2	INS40702
P113020	Wall fixing, to be screw-fitted to the wall. The box is pushed in place on the fixing, can be mounted in three different positions. Also suitable for connection of two boxes. Material: Steel, zinc plated.				
	Wall fixing	—	5/30/195	1	INS40700

OptiLine 45 Service boxes
Range

Accessories for service boxes

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Ceiling cable feeder				
Cable feeder	Anodized White	3200/Ø52	1	ISM20800 ISM20801
Desk lead-through				
Desk lead-through	Grey White	70/Ø80	1	ISM20802 ISM20803
Feeder adaptor				
Adaptor	Grey White	25/Ø58.5	1	ISM20804 ISM20805
Foot adaptor				
Foot adaptor	Grey	145/Ø60	1	ISM20832
Round foot				
Foot, round	Grey	29/Ø317	1	ISM20808
Flexible conduit				
Flexible conduit	Alu metallic White NCS	2000/Ø55	2 m	ISM20806 ISM20807
Flexible conduit	Grey metallic	Ø25/2000	2	ISM50850
Mounting tool				
For Ø25 mm conduit	—	Ø115/36/70	1	ISM50852
Ceiling frame				
Ceiling frame	White RAL 9010	89/Ø161	1	ISM20812
Cable tray fixing				
Cable tray fixing	White RAL 9010	100/15/70	1	ISM20813
Ceiling fixing				
Ceiling fixing	White RAL 9010	50/156/90	1	ISM20816

Cable feeder including base profile with separation wall and cover. Diameter 52 mm. For cable feeding from ceiling to work-desk.
Material: Aluminium, natural anodized or powder coated white RAL 9010.

P90978

Round guide bushing with flange and locking device. For lead-through of ceiling cable feeder through desktop.
Material: Aluminium, powder coated grey RAL 9007 or white RAL 9010.

P90980

Adaptor for ceiling cable feeder. To be used as connection for flexible conduit Ø55 mm.
Material: Aluminium, powder coated grey RAL 9007 or white RAL 9010.

P90977

P119914

Round foot to be fixed to foot adaptor to provide a stable base to the ceiling cable feeder. Fixes to the foot adaptor by means of two M6 bolts (included).
Material: Cast iron, painted.

P86529

Flexible conduit, Ø55 mm, to be used to bring cables from ceiling to cable feeder.
Material: PUR (polyurethane).

P90981

Flexible conduit (split tube), Ø25 mm, to be used for cable feeding from ceiling to service carrier or from floor outlet box to desk top. Cables to be laid by using dedicated mounting tool.
Material: PP.

P85091

Mounting tool for laying of cables in split-tube flexible conduits.
Material: PP.

P85094

Ceiling frame intended to lead flexible conduit through false ceiling. To be mounted in circular hole, Ø125 mm, by using three included clamps. Also including a slotted plastic plate to be used to lock the flexible conduit, which is fixed by cable ties. The plate can also be used as a drill template for entrance hole Ø125 mm.
Material: PC/ABS.

P86527

Cable tray fixing including fixing material, intended to connect flexible conduit to cable tray. Gripping around cable tray.
Material: Steel, powder coated.

P86524

Ceiling fixing intended to connect flexible conduit to ceiling or wall. Fixings not included.
Material: Aluminium, powder coated.

P86526

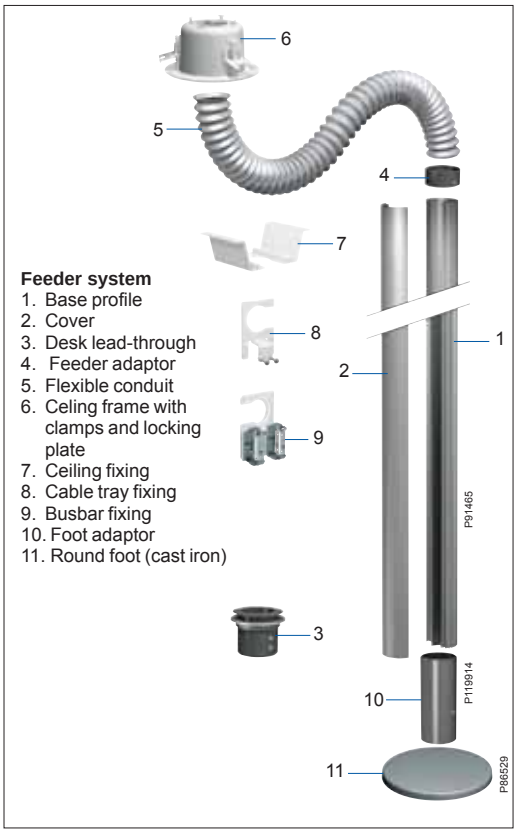
OptiLine 45 Service boxes
Range

Accessories for service boxes

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Busbar fixing				
P94503	Busbar fixing for Ø55 mm conduits, intended to connect flexible conduit to busbar trunking. Material: Steel, powder coated.				
	Busbar fixing	White RAL 9010	105/90/70	1	ISM20815
	Floor grommet				
P103324	Grommet for floor applications, intended to suit a special version of the two-sided service post. Including trim frame with fixing devices, two-part cover and sealing foam for protection from dust and wet floor-cleaning. The cover has the function of a water-tight blank plate when no service post has been installed. When installing a post, the removed part of the cover remains in the grommet, secured by a strap. Hole diameter 127 mm. Material: Zinc, chromium plated.				
	Floor grommet	—	38/Ø147	1	INS40550
	Tube adaptor				
P103325	Two-part tube adaptor for floor grommet. Intended for flexible tubes Ø25 mm. With integrated strain relief of flexible tube. To be used for instance together with flexible tube and a furniture unit. Material: Zinc, chromium plated.				
	Tube adaptor	—	39/64/80	1	INS40551
	Earthing kit				
P85796	Kit including earth wire with flat pin connectors and earthing clamps. To be used to connect the front cover to the base profile.				
	Earthing kit	Yellow/green	L = 200 L = 300	10 10	ISM10953 ISM10954
	Earthing clamp				
P87196	Earthing clamp to be used for bonding of front cover, base profile and accessories to earth. Material: Steel.				
	Earthing clamp	—	9/9/9	20	ISM10952
	Modular device adaptor				
	2-module adaptor for 1-2 modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC+ASA, white or alu metallic.				
P85793	Modular device adaptor	White RAL 9010	90/72/45	1	ISM10907
P87195	Modular device adaptor	Alu metallic	90/72/45	1	ISM10957

OptiLine 45 Service boxes
Technical description

Exploded view



Feeder system
1. Base profile
2. Cover
3. Desk lead-through
4. Feeder adaptor
5. Flexible conduit
6. Celing frame with clamps and locking plate
7. Ceiling fixing
8. Cable tray fixing
9. Busbar fixing
10. Foot adaptor
11. Round foot (cast iron)

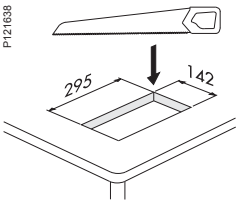
Cable capacity

Comp.	Max Ø mm	Cross section area mm²	Cable capacity*) mm² 40%	50%	60%	
Basic service box						P121635
1	48	2438	975	1219	1463	
Ceiling cable feeder						P93350
1	18	640	256	320	384	
2	24	1046	418	523	628	

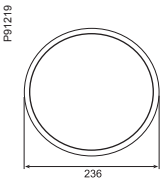
*) We recommend a 40% utilization of the cable capacity.

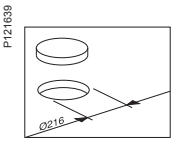
Dimensions

Desk box with flip lid

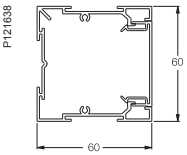


6-sided pop-up box

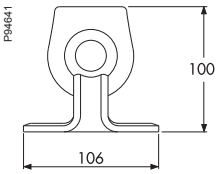




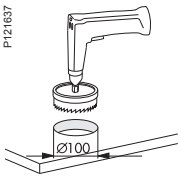
Basic service box



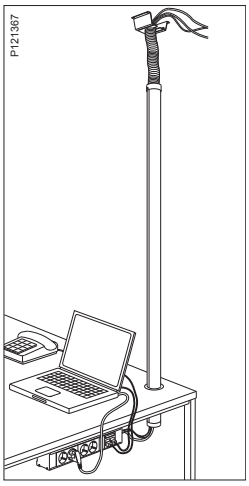
Turnable service box

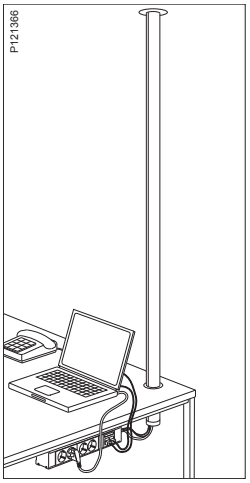


1-sided pop-up box



Examples





OptiLine 45 Service boxes
Technical description

Technical and Material data

Aluminium; service boxes	Specification	EN-AW-6063
	Density	2.7 g/cm^3
	Linear expansion	2.4x10^{-5}/°C
	Surface treatment	Natural anodizing
Aluminium; accessories	Specification	EN-AW-6063
	Density	2.7 g/cm^3
	Linear expansion	2.4x10^{-5}/°C
	Surface treatment	Natural anodizing or powder coating
	Colours	• White RAL 9010 • Grey RAL 9007
Steel	Specification	SS 1142
	Density	7.8 g/cm^3
	Linear expansion	1.2x10^{-5}/°C
	Surface treatment	Powder coating
	Colour	• White RAL 9010 • Aluminium metallic
PUR (polyurethane)	Density	1.2 g/cm^3
	Colour	• White NCS S 0402-B91G • Aluminium metallic
PC/ABS	Density	1.14 g/cm^3
	Linear expansion	70x10^{-6}/°C
	Volume resistivity	>10^{13} Ω cm
	Water absorption	0.6%
	Fire rating	UL 94 HB
	Colour	White RAL 9010
PC+ASA	Density	1.15 g/cm^3
	Linear expansion	80x10^{-6}/°C
	Water absorption	0.6%
	Volume resistivity	>10^{13} Ω cm
	Dielectric strength	17 kV/mm
	Fire rating	UL 94 HB
	Colour	• White RAL 9010 • Aluminium metallic
Degree of protection	IP30	
Temperature range	Operating temperature from -25°C to +60°C	
Standards and certificates	The products comply with the standards: • IEC 1084-1 (Basic service box only) • IEC 1084-2-4 (Basic service box only) • SS 424 10 32: 1989	
	The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 93/68/EEC	
	Please note that certification of OptiLine 45 Turnable Service Box is not yet available	

OptiLine 45
Reference number overview

Ref.No
1003020....92
1005032....92
1149608....92
1220106....92
1772058....92
1788934....92
1789016....92
1789108....92
3782020....92
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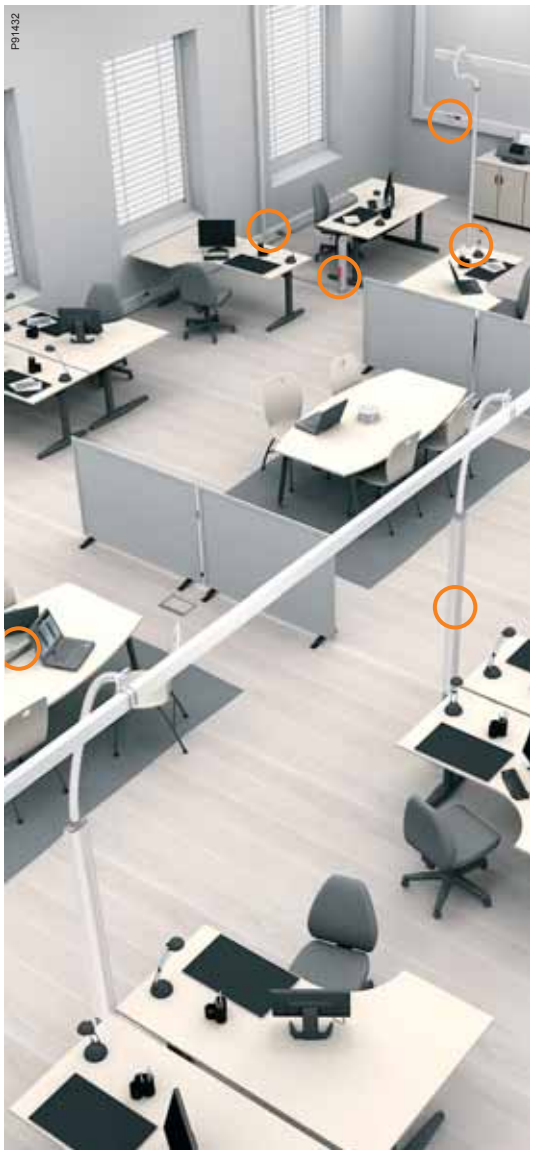
OptiLine 70
The universal Click-in installation system



Electrical, telephone and data installations must be easy to install, safe to use and flexible enough to ensure that changes are easy to make. The design of the visible parts must also set the right tone in the office.

OptiLine 70 universal installation system provide integrated installation solutions for ceilings, walls and desks. Together with Altira wiring devices, solutions are created that fulfil the most stringent demands for function, design, convenience and safety.

Universal click-in installation system

- 70 mm front opening
- Can be fitted with every type of wiring device (45x45, c/c 60 standard wiring devices and modular devices) by means of adaptors.

Environment-friendly

- Only lead-free and cadmium-free PVC is used
- The aluminium range offers a halogen-free alternative, including accessories.

Suitable for all types of wiring devices

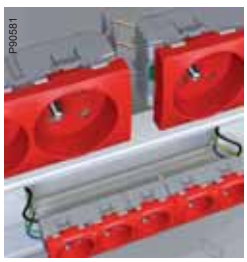
OptiLine 70 can be used together with all types of wiring devices, both c/c 60 and 45x45 modules. Optimal function and design are achieved with Altira wiring devices.

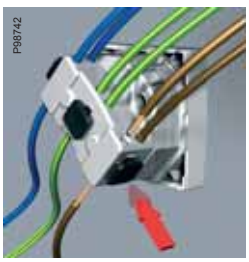
Altira range

Altira offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats and timers.

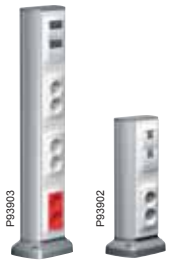
Altira main benefits

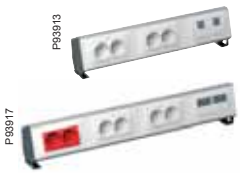
- Optional mounting direction for correct user interface in both trunking, poles and posts
- Connection piece for simple interconnection of double and triple outlets without space between
- 45° terminals. Easy to connect even though the outlets are close together
- Dual input and output terminals. For easy loop-through of additional connections such as earthing of trunking.





OptiLine 70
The universal Click-in installation system





Trunking
A cost-effective installation with high capacity.

The range
Available in PVC or aluminium with one or two compartments. The trunking has a high cable capacity which makes it suitable both for installation and distribution.

Main benefits:
- Easy installation without the need of instructions. Accessories are mounted directly without adaptation
- 55 mm depth. High cable capacity and space behind the wiring devices
- Pre-punched slots in the partition walls of the PVC trunking. Easy to make holes to feed cables between the compartments
- Trunking base and cover packed together, but not assembled. Easy handling
- Extra high cable capacity
- Adaptors with several unique installation benefits.

Poles
The best solution for a truly flexible office. Fed from the ceiling, preferably from connection boxes. Free-standing and movable poles give extra freedom. A pole can be moved within a radius of up to 1.5 metres from the connection point in the ceiling.

The range
Available in aluminium, free-standing or tension-mounted. One or two-sided, or with one or two dedicated installation boxes.

Main benefits:
- Design: Aluminium with a high surface finish. Softly rounded and slender form
- Stable, sturdy design. Several parts are cast
- Movable poles have steady feet. The rectangular foot also allows poles to be installed back-to-back or against a wall
- The adjustable ceiling fixing for tension-mounted poles can be fitted easily without tools. Spring-loaded. Total working range of 400 mm
- Cable separation profile gives the correct spacing between VDI and power cables
- Adaptors with several unique installation benefits.

Posts
For power, telecom and data installations close to workplaces, on raised access floors, on screeded floor boxes in concrete floors or on in-cavity floors. Can also be used with other floors, in which case they are supplied via a floor feeder.

The range
Available in aluminium in one and two-sided versions for two or four two-module wiring device adaptors.

Main benefits:
- Design: Aluminium with a high surface finish. Softly rounded and compact form
- Stable, sturdy design. Several parts are cast
- Accessories for above-floor supply
- Cable separation profile gives the correct spacing between VDI and power cables
- Optimized height for two or four two-module adaptors
- Adaptors with several unique installation benefits.

Service boxes
A flexible alternative for desks in offices and conference rooms. Can be fed from ceiling, wall or floor.

The range
Available in aluminium in three sizes for two-module wiring device adaptors.

Main benefits
- Kits for easy ordering
- Optimized length for two, three or four two-module adaptors
- Combined stop end/desk fixing. Can me mounted on the desk-top or hanging from under it using the same fixing.

OptiLine 70 Trunking
Presentation

Installation trunking with 70 mm front opening for all types of wiring devices

OptiLine 70 installation trunking are made of lead and cadmium-free PVC or aluminium with a 70 mm front opening. All types of wiring devices can be installed by means of adaptors. The adaptors have several unique installation benefits.

The trunking are 55 mm deep, which gives a high cable capacity and space for cables behind the wiring devices. OptiLine 70 is also very suitable as a feeder trunking.

One of the main advantages is the easy installation. The design is symmetrical and all accessories are click-in mounted without adaptations. It is also very easy to create cross-sectional feeding of the cables in the PVC trunking thanks to the pre-punched slots in the partition walls. Also the handling is easy. The trunking base and cover are packed together, but not assembled.

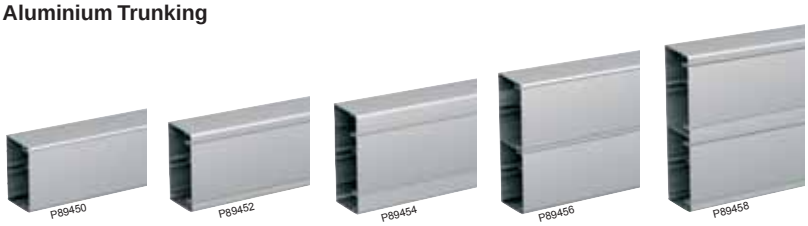
All OptiLine 70 products are designed to match Altira wiring devices in terms of colour, finish and design.

Dedicated installation fixings give a very reliable installation.

PVC Trunking

80x55	95x55	120x55	155x55	185x55
With one compartment	With one compartment	With one compartment	With two compartments	With two compartments

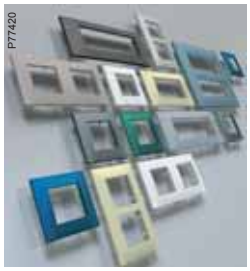
Aluminium Trunking



80x55	95x55	120x55	155x55	185x55
With one compartment	With one compartment	With one compartment	With two compartments	With two compartments

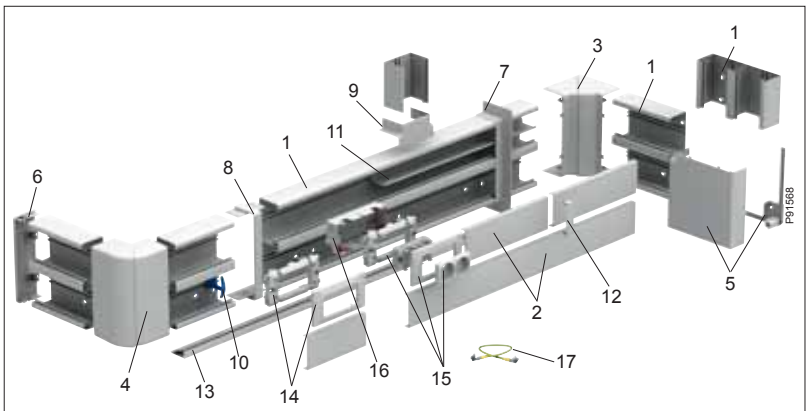
OptiLine 70 handles all types of wiring devices
OptiLine 70 is a universal trunking which can be fitted with any type of wiring device (45x45 modules, c/c 60 and modular devices).

Altira 45x45 module wiring devices
Optimal function and design are achieved with Altira wiring devices. Altira offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats and timers.



Altira c/c 60 coloured front plates for walls can be mounted in the trunking by using OptiLine 45x45 adaptors, to match wall installation.

The complete trunking system



1. Trunking base
2. Front cover
3. Internal corner
4. External corner
5. Bend 90°, incl. wall fixing
6. Stop end
7. Wall/ceiling frame
8. Joint cover piece incl. jointing pieces
9. T-piece
10. Cable retainer
11. Cable shelf
12. Joint cover piece for front cover
13. Sealing strip
14. Adaptor with front plate
15. Outlet kit Altira (adaptor, front plate, outlet)
16. Installation box for adaptor
17. Earthing kit (for Alu trunking)

OptiLine 70 Trunking
Presentation

Click-in accessories
All accessories are designed for easy click-in mounting without tools.
- Easy installation without instructions
- Mounted directly without adaptations
- Mounted when trunking is in place.

Adjustable corners
The adjustable corners are delivered in one piece.
- Easy and quick to mount
- No adaptations needed.

Pre-punched slots for easy hole making
Pre-punched slots in the PVC partition walls.
- Easy hole making by hand or with a screwdriver
- Allows cross-sectional feeding of cables.

Symmetrical design
The trunking base is symmetrical and has a softly rounded shape.
- Easy and safe mounting
- No risk of installing the trunking upside-down
- The trunking shape guides the accessories in place.

Efficient mounting support
The trunking profiles are prepared for fast, exact and reliable installation.
- Pre-punched oval holes every 25 cm
- Easy to make X and Y adjustments.

Professional tools and fixings
Dedicated tools and fixings for fast and safe installation.
- Extra long drills and bits to avoid damaging the front when using a drilling machine
- Fixings suitable for any material
- Screws for PVC trunking
- Screws to be used together with single-insulated wires.

Perfect joints
Two jointing pieces for exact levelling and a click-in joint cover piece to hide the gap.
- Perfect joints
- No tools needed
- Joint cover piece in one piece
- The jointing pieces can also be used for joints without joint cover piece.

Perfect bends
The bend kit includes an adjustable fixing device to be screw-fitted to the wall.
- Large tolerances when cutting and fixing the trunking
- Self-guiding mounting of the bend piece
- Perfect result and finish.

The cable retainer – a helping hand
The cable retainer keeps all the cables in place in the trunking during the installation.
- Faster installation
- One man can do the work
- Blue colour for quick identification
- Can remain in place also after the installation.

Secure front cover
Reliable click-in function.
High-quality material.
- Easy to mount also when kneeling
- Works reliably even at low temperatures
- Can not be opened without a tool
- IP40 classified.

Dust protection
A sealing strip can be fitted between the trunking and the floor.
- 5-15 mm coverage
- Easy cleaning
- Solid impression.

Protective foil
Protective foil on both sides of the trunking base and on the front cover. The main product references including pictures are printed on the foil.
- No surface damages during the installation
- Easy to order accessories.

Smart package
The trunking base and front covers are packed together, but not assembled.
- Easy handling
- No damages. The covers are protected until final installation.

OptiLine 70 Trunking
Presentation

Two-compartment trunking
Suitable for all types of installations of power and VDI.
- Good separation of VDI and power cables
- High cable capacity. The adaptors can be used without installation box
- The cable retainer can be used in both compartments.

One-compartment trunking
Especially suitable as a feeder of power or VDI.
- High cable capacity together with the cable retainer
- When combining power and VDI cables, use a cable shelf or an adaptor with box for separation.

55 mm depth
All trunking are 55 mm deep.
- High cable capacity
- Space enough for 5x1.5 mm^2 or 5x2.5 mm^2

cable for three phase distribution behind the wiring devices mounted in the adaptors.

High classification
The trunking is IP40 and IK07 classified.
- Safe and impact resistant
- Can not be opened without a tool.

The PVC trunking is fire classified in category M1.

Easy earthing of aluminium trunking
The aluminium trunking base and front cover has easily accessible earthing rails. A pre-mounted earthing kit is available on one reference number.
- Easy to order
- Quick and easy to mount
- Screwless mounting.

70 mm front opening
All OptiLine 70 trunking have a 70 mm front opening.
- One front opening for all wiring devices (45 modules, c/c 60 and modular devices) together with adaptors
- No visible gap between the front plates of c/c 60 wiring devices and the front opening
- Allows a rigid design of the adaptors for 45 modules
- Allows three modular devices to be mounted in the trunking.

OptiLine 70 and Altira - homogenous design in the whole room
All OptiLine 70 products are designed to match Altira wiring devices in terms of colour, gloss and design.
- Altira c/c 60 white front plates for walls can be combined with OptiLine white front plates in the same trunking
- Altira c/c 60 coloured front plates for walls can be mounted in the trunking by using OptiLine 45x45 adaptors, to match wall installation.

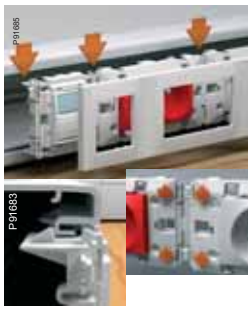
OptiLine 70 Trunking
Presentation

OptiLine 70 handles all types of wiring devices
Five trunking sizes, three can be used for all types of wiring devices.
- 45x45 modules: Can be used in all sizes
- c/c 60: Can be used in 95x55, 120x55 and 185x55.

Kits for easy ordering
Altira socket outlet kits available on one reference number.
- Easy ordering
- Three kits for normal power (white)
- Three kits for data power (red).

Adaptors for 45x45 modules
Full range of adaptors.
- Three sizes: 1, 2 and 3 modules
- The reference number includes both adaptor and front plate.

Adaptors with a recess for front cover
The wiring-device adaptors have a recess for the front cover.
- Nice installation. The cut edge of the front cover is concealed
- Secures IP40.

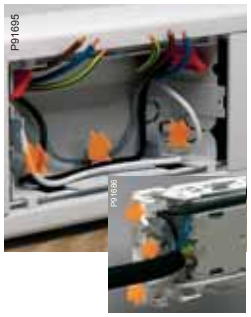


Adaptors with secure click-in interface
All adaptors have secure click-in interfaces.
- No gap between the front plates of the wiring devices. Secures IP40 and gives a nice result
- Several adaptors can be snapped together for a mixed power and VDI installation
- High pull-out loads on the wiring devices.

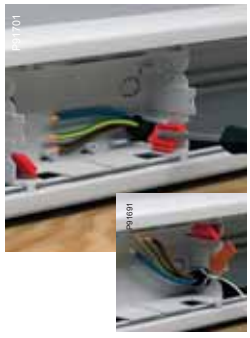
Modular device adaptor
The range includes a three-module modular device adaptor.
- Increased possibilities when planning the installation
- Decentralised protection architecture
- Energy bus distribution
- Easy to use other Merlin Gerin products such as RCBs, timers, etc.
- Support for KNX actors.

All adaptors have a box interface
All adaptors have an interface for click-in connection of an installation box.
- Easy to create separation between power and VDI
- The box can also be used for strain relief of cables.

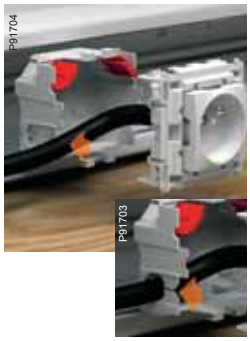
Adaptor with built-in 71 mm distance
The c/c 60 adaptor has a safe click-in interface securing 71 mm distance between the outlets. Screw options in four directions.
- Standard front plates for wall mounting can be used also in OptiLine 70 products
- Correct user interface in both horizontal and vertical applications.



Boxes and adaptors with many interfaces
All boxes and 2 and 3 module adaptors have interfaces for snap-mounting of terminal blocks and earth terminals.
- Easy to create loop-through when using 3-phase distribution
- Easy to terminate the shield when using shielded cables.



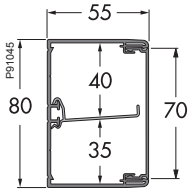
Boxes with built-in safety
All installation boxes have push-down strain relief and an interface for cable ties.
- Easy strain relief. Just press down with a screwdriver
- Easy strain relief using a cable tie if the cable is laid in via the slotted entry.



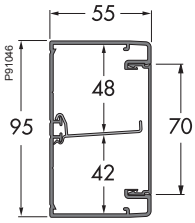
Boxes with slotted entries
All installation boxes have slotted cable entries.
- Fast installation of pre-wired outlets
- Easy to add a box in post-installations
- Easy strain relief using cable ties.

OptiLine 70 Trunking
Dimensions

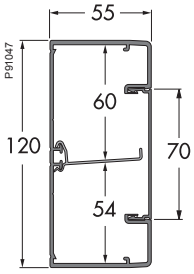
PVC Trunking



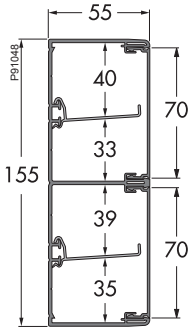
80×55



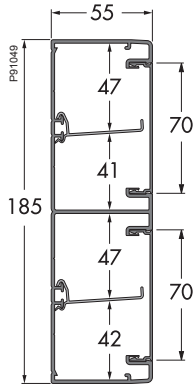
95×55



120×55

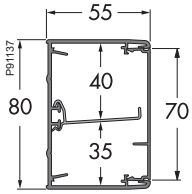


155×55

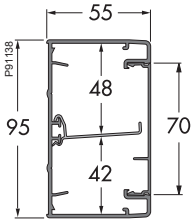


185×55

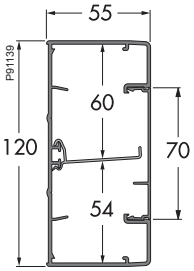
Aluminium Trunking



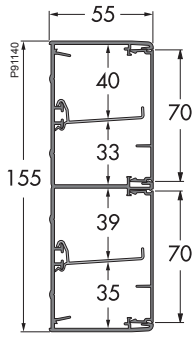
80×55



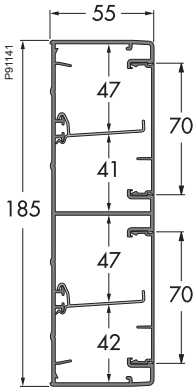
95×55



120×55



155×55



185×55

OptiLine 70 Trunking
Cable capacity

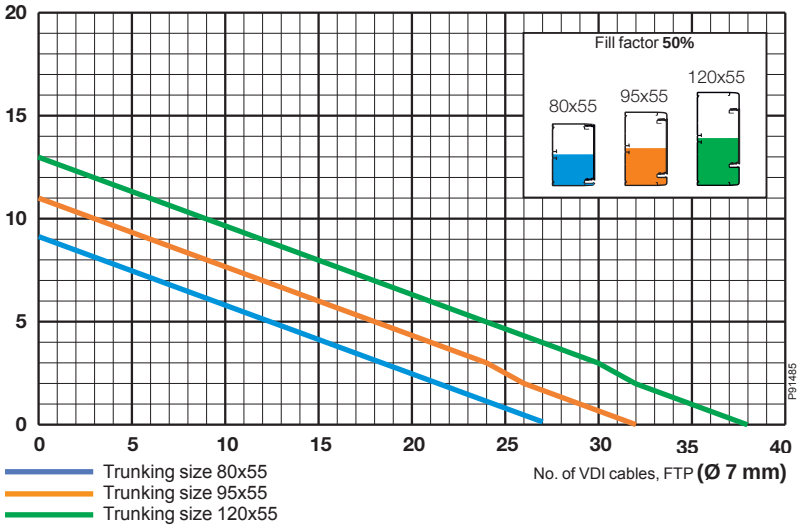
P93083

80x55, 95x55 and 120x55 without outlets

If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

Trunking size	Fill factor 100% Inner area	Fill factor 50% Inner area
	3758 mm²	1879 mm²
	4528 mm²	2264 mm²
	5782 mm²	2891 mm²

No. of power cables, 3x2.5 mm² **(Ø 12 mm)**



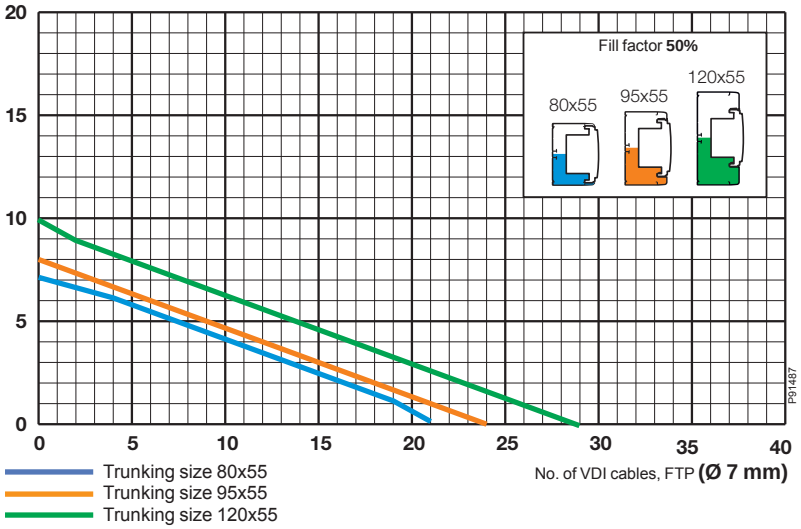
P94653

80x55, 95x55 and 120x55 with Altira outlets

If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

Trunking size	Fill factor 100% Inner area	Fill factor 50% Inner area
	2340 mm²	1170 mm²
	3109 mm²	1555 mm²
	4363 mm²	2182 mm²

No. of power cables, 3x2.5 mm² **(Ø 12 mm)**



A more detailed calculation can be made in the OptiLine system specification tool.

OptiLine 70 Trunking
Cable capacity

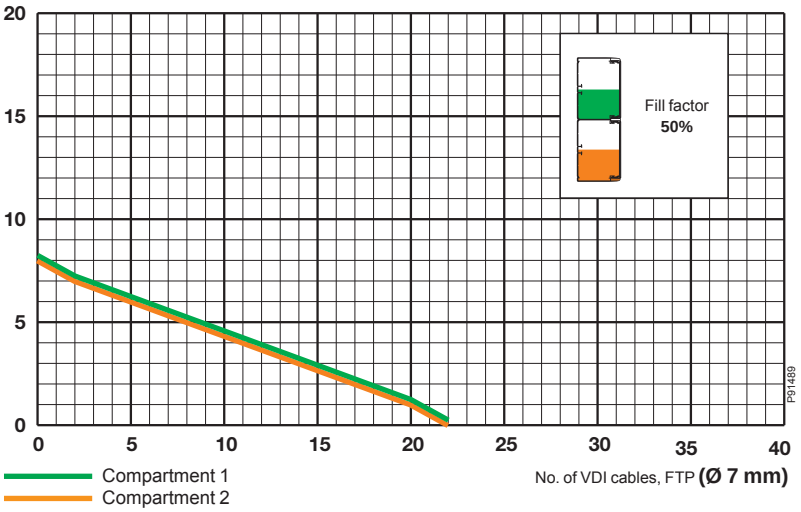
P93063

155x55 without outlets

If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

Compartment	Fill factor 100% Inner area	Fill factor 50% Inner area
	3671 mm²	1836 mm²
	3671 mm²	1836 mm²

No. of power cables, 3x2.5 mm² **(Ø 12 mm)**



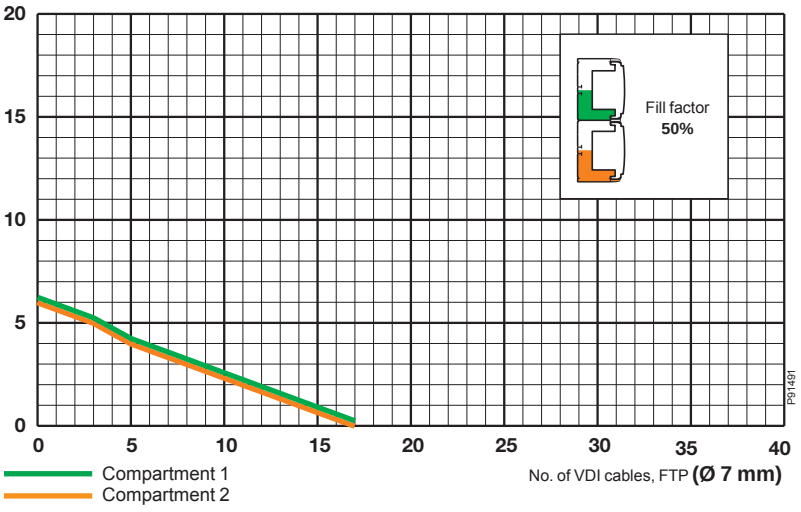
P94651

155x55 with Altira outlets

If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

Compartment	Fill factor 100% Inner area	Fill factor 50% Inner area
	2253 mm²	1127 mm²
	2253 mm²	1127 mm²

No. of power cables, 3x2.5 mm² **(Ø 12 mm)**



A more detailed calculation can be made in the OptiLine system specification tool.

OptiLine 70 Trunking
Cable capacity

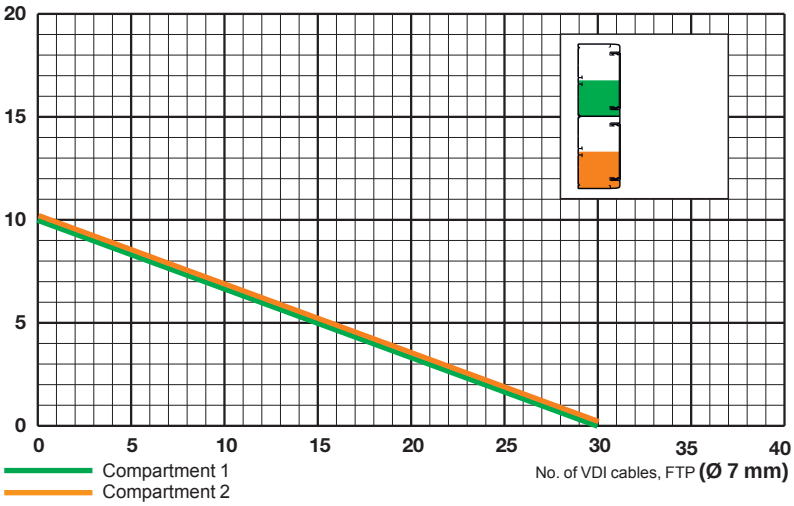
P93061

185x55 without outlets

If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

Compartment	Fill factor 100% Inner area	Fill factor 50% Inner area
	4407 mm²	2204 mm²
	4407 mm²	2204 mm²

No. of power cables, 3x2.5 mm² **(Ø 12 mm)**



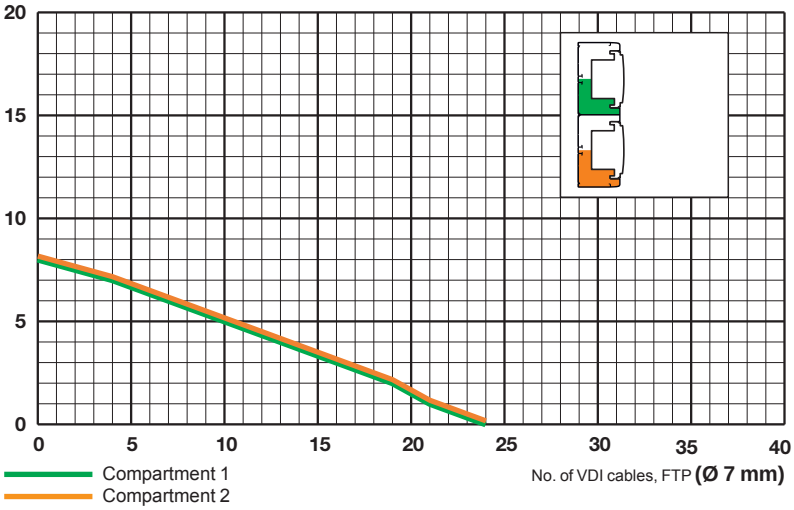
P94652

185x55 with Altira outlets

If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

Compartment	Fill factor 100% Inner area	Fill factor 50% Inner area
	2989 mm²	1495 mm²
	2989 mm²	1495 mm²

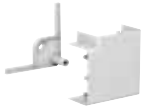
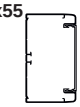
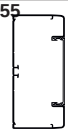
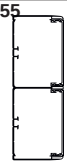
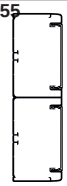
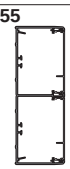
No. of power cables, 3x2.5 mm² **(Ø 12 mm)**



A more detailed calculation can be made in the OptiLine system specification tool.

OptiLine 70 Trunking
Choice guide

Trunking and accessories

Trunking size	Trunking incl. separate front cover		Internal corner		External corner		 Bend 90°, kit		Stop end		Wall/ceiling frame	
	Ref. No.	Qty per pack	Ref. No	Qty per pack	Ref. No.	Qty per pack	Ref. No.	Qty per pack	Ref. No.	Qty per pack	Ref. No.	Qty per pack
PVC												
80x55 P89411	ISM11100	12 m	ISM11101	1	ISM11102	1	ISM11103	1	ISM11104	2	ISM11105	1
95x55  P89412	ISM11200	12 m	ISM11201	1	ISM11202	1	ISM11203	1	ISM10204	2	ISM11205	1
120x55  P89413	ISM11300	12 m	ISM11301	1	ISM11302	1	ISM11303	1	ISM11304	2	ISM11305	1
155x55  P89414	ISM11400	8 m	ISM11401	1	ISM11402	1	ISM11403	1	ISM11404	2	ISM11405	1
185x55  P89415	ISM11500	8 m	ISM11501	1	ISM11502	1	ISM11503	1	ISM10504	2	ISM11505	1
Aluminium												
80x55 P92720	ISM11150	6 m	ISM11151	1	ISM11152	1	ISM11153	1	ISM11154	2	ISM11155	1
95x55 P92721	ISM11250	6 m	ISM11251	1	ISM11252	1	ISM11253	1	ISM11254	2	ISM11255	1
120x55 P92722	ISM11350	6 m	ISM11351	1	ISM11352	1	ISM11353	1	ISM11354	2	ISM11355	1
155x55  P92723	ISM11450	4 m	ISM11451	1	ISM11452	1	ISM11453	1	ISM11454	2	ISM11455	1
185x55 P92724	ISM11550	4 m	ISM11551	1	ISM11552	1	ISM11553	1	ISM10554	2	ISM11555	1

	Joint cover piece, kit incl. jointing pieces		T-piece		Front cover PVC		Front cover Alu		Joint cover piece for front cover		Jointing piece, internal	
	Ref. No.	**Qty per pack**	**Ref. No**	**Qty per pack**	**Ref. No.**	**Qty per pack**	**Ref. No.**	**Qty per pack**	**Ref. No.**	**Qty per pack**	**Ref. No.**	**Qty per pack**
	ISM11106	1	ISM11107	1	ISM11900	24 m			ISM11903	5	ISM11904	10
	ISM11206	1	ISM11107 ISM11208	1	ISM11900	24 m			ISM11903	5	ISM11904	10
	ISM11306	1	ISM11107 ISM11208	1	ISM11900	24 m			ISM11903	5	ISM11904	10
	ISM11406	1	ISM11107 ISM11208	1	ISM11900	24 m			ISM11903	5	ISM11904	10
	ISM11506	1	ISM11107 ISM11208	1	ISM11900	24 m			ISM11903	5	ISM11904	10
	ISM11156	1	ISM11157	1	–	–	ISM11950	24 m	ISM11951	5	ISM11904	10
	ISM11256	1	ISM11157 ISM11258	1	–	–	ISM11950	24 m	ISM11951	5	ISM11904	10
	ISM11356	1	ISM11157 ISM11258	1	–	–	ISM11950	24 m	ISM11951	5	ISM11904	10
	ISM11456	1	ISM11157 ISM11258	1	–	–	ISM11950	24 m	ISM11951	5	ISM11904	10
	ISM11556	1	ISM11157 ISM11258	1	–	–	ISM11950	24 m	ISM11951	5	ISM11904	10

OptiLine 70 Trunking
Range

PVC trunking

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Installation trunking with one compartment				
	Installation trunking including one-compartment trunking base and front cover. The trunking base has pre-punched mounting holes every 25th cm and can be provided with cable shelves. The 70 mm front opening allows wiring devices to be mounted by using adaptors. Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m. Material: PVC.				
P89106	For 45x45 module wiring devices and modular devices	White RAL 9010	80/55/2000	12 m	ISM11100
P89108	For 45x45 module wiring devices, modular devices and c/c 60 wiring devices	White RAL 9010	95/55/2000	12 m	ISM11200
P89110	For 45x45 module wiring devices, modular devices and c/c 60 wiring devices	White RAL 9010	120/55/2000	12 m	ISM11300
	Installation trunking with two compartments				
	Installation trunking including two-compartment trunking base and two front covers. The trunking base has pre-punched mounting holes every 25th cm and can be provided with cable shelves. The integrated partition wall has pre-punched slots every 25th cm to facilitate cable laying. The 70 mm front opening allows wiring devices to be mounted by using adaptors. Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m. Material: PVC.				
P89114	For 45x45 module wiring devices and modular devices	White RAL 9010	155/55/2000	8 m	ISM11400
P89112	For 45x45 module wiring devices, modular devices and c/c 60 wiring devices	White RAL 9010	185/55/2000	8 m	ISM11500

Accessories for PVC trunking

	Internal corner				
	Adjustable internal corner for an 80–100 degree angling of PVC trunking. Material: PC/ABS.				
P89174	For trunking 80x55	White RAL 9010	89/117/117	1	ISM11101
	For trunking 95x55	White RAL 9010	104/117/117	1	ISM11201
	For trunking 120x55	White RAL 9010	129/117/117	1	ISM11301
	For trunking 155x55	White RAL 9010	164/117/117	1	ISM11401
	For trunking 185x55	White RAL 9010	194/117/117	1	ISM11501
	External corner				
	Adjustable external corner for a 75–135 degree angling of PVC trunking. Material: PC/ABS.				
P89175	For trunking 80x55	White RAL 9010	89/105/105	1	ISM11102
	For trunking 95x55	White RAL 9010	104/105/105	1	ISM11202
	For trunking 120x55	White RAL 9010	129/105/105	1	ISM11302
	For trunking 155x55	White RAL 9010	164/105/105	1	ISM11402
	For trunking 185x55	White RAL 9010	194/105/105	1	ISM11502

OptiLine 70 Trunking
Range

Accessories for PVC trunking

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Bend, 90°, kit				
90 degree bend kit for angling upwards and downwards of PVC trunking. Including bend piece and fixing device to be screw-fitted to the wall. Material: PC/ABS.				
For trunking 80x55	White RAL 9010	107/57/107	1	ISM11103
For trunking 95x55	White RAL 9010	122/57/122	1	ISM11203
For trunking 120x55	White RAL 9010	147/57/147	1	ISM11303
For trunking 155x55	White RAL 9010	182/57/182	1	ISM11403
For trunking 185x55	White RAL 9010	212/57/212	1	ISM11503
Stop end				
Stop end for PVC trunking. Fast fitting with locking clips. Screw-fixing possible for extra security. Material: PC/ABS.				
For trunking 80x55	White RAL 9010	84/56/21	2	ISM11104
For trunking 95x55	White RAL 9010	99/56/21	2	ISM10204
For trunking 120x55	White RAL 9010	124/56/21	2	ISM11304
For trunking 155x55	White RAL 9010	159/56/21	2	ISM11404
For trunking 185x55	White RAL 9010	189/56/21	2	ISM10504
Wall/ceiling frame				
Wall/Ceiling frame to be fitted around a PVC trunking at wall or ceiling passage. Easily modified to C or L-profile depending on how the passage is made. Snap-fitted, with a screw-fixing option for high security. Material: PC/ABS.				
For trunking 80x55	White RAL 9010	135/82/22	1	ISM11105
For trunking 95x55	White RAL 9010	150/82/22	1	ISM11205
For trunking 120x55	White RAL 9010	175/82/22	1	ISM11305
For trunking 155x55	White RAL 9010	210/82/22	1	ISM11405
For trunking 185x55	White RAL 9010	240/82/22	1	ISM11505
Joint cover piece, kit				
Joint cover piece, supplied and mounted together with two jointing pieces. Intended to cover joints between two PVC trunking sections. Easy to remove in case of an upgrading of the installation. Material: PC/ABS.				
For trunking 80x55	White RAL 9010	85/57/100	1	ISM11106
For trunking 95x55	White RAL 9010	100/57/100	1	ISM11206
For trunking 120x55	White RAL 9010	125/57/100	1	ISM11306
For trunking 155x55	White RAL 9010	160/57/100	1	ISM11406
For trunking 185x55	White RAL 9010	190/57/100	1	ISM11506

P89176

P89177

P89178

P89179

OptiLine 70 Trunking
Range

Accessories for PVC trunking

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	T-piece				
P89180	T-piece intended to connect a vertical to a horizontal PVC trunking. Material: PC/ABS.				
	For vertical trunking 80x55 and horizontal trunking 80x55, 95x55, 120x55, 155x55 and 185x55	White RAL 9010	52/57/102	1	ISM11107
	For vertical trunking 95x55 and horizontal trunking 95x55, 120x55, 155x55 and 185x55	White RAL 9010	52/57/117	1	ISM11208
	Front cover				
P89181	Front cover to be snap-fitted in trunking with a 70 mm front opening. Supplied with protective foil, in lengths of 2 m. Material: PVC				
	Front cover	White RAL 9010	71/13/2000	24 m	ISM11900
	Cable retainer				
P89183	Cable retainer to be mounted at the back of the trunking base to keep cables in place during the installation phase. Also providing increased cable capacity when used in a one-compartment trunking. No need to remove the retainer when fitting the front cover. Material: PA.				
	Cable retainer	Blue	42/48/25	5	ISM11901
	Cable shelf				
P85788	Single cable shelf to be mounted in the trunking base, providing separation between power and low voltage cables. Supplied in lengths of 1 m. Material: PVC.				
	Cable shelf	White RAL 9010	17/47/1000	24 m	ISM10902
	Joint cover piece for front cover				
P91615	Joint cover piece intended to cover joints between two PVC front covers. Material: PC/ABS.				
	Joint cover piece for front cover	White RAL 9010	71/24/23	5	ISM11903
	Jointing piece				
P89184	Internal jointing piece intended to facilitate jointing of two PVC or aluminium trunking bases. May also be used to mount the joint cover piece. Material: PC/ABS.				
	Jointing piece	White RAL 9010	4/39/100	10	ISM11904
	Sealing strip				
P85791	Sealing strip to be fitted between trunking and floor for a 10-15 mm coverage. Supplied in lengths of 2 m. Material: PVC.				
	Sealing strip	White RAL 9010	17/40/2000	24 m	ISM10905
	Adaptor for 45x45 module wiring devices, Altira				
	Adaptor including front plate. Suitable for 45x45 module wiring devices, type Altira and similar. Terminal blocks and earth terminals can be snap-fitted in the two-module and three-module sizes. To be combined with installation box in applications requiring strain relief of cables or extra insulation. Altira front plate for wall applications can be snap-fitted in the adaptor. To avoid gaps between wiring devices the adaptors can be snapped into one another. Material: PC/ABS.				
P91590	For one 45x45 module wiring device	White RAL 9010	73/35/71	1	ISM15100
P91591	For two 45x45 module wiring devices	White RAL 9010	73/35/140	1	ISM15101
P91592	For three 45x45 module wiring devices	White RAL 9010	73/35/185	1	ISM15102

OptiLine 70 Trunking
Range

Accessories for PVC trunking

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Adaptor for 45x45 module wiring devices, Unica				
	Adaptor including front plate. Suitable for 45x45 module wiring devices, type Unica. Terminal blocks and earth terminals can be snap-fitted in the two-module and three-module sizes. To be combined with installation box in applications requiring strain relief of cables or extra insulation. To avoid gaps between wiring devices the adaptors can be snapped into one another. Material: PC/ABS (front plate), PBT (adaptor).				
P92212	For one 45x45 module wiring device	White RAL 9010	73/28/71	1	ISM15200
P92197	For two 45x45 module wiring devices	White RAL 9010	73/28/140	1	ISM15201
P92198	For three 45x45 module wiring devices	White RAL 9010	73/28/185	1	ISM15202
	Adaptor for c/c 60 wiring devices				
P91589	Adaptor including two screws. Suitable for one c/c 60 mm wiring device. With screw options in four different directions, securing the correct orientation in both vertical and horizontal mounting. To be combined with installation box in applications requiring strain relief of cables or extra insulation. In order to avoid gaps between wiring devices and to secure c/c 71 mm between the outlets, thus allowing front plates from wall applications to be used, the adaptors can be snapped into one another. Material: PC/ABS.				
	Adaptor, c/c 60	White	71/24/71	1	ISM15003
	Installation box for adaptors				
	Installation box to be snap-mounted to an adaptor. The box has a built-in screwless strain relief and an interface that allows snap-fitting of terminal blocks and earth terminals, as well as cable-tie strain relieving. Slots in the box allow pre-wired wiring devices to slide in. Material: PC/ABS.				
P91593	Box for one-module Altira/ Unica adaptor or c/c 60 mm wiring device adaptor	White	71/42/71	1	ISM15010
P91594	Box for two-module Altira/ Unica adaptor	White	71/42/140	1	ISM15011
P91595	Box for three-module Altira/ Unica adaptor	White	71/42/185	1	ISM15012
	Modular device adaptor, two-module, Unica				
P92613	Adaptor, two-module, for modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC/ABS (front plate), PBT (adaptor), PC+ASA (DIN-module), metal rail.				
	For 1-2 modular devices	White RAL 9010	73/80/140	1	ISM15000
	Modular device adaptor, three-module, Altira				
P91617	Adaptor, three-module, for modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC/ABS.				
	For 1-3 modular devices	White RAL 9010	73/94/185	1	ISM15001

OptiLine 70 Trunking
Range

Accessories for PVC trunking

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Outlet kit, Altira, pin-earthed				
	Outlet kit including adaptor, front plate and single, double or triple Altira outlet, pin-earthed, with push-in terminals. To be combined with installation box in applications requiring strain relief of cables or extra insulation. Altira front plate for wall applications can be snap-fitted in the adaptor. To avoid gaps between wiring devices the adaptors can be snapped into one another. Material: PC/ABS (adaptor and front plate).				
P91597	With a single Altira Rotoclip outlet, pin-earthed, adjustable to a 45° or 90° angle.	White RAL 9010	73/35/71	1	ISM15120
P91598	With a double Altira outlet, 45°, pin-earthed	White RAL 9010	73/35/140	1	ISM15121
P91599	With a triple Altira outlet, 45°, pin-earthed	White RAL 9010	73/35/185	1	ISM15122
	Outlet kit, Altira, pin-earthed and tamper-proof				
P91600	With a single Altira Rotoclip outlet, pin-earthed, tamper-proof, adjustable to a 45° or 90° angle	Red, white RAL 9010	73/35/71	1	ISM15123
P91596	With a double Altira outlet, 45°, pin-earthed, tamper-proof	Red, white RAL 9010	73/35/140	1	ISM15124
P91601	With a triple Altira outlet, 45°, pin-earthed, tamper-proof	Red, white RAL 9010	73/35/185	1	ISM15125
	Outlet kit, Altira, side-earthed				
	Outlet kit including adaptor, front plate and single, double or triple Altira outlet, side-earthed (Schuko type), with push-in terminals. To be combined with installation box in applications requiring strain relief of cables or extra insulation. Altira front plate for wall applications can be snap-fitted in the adaptor. To avoid gaps between wiring devices the adaptors can be snapped into one another. Material: PC/ABS (adaptor and front plate).				
P94959	With a single Altira outlet, 45°, side-earthed	Red, white RAL 9010	73/35/71	1	ISM15130
P94960	With a double Altira outlet, 45°, side-earthed	Red, white RAL 9010	73/35/140	1	ISM15131
P94961	With a triple Altira outlet, 45°, side-earthed	Red, white RAL 9010	73/35/185	1	ISM15132
	Outlet kit, Altira, side-earthed and tamper-proof				
P94962	With a single Altira outlet, 45°, side-earthed, tamper-proof	White RAL 9010	73/35/71	1	ISM15133
P94958	With a double Altira outlet, 45°, side-earthed, tamper-proof	White RAL 9010	73/35/140	1	ISM15134
P94963	With a triple Altira outlet, 45°, side-earthed, tamper-proof	White RAL 9010	73/35/185	1	ISM15135

OptiLine 70 Trunking
Range

Accessories for PVC trunking

P64412

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Terminal block, push-in				
Terminal block for push-in connection, 16A / 250V, 3x2.5 mm². For mounting in installation boxes and wiring device adaptors. Material: PPO, brass				
Terminal block	White	10/10/14	10	ISM15004

P91380

Cutting shears				
Cutting shears for PVC material. Suitable when cutting front covers, cable shelves or other PVC length material, instead of using a saw. Material: Steel.				
Cutting shears	Orange	230/22/80	1	ISM10908

OptiLine 70 Trunking
Range

Aluminium trunking

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Installation trunking with one compartment				
	Installation trunking including one-compartment trunking base and front cover. The trunking base has pre-punched mounting holes every 25th cm and can be provided with cable shelves. The 70 mm front opening allows wiring devices to be mounted by using adaptors. Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m. Material: Aluminium.				
P89450	For 45x45 module wiring devices and modular devices	Anodized	80/55/2000	6 m	ISM11150
P89452	For 45x45 module wiring devices, modular devices and c/c 60 wiring devices	Anodized	95/55/2000	6 m	ISM11250
P89454	For 45x45 module wiring devices, modular devices and c/c 60 wiring devices	Anodized	120/55/2000	6 m	ISM11350
	Installation trunking with two compartments				
P89456	Installation trunking including two-compartment trunking base and two front covers. The trunking base has pre-punched mounting holes every 25th cm and can be provided with cable shelves. The 70 mm front opening allows wiring devices to be mounted by using adaptors. Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m. Material: Aluminium.				
	For 45x45 module wiring devices and modular devices	Anodized	155/55/2000	4 m	ISM11450
P89458	For 45x45 module wiring devices, modular devices and c/c 60 wiring devices	Anodized	185/55/2000	4 m	ISM11550
	Installation trunking, customer adapted				
	Installation trunking according to special customer order. The trunking is available with one or two compartments, see above, and can be specified *in optional length and colour*. Implies a detailed specification. Material: Aluminium.				
	Acc. to customer spec.	Optional	—*/55/Optional *Five height measurements, see above	—	ISMSPTR

Accessories for aluminium trunking

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Internal corner				
	Adjustable internal corner for an 80–100 degree angling of aluminium trunking. Material: PC/ABS, painted.				
P92187	For trunking 80x55	Alu metallic	89/117/117	1	ISM11151
	For trunking 95x55	Alu metallic	104/117/117	1	ISM11251
	For trunking 120x55	Alu metallic	129/117/117	1	ISM11351
	For trunking 155x55	Alu metallic	164/117/117	1	ISM11451
	For trunking 185x55	Alu metallic	194/117/117	1	ISM11551
	External corner				
	Adjustable external corner for a 75–135 degree angling of aluminium trunking. Material: PC/ABS, painted.				
P92188	For trunking 80x55	Alu metallic	89/105/105	1	ISM11152
	For trunking 95x55	Alu metallic	104/105/105	1	ISM11252
	For trunking 120x55	Alu metallic	129/105/105	1	ISM11352
	For trunking 155x55	Alu metallic	164/105/105	1	ISM11452
	For trunking 185x55	Alu metallic	194/105/105	1	ISM11552

OptiLine 70 Trunking
Range

Accessories for aluminium trunking

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Bend, 90°, kit				
90 degree bend kit for angling upwards and downwards of aluminium trunking. Including bend piece and fixing device to be screw-fitted to the wall. Material: PC/ABS, painted.				
For trunking 80x55	Alu metallic	107/57/107	1	ISM11153
For trunking 95x55	Alu metallic	122/57/122	1	ISM11253
For trunking 120x55	Alu metallic	147/57/147	1	ISM11353
For trunking 155x55	Alu metallic	182/57/182	1	ISM11453
For trunking 185x55	Alu metallic	212/57/212	1	ISM11553
Stop end				
Stop end for aluminium trunking. Including screw and nut to fix the stop end in the trunking base. Material: PC/ABS, painted.				
For trunking 80x55	Alu metallic	84/56/21	2	ISM11154
For trunking 95x55	Alu metallic	99/56/21	2	ISM11254
For trunking 120x55	Alu metallic	124/56/21	2	ISM11354
For trunking 155x55	Alu metallic	159/56/21	2	ISM11454
For trunking 185x55	Alu metallic	189/56/21	2	ISM10554
Wall/Ceiling frame				
Wall/Ceiling frame to be fitted around an aluminium trunking at wall or ceiling passage. Easily modified to C or L-profile depending on how the passage is made. Snap-fitted, with a screw-fixing option for high security. Material: PC/ABS, painted.				
For trunking 80x55	Alu metallic	135/82/22	1	ISM11155
For trunking 95x55	Alu metallic	150/82/22	1	ISM11255
For trunking 120x55	Alu metallic	175/82/22	1	ISM11355
For trunking 155x55	Alu metallic	210/82/22	1	ISM11455
For trunking 185x55	Alu metallic	240/82/22	1	ISM11555
Joint cover piece, kit				
Joint cover piece, supplied and mounted together with two jointing pieces. Intended to cover joints between two aluminium trunking sections. Easy to remove in case of an upgrading of the installation. Material: PC/ABS, painted.				
For trunking 80x55	Alu metallic	85/57/100	1	ISM11156
For trunking 95x55	Alu metallic	100/57/100	1	ISM11256
For trunking 120x55	Alu metallic	125/57/100	1	ISM11356
For trunking 155x55	Alu metallic	160/57/100	1	ISM11456
For trunking 185x55	Alu metallic	190/57/100	1	ISM11556
T-piece				
T-piece intended to connect a vertical to a horizontal aluminium trunking. Material: PC/ABS, painted.				
For vertical trunking 80x55 and horizontal trunking 80x55, 95x55, 120x55, 155x55 and 185x55	Alu metallic	52/57/102	1	ISM11157
For vertical trunking 95x55 and horizontal trunking 95x55, 120x55, 155x55 and 185x55	Alu metallic	52/57/117	1	ISM11258

P92189

P92190

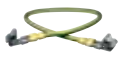
P92191

P92192

P92186

OptiLine 70 Trunking
Range

Accessories for aluminium trunking

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
P92184	**Front cover**				
	Front cover to be snap-fitted in trunking with a 70 mm front opening. Supplied with protective foil, in lengths of 2 m. Material: Aluminium				
	Front cover	Anodized	71/13/2000	24 m	ISM11950
P89183	**Cable retainer**				
	Cable retainer to be mounted at the back of the trunking base to keep cables in place during the installation phase. Also providing increased cable capacity when used in a one-compartment trunking. No need to remove the retainer when fitting the front cover. Material: PA.				
	Cable retainer	Blue	42/48/25	5	ISM11901
P85788	**Cable shelf**				
	Single cable shelf to be mounted in the trunking base, providing separation between power and low voltage cables. Supplied in lengths of 1 m. Material: PVC.				
	Cable shelf	White RAL 9010	17/47/1000	24 m	ISM10902
P92193	**Joint cover piece for front cover**				
	Joint cover piece intended to cover joints between two aluminium front covers. Material: PC/ABS, painted.				
	Joint cover piece for front cover	Alu metallic	71/24/23	5	ISM11951
P89184	**Jointing piece**				
	Internal jointing piece intended to facilitate jointing of two PVC or aluminium trunking bases. May also be used to mount the joint cover piece. Material: PC/ABS.				
	Jointing piece	White RAL 9010	4/39/100	10	ISM11904
P85791	**Sealing strip**				
	Sealing strip to be fitted between trunking and floor for a 10-15 mm coverage. Supplied in lengths of 2 m. Material: PVC.				
	Sealing strip	White RAL 9010	17/40/2000	24 m	ISM10905
P85794	**Jointing/earthing piece**				
	Internal jointing and earthing piece, intended for jointing and earthing of two aluminium trunking bases. Including two screws. Material: Zinc.				
	Jointing/earthing piece	Untreated	4/6/26	10	ISM10955
P87196	**Earthing clamp**				
	Earthing clamp to be used for bonding of front cover, trunking base and accessories to earth. Material: Steel.				
	Earthing clamp	—	9/9/9	20	ISM10952
P85796 	**Earthing kit**				
	Kit including earth wire with flat pin connectors and earthing clamps. To be used to connect the front cover to the base profile or the base profile to another base profile.				
	Earthing kit	Yellow/green	L = 200 L = 300	10 10	ISM10953 ISM10954

OptiLine 70 Trunking
Range

Accessories for aluminium trunking

		Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
		Adaptor for 45x45 module wiring devices, Altira				
		Adaptor including front plate. Suitable for 45x45 module wiring devices, type Altira and similar. Terminal blocks and earth terminals can be snap-fitted in the two-module and three-module sizes. To be combined with installation box in applications requiring strain relief of cables or extra insulation. Altira front plate for wall applications can be snap-fitted in the adaptor. To avoid gaps between wiring devices the adaptors can be snapped into one another. Material: PC/ABS.				
P91590		For one 45x45 module wiring device	White RAL 9010	73/35/71	1	ISM15100
P91591		For two 45x45 module wiring devices	White RAL 9010	73/35/140	1	ISM15101
P91592		For three 45x45 module wiring devices	White RAL 9010	73/35/185	1	ISM15102
		Adaptor for 45x45 module wiring devices, Unica				
		Adaptor including front plate. Suitable for 45x45 module wiring devices, type Unica. Terminal blocks and earth terminals can be snap-fitted in the two-module and three-module sizes. To be combined with installation box in applications requiring strain relief of cables or extra insulation. To avoid gaps between wiring devices the adaptors can be snapped into one another. Material: PC/ABS, painted (front plate), PBT (adaptor).				
P92195		For one 45x45 module wiring device	Alu metallic	73/28/71	1	ISM15205
P92194		For two 45x45 module wiring devices	Alu metallic	73/28/140	1	ISM15206
P92196		For three 45x45 module wiring devices	Alu metallic	73/28/185	1	ISM15207
		Adaptor for c/c 60 wiring devices				
P91589		Adaptor including two screws. Suitable for one c/c 60 mm wiring device. With screw options in four different directions, securing the correct orientation in both vertical and horizontal mounting. To be combined with installation box in applications requiring strain relief of cables or extra insulation. In order to avoid gaps between wiring devices and to secure c/c 71 mm between the outlets, thus allowing front plates from wall applications to be used, the adaptors can be snapped into one another. Material: PC/ABS.				
		Adaptor, c/c 60	White	71/24/71	1	ISM15003
		Installation box for adaptors				
		Installation box to be snap-mounted to an adaptor. The box has a built-in screwless strain relief and an interface that allows snap-fitting of terminal blocks and earth terminals, as well as cable-tie strain relieving. Slots in the box allow pre-wired wiring devices to slide in. Material: PC/ABS.				
P91593		Box for one-module Altira/Unica adaptor or c/c 60 mm wiring device adaptor	White	71/42/71	1	ISM15010
P91594		Box for two-module Altira/Unica adaptor	White	71/42/140	1	ISM15011
P91595		Box for three-module Altira/ Unica adaptor	White	71/42/185	1	ISM15012

OptiLine 70 Trunking
Range

Accessories for aluminium trunking

P92612

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Modular device adaptor, two-module, Unica				
Adaptor, two-module, for modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC/ABS (front plate), PBT (adaptor), PC+ASA (DIN-module), metal rail.				
For 1-2 modular devices	Alu metallic	73/80/140	1	ISM15006

P92180

Modular device adaptor, three-module, Altira				
Adaptor, three-module, for modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC/ABS.				
For 1-3 modular devices	Alu metallic	73/94/185	1	ISM15005

P64412

Terminal block, push-in				
Terminal block for push-in connection, 16A / 250V, 3x2.5 mm^2. For mounting in installation boxes and wiring device adaptors. Material: PPO, brass				
Terminal block	White	10/10/14	10	ISM15004

OptiLine 70 Trunking
Technical description

Technical and Material data

PVC (self-extinguishing, lead and cadmium-free)	Density	1.5 g/cm^3
	Linear expansion	60x10^{-6}/°C
	Water absorption	Less than 0.2 %
	Volume resistivity	>10^{13} Ω cm
	Fire rating	UL 94 V0 (0.8 mm)
	Fire/smoke/toxicity classification	M1 acc. to French standard NF P 92 501
	Colour	White RAL 9010
Aluminium	Density	2.7 g/cm^3
	Linear expansion	2.4x10^{-5}/°C
	Surface treatment	Natural anodizing
PC/ABS	Density	1.14 g/cm^3
	Linear expansion	70x10^{-6}/°C
	Water absorption	0.6 %
	Volume resistivity	>10^{13} Ω cm
	Dielectric strength	19 kV/mm
	Fire rating	UL 94 HB
	Colours Aluminium metallic (painted)	White RAL 9010 White (unspecified)
PA (polyamide), halogen-free	Density	1.16 g/cm^3
	Water absorption	2.0 %
	Volume resistivity	>10^{12} Ω cm
	Dielectric strength	45 kV/mm
	Fire rating	UL 94 V0
	Colour	Blue NCS S 3050-R90B Clear
PE (polyethylen), halogen-free	Density	0,96 g/cm^3
	Linear expansion	110x10^{-6}/°C
	Water absorption	Less than 0.2%
	Volume resistivity	>10^{16} Ω cm
	Fire rating	UL 94 HB
	Colours Brown	Red
PBT with 30 % glass-fibre	Density	1.52 g/cm^2
	Linear expansion	40-70x10^{-6} /°C
	Fire rating	UL 94 HB (1.5 mm)
	Colour	Light grey
Degree of protection	IP40	
Temperature range	Operating temperature from -25°C to +60°C	
Resistance to impact	PVC trunking	2J (IK07)
	PC/ABS accessories	2J (IK07)
Standards and certificates	The products comply with the standards: • EN 50085-1 : 2005 • pr EN 50085-2-1 : 2002 The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 93/68/EEC	

OptiLine 70 Poles
Presentation

OptiLine 70 poles handle all types of wiring devices
OptiLine 70 poles are universal and can be fitted with 45x45 modules and modular devices by means of adaptors. The one and two-sided poles can also be fitted with adaptors for c/c 60 mm wiring devices.

Altira 45x45 module wiring devices
Optimal function and design are achieved with Altira wiring devices. Altira offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats and timers.

Service poles with 70 mm front opening for all types of wiring devices

OptiLine 70 service poles offer very flexible installation solutions, bringing power, telecom and data directly from the ceiling to the desk.

The poles have a front opening of 70 mm, allowing 45x45 module wiring devices and modular devices to be installed by means of one, two or three-module adaptors. The one and two-sided poles can also take the one-module adaptor for c/c 60 mm wiring devices. The adaptors have several unique installation benefits.

The poles have a softly rounded and slender form and are made of natural anodized aluminium with a high surface finish. They are installed free-standing in the room, mounted on a foot and movable within a radius of up to 1.5 metres from the connection point in the ceiling, or tension-mounted between floor and ceiling. Both types are available in one and two-sided versions or with one or two installation boxes for wiring devices.

The spring-loaded and adjustable ceiling fixing for tension-mounted poles can be fitted easily without tools.

One-sided/one installation box

Free-standing

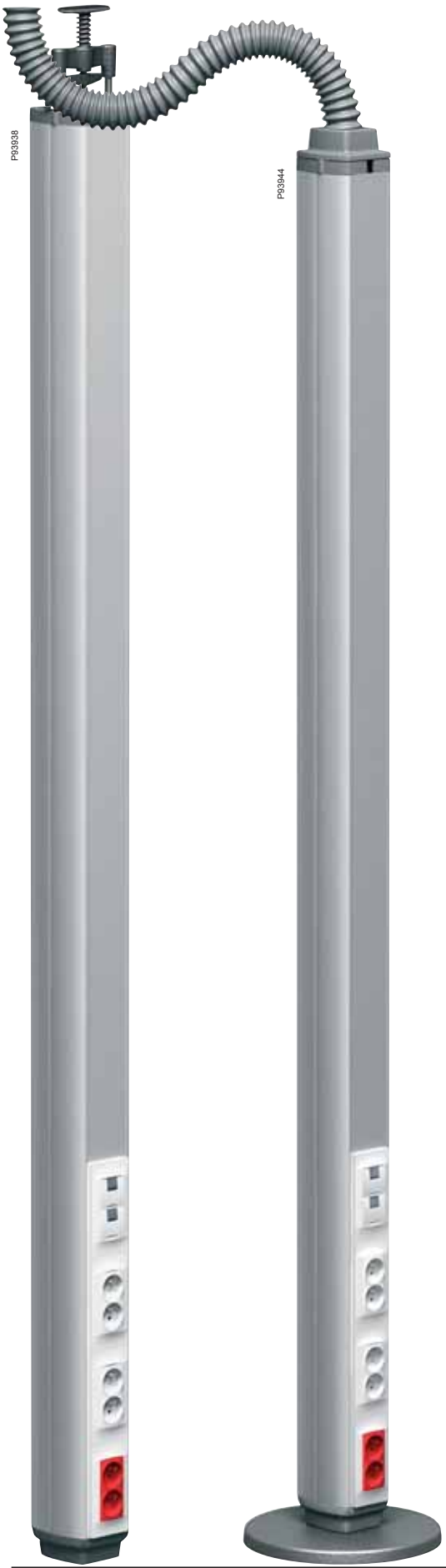
Tension-mounted

Two-sided/two installation boxes

Free-standing

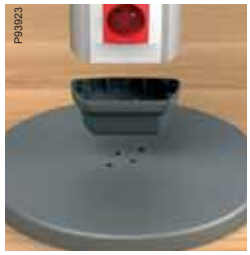
Tension-mounted

OptiLine 70 Poles
Presentation



Design, finish and quality
All OptiLine 70 poles are made of natural anodized aluminium with a high surface finish. The form is softly rounded and slendered. All parts are designed to give reliable function and easy installation.

Many mounting options
Accessories for all mounting options. The ceiling frame for the flexible conduit is mounted without a tool and can be adjusted to different ceiling thicknesses.

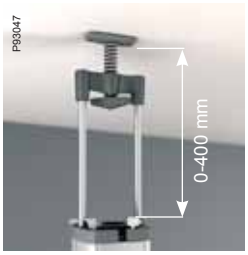


Stable and sturdy
Most parts in aluminium, several are die-cast. Foot in sand-cast iron.
- Stable and sturdy design
- Reliable function
- High-quality impression.

Two optional feet
The free-standing and movable poles can be delivered with a rectangular or round foot. Both made of sand-cast iron and painted grey.

Innovative rectangular foot
The foot has a steel clamp that can be unfolded for extra support.
- Steady
- Nice installation close to the wall
- Two poles can be placed back to back.

Ceiling frame
The tension-mounted poles can be provided with a self-sticking ceiling frame to cover the edge of the hole in a false ceiling.
- Nice installation
- Quick and easy to mount.



Handy ceiling fixing
Fitted easily without tools. Self-locking adjustment.
- Quick and safe installation
- 400 mm working range
- Mechanism outside the pole – does not interfere with the wiring devices.

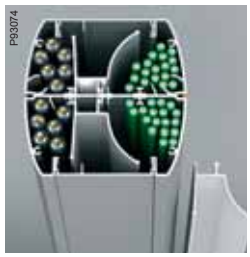
Flexibility
The free-standing and movable pole has a steady foot and a flexible conduit.
- Easy to move the poles to optimize the office layout
- 1.5 m action radius.

OptiLine 70 Poles
Presentation

Poles with a slim-line design and dedicated installation boxes
Two of the poles have a slimmed downfeed profile and one or two installation boxes for wiring devices. The box size is optimised for four two-module adaptors, and a short front cover (included) hides the cable entries in the pole.
- Nice installation
- Quick and easy to mount. No need to cut the front covers
- No gaps between the outlets. Perfect final result.

Two-module adaptor
The two-module adaptor allows mounting of 45x90 mm outlets.
- Possible to use RJ45 VDI wiring devices with two or four outlets.

Boxes with many features
All installation boxes have several cable inlets, either in the 45° chamfered corners or in slotted entries. They also have a built-in screwless strain relief and interfaces for snap-fitting of terminal blocks and earth terminals.
- Easy connections
- Easy individual feeding to the outlets
- Easy strain relief
- The cables can be laid in
- Fast installation of pre-wired outlets.



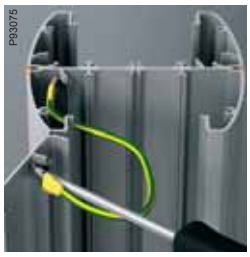
Cable separation
Partition profile for good separation of cables.
- Correct distance between VDI and power cables
- Full isolation between terminations and cables.

OptiLine 70 Poles
Presentation

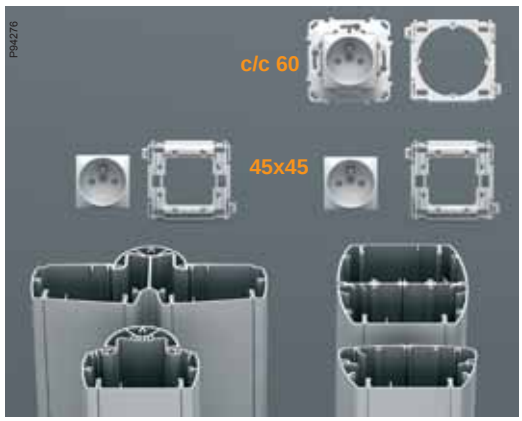
Adaptors with secure click-in interface
All adaptors have secure click-in interface.
- No gaps between the front plates of the wiring devices. Secures IP40 and gives a nice result
- Two or more adaptors can be snapped together for a mixed power and VDI installation
- High pull-out loads of the wiring devices.

Smooth stop end
Stop end in cast aluminium with smoothly shaped edges.
- Covers the sharp cut of the base profile
- No risk of damaged cables.

Screw slots
Slots along both sides of the pole.
- For decorative colour stripes
- For products like spotlights, small shelves etc.



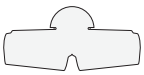
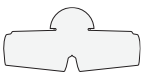
Easy earthing
The base profile and the front cover have easily accessible earthing rails. Pre-assembled earthing kit supplied with each pole.
- Quick and easy to mount
- Screwless mounting.



OptiLine 70 poles handle all types of wiring devices
OptiLine 70 poles are universal and can be fitted with 45x45 modules and modular devices by means of adaptors. The one and two-sided poles can also be fitted with adaptors for c/c 60 mm wiring devices.

OptiLine 70 Poles
Choice guide

Poles & accessories

							Ceiling frame one-sided/round	Ceiling frame two-sided	Cable tray fixing
Tension mounted			**Colour**	**Height mm**	**Ref. No.**				
	One-sided		Anodized	3170-3570 4170-4570 5170-5570 6170-6570	ISM20500 ISM20501 ISM20502 ISM20503	ISM20550			ISM20553
		Two-sided	Anodized	3170-3570 4170-4570 5170-5570 6170-6570	ISM20505 ISM20506 ISM20507 ISM20508		ISM20551	ISM20553
Tension mounted with installation box			**Colour**	**Height mm**	**Ref. No.**				
	One installation box		Anodized	3000-3400 3400-3800 3800-4200 5100-5500	ISM20510 ISM20511 ISM20512 ISM20513	ISM20552			ISM20554
		Two installation boxes 	Anodized	3000-3400 3400-3800 3800-4200 5100-5500	ISM20515 ISM20516 ISM20517 ISM20518	ISM20552			ISM20554
Free-standing			**Colour**	**Height mm**	**Ref. No.**				
	One-sided		Anodized	2385+2000	ISM20520				
		Two-sided	Anodized	2420+2000	ISM20521				
Free-standing with installation box			**Colour**	**Height mm**	**Ref. No.**				
	One installation box		Anodized	2465+2000	ISM20525				
		Two installation boxes 	Anodized	2465+2000	ISM20526				

Foot, round	**Foot, rectangular**	**Ceiling frame**	**Ceiling fixing**	**Busbar fixing**	**Cable tray fixing**
ISM20808	ISM20809	ISM20812	ISM20816	ISM20815	ISM20813
ISM20808	ISM20809	ISM20812	ISM20816	ISM20815	ISM20813
ISM20808	ISM20809	ISM20812	ISM20816	ISM20815	ISM20813
ISM20808	ISM20809	ISM20812	ISM20812	ISM20815	ISM20813

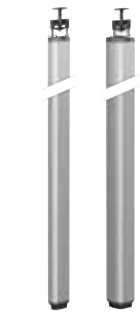
OptiLine 70 Poles
Range

Service poles

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Pole, tension-mounted				
Empty service pole for tension mounting between floor and ceiling, one-sided or two-sided. Including front cover, ceiling fixing, ceiling frame, stop end, strain relief, floor fixing, floor fixing plate (zinc), earthing kit and mounting instruction. Adjustability of ceiling fixing 400 mm. Wiring devices can be placed along the whole pole length, using one, two or three-module adaptors for 45x45 wiring devices, two or three-module adaptors for modular devices or one-module adaptor for c/c 60 mm wiring devices. Unearthed. Supplied without wiring devices and cables. Material: Aluminium, natural anodized.				
One-sided, 3.17-3.57 m	Anodized	3170-3570/61/120	1	ISM20500
One-sided, 4.17-4.57 m	Anodized	4170-4570/61/120	1	ISM20501
One-sided, 5.17-5.57 m	Anodized	5170-5570/61/120	1	ISM20502
One-sided, 6.17-6.57 m	Anodized	6170-6570/61/120	1	ISM20503
Two-sided, 3.17-3-57 m	Anodized	3170-3570/120/118	1	ISM20505
Two-sided, 4.17-4.57 m	Anodized	4170-4570/120/118	1	ISM20506
Two-sided, 5.17-5.57 m	Anodized	5170-5570/120/118	1	ISM20507
Two-sided, 6.17-6.57 m	Anodized	6170-6570/120/118	1	ISM20508

P92923

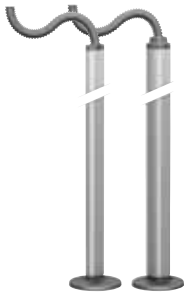
P92925



Pole, free-standing				
Empty, free-standing and movable service pole, one-sided or two-sided. Including front cover, flexible conduit with adaptor, strain relief, earthing kit and mounting instruction. Length of flexible conduit 2.0 m, play radius 1.5 m from the connection point in the ceiling. Wiring devices can be placed along the whole pole length, using one, two or three-module adaptors for 45x45 wiring devices, two or three-module adaptors for modular devices or one-module adaptor for c/c 60 mm wiring devices. Unearthed. Supplied without wiring devices and cables. Foot to be ordered separately. Material: Aluminium, natural anodized.				
One-sided	Anodized	2385+2000/61/120	1	ISM20520
Two-sided	Anodized	2420+2000/120/118	1	ISM20521

P92931

P92933



Pole with installation box, tension-mounted				
Empty service pole for tension mounting between floor and ceiling, provided with one or two installation boxes for wiring devices. Including ceiling fixing, ceiling frame, stop end, floor fixing, floor fixing plate (zinc), earthing kit and mounting instruction. Adjustability of ceiling fixing 400 mm. Wiring devices are placed in the installation boxes, with an accessible front opening of 560 mm (= 4 x two-module adaptors for 45x45 wiring devices and modular devices). Unearthed. Supplied without wiring devices and cables. Material: Aluminium, natural anodized.				
With one box, 3.0-3.4 m	Anodized	3000-3400/90/100	1	ISM20510
With one box, 3.4-3.8 m	Anodized	3400-3800/90/100	1	ISM20511
With one box, 3.8-4.2 m	Anodized	3800-4200/90/100	1	ISM20512
With one box, 5.1-5.5 m	Anodized	5100-5500/90/100	1	ISM20513
With two boxes, 3.0-3.4 m	Anodized	3000-3400/94/206	1	ISM20515
With two boxes, 3.4-3.8 m	Anodized	3400-3800/94/206	1	ISM20516
With two boxes, 3.8-4.2 m	Anodized	3800-4200/94/206	1	ISM20517
With two boxes, 5.1-5.5 m	Anodized	5100-5500/94/206	1	ISM20518

P92927

P92929

OptiLine 70 Poles
Range

Service poles

P92935

P92937

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Pole with installation box, free-standing				
Empty, free-standing and movable service pole, provided with one or two installation boxes for wiring devices. Including flexible conduit with adaptor, earthing kit and mounting instruction. Length of flexible conduit 2.0 m, play radius 1.5 m from the connection point in the ceiling. Wiring devices are placed in the installation boxes, with an accessible front opening of 560 mm (= 4 x two-module adaptors for 45x45 wiring devices and modular devices). Unearthed. Supplied without wiring devices and cables. Foot to be ordered separately. Material: Aluminium, natural anodized.				
With one box	Anodized	2465+2000/90/100	1	ISM20525
With two boxes	Anodized	2465+2000/94/206	1	ISM20526
Pole, customer adapted				
Service pole according to special customer order. The pole is available one- or two-sided or with one or two installation boxes, for tension mounting or free-standing, see above. It can be specified *in optional length and colour*. Implies a detailed specification. Material: Aluminium.				
Acc. to customer spec.	Optional	Optional/—*/—*	—	ISMSPPL
		*Various measurements, see above		

Accessories for service poles

P86528

Foot for free-standing poles				
Rectangular foot for free-standing, movable poles, to be fixed to the bottom plate of the pole by means of two M6 bolts (included). The foot is provided with a steel clamp that can be unfolded for extra support. When not in use, the clamp lies protected in a recess underneath the foot. Specially suited in applications close to the wall or when two poles are positioned back to back. Material: Cast iron, painted.				
Foot, rectangular	Grey	33/250/346	1	ISM20809

P86529

Round foot for free-standing, movable poles, to be fixed to the bottom plate of the pole by means of two M6 bolts (included). Suitable both for one and two-sided poles. Material: Cast iron, painted.				
Foot, round	Grey	29/Ø317	1	ISM20808
Floor fixing for tension-mounted poles, with slot for floor feeder				
Floor fixing for tension-mounted poles, one or two-sided. Fixed to the floor by screws. With slot for connection of floor feeder 18x75 or 18x91 mm. Gasket ring included. Material: Aluminium, powder coated.				

P92183

For one-sided pole and 18x91 mm aluminium floor feeder	Grey RAL 9007	45/100/153	1	ISM20650

P92182

For two-sided pole and 18x91 mm aluminium floor feeder	Grey RAL 9007	45/164/154	1	ISM20651

P92618

For one-sided pole and 18x75 mm PVC/aluminium floor feeder	Grey RAL 9007	45/100/153	1	ISM20652

P92616

For two-sided pole and 18x75 mm PVC/aluminium floor feeder	Grey RAL 9007	45/164/154	1	ISM20653
Ceiling frame				
Ceiling frame for one-sided or two-sided poles or for Ø65 mm profile. Covers the edge of the hole in a false ceiling. Self-sticking. Material: PS (polystyrene).				

P92179

Ceiling frame for 1-sided pole	White RAL 9010	1/111/170	1	ISM20550

P92178

Ceiling frame for 2-sided pole	White RAL 9010	1/170/167	1	ISM20551

P92648

Ceiling frame for Ø65 mm pole	White RAL 9010	1/Ø115	1	ISM20552

OptiLine 70 Poles
Range

Accessories for service poles

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Ceiling frame				
P86527	Ceiling frame intended to lead flexible conduit through false ceiling. To be mounted in circular hole, Ø125 mm, by using three included clamps. Also including a slotted plastic plate to be used to lock the flexible conduit, which is fixed by cable ties. The plate can also be used as a drill template for entrance hole Ø125 mm. Material: PC/ABS.				
	Ceiling frame	White RAL 9010	89/Ø161	1	ISM20812
	Ceiling fixing				
P86526	Ceiling fixing intended to connect flexible conduit to ceiling or wall. Fixings not included. Material: Aluminium, powder coated.				
	Ceiling fixing	White RAL 9010	50/156/90	1	ISM20816
	Cable tray fixing				
P92177	Cable tray fixing including fixing material, intended to connect one and two-sided service poles to cable tray or cable ladder. Allows a flexible connection of the pole in various directions. Material: Steel, powder coated.				
	Cable tray fixing, one or two-sided pole	White RAL 9010	75/72/126	1	ISM20553
P92607	Cable tray fixing including fixing material, intended to connect a Ø65 mm service pole to cable tray or cable ladder. Allows a flexible connection of the pole in various directions. Material: Steel, powder coated.				
	Cable tray fixing, Ø65 mm pole	White RAL 9010	75/Ø72	1	ISM20554
P86524	Cable tray fixing including fixing material, intended to connect flexible conduit to cable tray. Material: Steel, powder coated.				
	Cable tray fixing	White RAL 9010	100/15/70	1	ISM20813
	Busbar fixing				
P94503	Busbar fixing for Ø55 mm conduits, intended to connect flexible conduit to busbar trunking. Material: Steel, powder coated.				
	Busbar fixing	White RAL 9010	105/90/70	1	ISM20815
	Front cover				
P92658	Front cover to be snapped into 70 mm front openings. With earthing slots. Supplied with protective foil, in lengths of 2 m. Material: Aluminium, natural anodized.				
	Front cover	Anodized	2000/13/71	24 m	ISM11950
	Partition profile				
P92211	Partition profile of halogen-free material with two partition walls. Mounted in internal fixing rails of one and two-sided poles, for the separation of power and low voltage cables. Material: ABS.				
	Partition profile	White	500/49/50	10	ISM20555
	Modular device adaptor, two-module, Unica				
	Adaptor, two-module, for modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC/ABS (front plate), PBT (adaptor), PC+ASA (DIN-module), metal rail.				
P92613	For 1-2 modular devices	White RAL 9010	73/80/140	1	ISM15000
P92612	For 1-2 modular devices	Alu metallic	73/80/140	1	ISM15006
	Modular device adaptor, three-module, Alira				
	Adaptor, three-module, for modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC/ABS.				
P91617	For 1-3 modular devices	White RAL 9010	73/94/185	1	ISM15001
P92180	For 1-3 modular devices	Alu metallic	73/94/185	1	ISM15005

OptiLine 70 Poles
Range

Accessories for service poles

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Adaptor for 45x45 module wiring devices, Unica				
	Adaptor including front plate. Suitable for 45x45 module wiring devices, type Unica. Terminal blocks and earth terminals can be snap-fitted in the two-module and three-module sizes. To be combined with installation box in applications requiring strain relief of cables or extra insulation. To avoid gaps between wiring devices the adaptors can be snapped into one another. Material: PC/ABS (front plate), PBT (adaptor).				
P92212	For one 45x45 module wiring device	White RAL 9010	73/28/71	1	ISM15200
P92195	For one 45x45 module wiring device	Alu metallic	73/28/71	1	ISM15205
P92197	For two 45x45 module wiring devices	White RAL 9010	73/28/140	1	ISM15201
P92194	For two 45x45 module wiring devices	Alu metallic	73/28/140	1	ISM15206
P92198	For three 45x45 module wiring devices	White RAL 9010	73/28/185	1	ISM15202
P92196	For three 45x45 module wiring devices	Alu metallic	73/28/185	1	ISM15207
	Adaptor for 45x45 module wiring devices, Altira				
	Adaptor including front plate. Suitable for 45x45 module wiring devices, type Altira and similar. Terminal blocks and earth terminals can be snap-fitted in the two-module and three-module sizes. To be combined with installation box in applications requiring strain relief of cables or extra insulation. Altira front plate for wall applications can be snap-fitted in the adaptor. To avoid gaps between wiring devices the adaptors can be snapped into one another. Material: PC/ABS.				
P91590	For one 45x45 module wiring device	White RAL 9010	73/35/71	1	ISM15100
P91591	For two 45x45 module wiring devices	White RAL 9010	73/35/140	1	ISM15101
P91592	For three 45x45 module wiring devices	White RAL 9010	73/35/185	1	ISM15102
	Adaptor for c/c 60 wiring devices				
P91589	Adaptor including two screws. Suitable for one c/c 60 mm wiring device. With screw options in four different directions, securing the correct orientation in both vertical and horizontal mounting. To be combined with installation box in applications requiring strain relief of cables or extra insulation. In order to avoid gaps between wiring devices and to secure c/c 71 mm between the outlets, thus allowing front plates from wall applications to be used, the adaptors can be snapped into one another. Only to be used in one and two-sided poles (without installation boxes). Material: PC/ABS.				
	Adaptor, c/c 60	White	71/24/71	1	ISM15003
	Installation box for adaptors				
	Installation box to be snap-mounted to an adaptor. The box has a built-in screwless strain relief and an interface that allows snap-fitting of terminal blocks and earth terminals, as well as cable-tie strain relieving. Slots in the box allow pre-wired wiring devices to slide in. Material: PC/ABS.				
P91593	Box for one-module Altira/Unica adaptor or c/c 60 mm wiring device adaptor	White	71/42/71	1	ISM15010
P91594	Box for two-module Altira/Unica adaptor	White	71/42/140	1	ISM15011
P91595	Box for three-module Altira/ Unica adaptor	White	71/42/185	1	ISM15012

OptiLine 70 Poles
Range

Accessories for service poles

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Decorative stripe				
	Decorative stripe to be fitted in the slots along the sides of one and two-sided poles and posts. Supplied in lengths of 5 m. Material: Silicone rubber.				
P87191	Decorative stripe	Grey	5000/Ø3.5	5 m	ISM20822
P87192	Decorative stripe	White RAL 9010	5000/Ø3.5	5 m	ISM20823
P87193	Decorative stripe	Orange	5000/Ø3.5	5 m	ISM20824
	Earthing clamp				
P87196	Earthing clamp to be used for bonding of front cover, base profile and accessories to earth. Material: Steel.				
	Earthing clamp	—	9/9/9	20	ISM10952
	Earthing kit				
P85796	Kit including earth wire with flat pin connectors and earthing clamps. To be used to connect the front cover to the base profile.				
	Earthing kit	Yellow/green	L = 200 L = 300	10 10	ISM10953 ISM10954

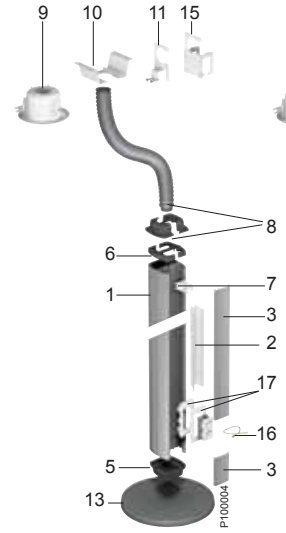
Floor feeder and accessories

	Floor feeder, aluminium				
P92181	Floor feeder made up by a three compartment base profile and cover, supplied in lengths of 2.5 m. The base profile has punched holes to simplify mounting. Provided with screw slots for earth connection. Can be used as a separate item or in combination with a service pole with slotted floor fixing for aluminium floor feeder. Meets load requirements according to VDE 0634 (750 N/50 mm^2). Material: Aluminium, natural anodized.				
	Floor feeder	Anodized	18/91/2500	1	ISM20660
P111399	Floor feeder made up by a base part with three compartments and a cover. Supplied in lengths of 2 m. To be used for feeding along the floor to a service pole provided with a slotted floor fixing for 18x75 mm floor feeder. Material: Aluminium, natural anodized.				
	Floor feeder	Anodized	18/75/2000	8 m	ISM20857
	Floor feeder, PVC				
P86523	Floor feeder made up by a base part with three compartments and a cover. Supplied in lengths of 2 m. To be used for feeding along the floor to a service pole provided with a slotted floor fixing for 18x75 mm floor feeder. Material: PVC.				
	Floor feeder	Grey RAL 7030	18/75/2000	28 m	ISM20817
	Floor feeder jointing piece				
P86521	Floor feeder jointing piece to cover joints between PVC floor feeder sections. Material: PVC.				
	Jointing piece	Grey RAL 7030	20/50/78	10	ISM20818
	Corner feeder piece				
P86522	Corner feeder piece to be used in 90 degree corners between PVC floor feeder sections. Material: PVC.				
	Corner feeder piece	Grey RAL 7030	20/120/120	10	ISM20819

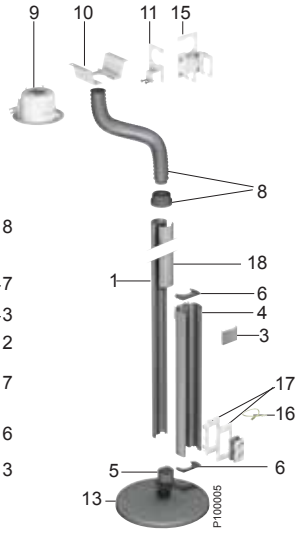
OptiLine 70 Poles
Technical description

Poles

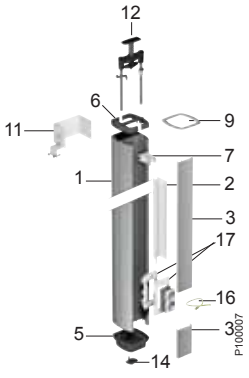
1. Base profile
2. Partition profile
3. Front cover
4. Installation box
5. Floor fixing
6. Stop end
7. Strain relief
8. Flexible conduit with adaptor
9. Ceiling frame
10. Ceiling fixing
11. Cable tray fixing
12. Adjustabe ceiling fixing
13. Cast iron foot
14. Floor fixing plate
15. Busbar fixing
16. Earthing kit
17. Adaptor with front plate
18. Cover



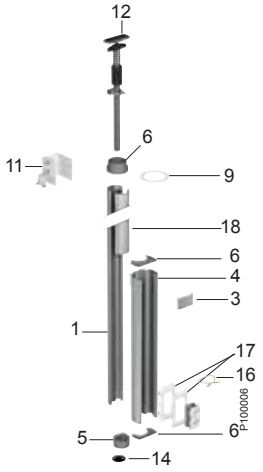
Free-standing pole



Free-standing pole with installation box



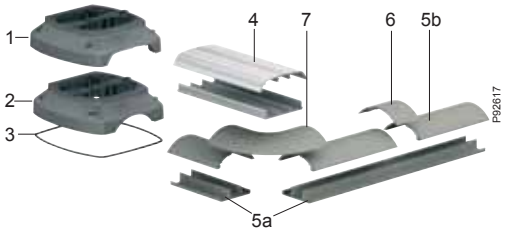
Tension-mounted pole



Tension-mounted pole with installation box

Floor feeder

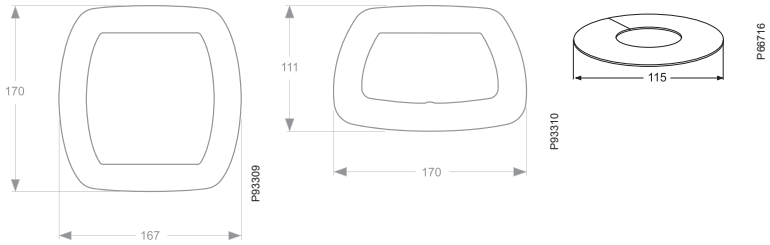
1. Floor fixing with slot for aluminium floor feeder
2. Floor fixing with slot for PVC floor feeder
3. Gasket ring
4. Floor feeder, aluminium (base profile and cover)
5. Floor feeder, PVC
   5a. Base profile
   5b. Cover
6. Floor feeder jointing piece
7. Corner feeder piece



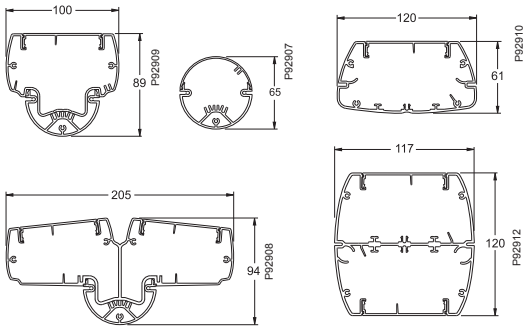
OptiLine 70 Poles
Technical description

Dimensions

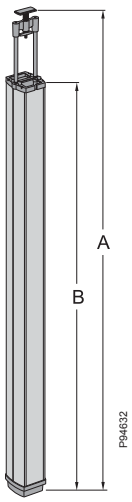
Ceiling frames



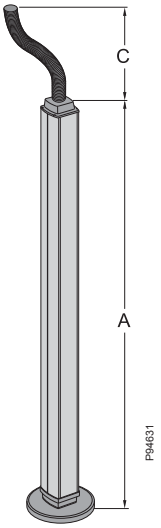
Poles



Tension-mounted poles, one/two-sided	
A **Total height, mm**	**B** **Height without ceiling fixing, mm**
Min. 3170 Max. 3570	3070
Min. 4170 Max. 4570	4070
Min. 5170 Max. 5570	5070
Min. 6170 Max. 6570	6070
Free-standing poles, one/two-sided	
A **Total height of pole, mm**	**C** **Length of flex. conduit, mm**
One-sided 2385	2000
Two-sided 2420	2000

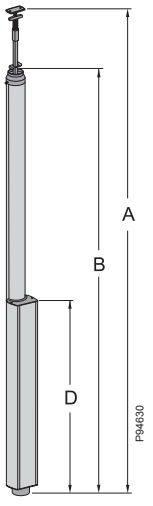


Tension-mounted poles, one-sided and two-sided

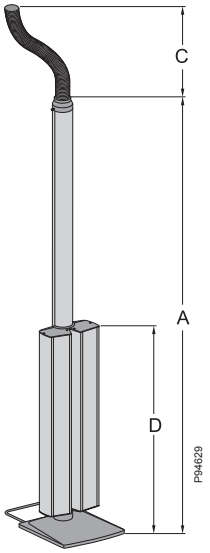


Free-standing poles, one-sided and two-sided

Tension-mounted poles, one/two boxes		
A **Total height, mm**	**B** **Height without ceiling fixing, mm**	**D** **Height of box from floor, mm**
Min. 3000 Max. 3400	2820	650
Min. 3400 Max. 3800	3220	650
Min. 3800 Max. 4200	3620	650
Min. 5100 Max. 5500	4920	650
Free-standing poles, one/two boxes		
A **Total height of pole, mm**	**C** **Length of flex. conduit, mm**	**D** **Height of box from floor, mm**
2465	2000	680



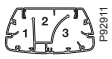
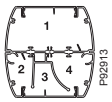
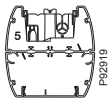
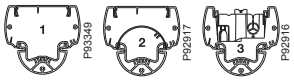
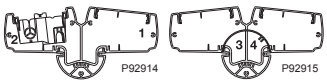
Tension-mounted poles, one and two boxes



Free-standing poles, one and two boxes

OptiLine 70 Poles
Technical description

Cable capacity

Com-partment	Max. Ø mm	Cross section area mm²	Cable capacity*) mm² 40%	50%	60%	
One-sided pole						
1	21	1418	567	709	851	
2	26	905	362	452	543	
3	36	2207	883	1103	1324	
4	18	2917	1167	1458	1750	
Two-sided pole						
1	42	4980	1992	2490	2988	 
2	23	1471	588	735	883	
3	26	900	360	450	540	
4	38	2253	901	1126	1352	
5	25	2998	1199	1488	1799	
Pole with one box						
1	49	4256	1702	2128	2553	
2	40	1825	730	912	1095	
3	22	2320	928	1160	1392	
Pole with two boxes						
1	37	4123	1649	2061	2474	
2	23	838	335	419	503	
3	20	804	322	402	482	
4	19	2215	886	1107	1329	

*) We recommend a 40% utilization of the cable capacity.

OptiLine 70 Poles
Technical description

Technical and Material data

Aluminium, extruded	Specification	EN-AW-6063
	Density	2.7 g/cm^3
	Linear expansion	2.4x10^{-5}/°C
	Surface treatment	Natural anodzing or powder coating
	Colour	White RAL 9010
Aluminium, die cast	Density	2.7 g/cm^3
	Linear expansion	2.4x10^{-5}/°C
	Surface treatment	Powder coating
	Colour	Grey RAL 9007
Cast iron	Density	7.3 g/cm
	Linear expansion	1.2x10^{-5}/°C
	Surface treatment	Coated with clear varnish
Zinc	Density	7.1 g/cm^3
	Linear expansion	2.7x10^{-5}/°C
	Surface treatment	Untreated
PC/ABS	Density	1.14 g/cm^3
	Linear expansion	70x10^{-6}/°C
	Volume resistivity	>10^{13} Ω cm
	Water absorption	0.6%
	Dielectric strength	19 kV/mm
	Fire rating	UL 94 HB
	Colour	White RAL 9010
PS (Polystyrene)	Density	1.04 g/cm^3
	Colour	White RAL 9010
	Other info	Halogen-free
PVC	Density	1.5 g/cm^3
	Linear expansion	60x10^{-6}/°C
	Volume resistivity	>10^{13} Ω cm
	Water absorption	<0.2%
	Colour	Grey RAL 7030
PC+ASA	Density	1.15 g/cm^3
	Linear expansion	80x10^{-6}/°C
	Water absorption	0.6%
	Volume resistivity	>10^{13} Ω cm
	Dielectric strength	17 kV/mm
	Fire rating	UL 94 HB
	Colour	White RAL 9010
Steel	Specification	SS 1142
	Density	7.8 g/cm^3
	Linear expansion	1.2x10^{-5}/°C
	Surface treatment	Powder coating
	Colour	White RAL 9010
Degree of protection	IP40	
Temperature range	Operating temperature from -15°C to +60°C	
Standards and certificates	The products comply with the standards: • SS 424 10 32 • IEC 1084-2-4 The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 93/68/EEC	

OptiLine 70 Posts
Presentation

Posts with 70 mm front opening

OptiLine 70 posts give a neat installation solution on all types of floors. The 70 mm front opening allows 45x45 module wiring devices and modular devices to be installed by means of adaptors. The adaptors have several unique installation benefits.

The posts have a softly rounded and compact form and are made of natural anodized aluminium with a high surface finish. They are available in one and two-sided versions.

On raised access floors and in-cavity floors the posts are fed from under the floor. On concrete floors the feeding comes from a screeded floor box. For other floors a floor feeder is available as an accessory.

One-sided posts

Two-sided posts

Altira 45x45 module wiring devices
Optimal function and design are achieved with Altira wiring devices. Altira offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats and timers.

Design, finish and quality
All OptiLine 70 posts are made of natural anodized aluminium with a high surface finish. The form is softly rounded and slendered. All parts are designed to give reliable function and easy installation.

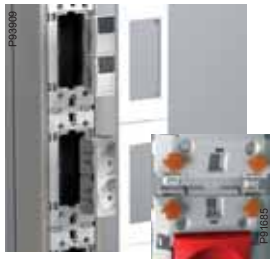
Stable and sturdy
All parts in aluminium, several are die-cast.
- Stable and sturdy design
- Reliable function
- High-quality impression.

OptiLine 70 Posts
Presentation

Optimised height
The height of the posts is optimised for two-module adaptors.
- Nice installation
- Quick and easy to mount No need for front covers
- No gaps between the outlets. Perfect final result.

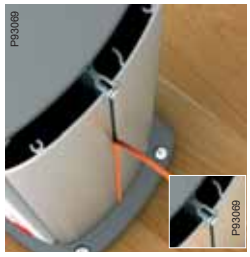
Feeding along/under the floor
Posts could be fed from the floor or along the floor.
- Floor fixing for feeding from the floor as a standard
- Floor fixing with slot for floor feeder.

Two-module adaptor
The two-module adaptor allows mounting of 45x90 mm outlets.
- Possible to use RJ45 VDI wiring devices with two or four outlets.



Adaptors with secure click-in interface
The adaptors have secure click-in interface.
- No gaps between the front plates of the wiring devices. Secures IP40 and gives a nice result
- One or more adaptors can be snapped together for a mixed power and VDI installation
- High pull-out loads of the wiring devices.

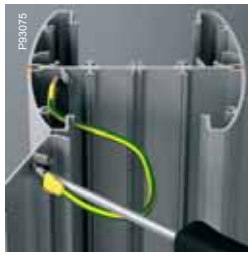
Boxes with many features
The installation boxes have several cable inlets, either in the 45° chamfered corners or in slotted entries. They also have a built-in screwless strain relief and interfaces for snap-fitting of terminal blocks and earth terminals.
- Easy connections
- Easy individual feeding to the outlets
- Easy strain relief
- The cables can be laid in
- Fast installation of pre-wired outlets.



Screw slots
Slots along both sides of the post.
- For decorative colour stripes
- For products like hooks etc.

Smooth floor fixing
Floor fixing in die-cast aluminium with smoothly shaped edges.
- Covers the sharp cut of the base profile
- No risk of damaged cables.

Wet sealing
The floor fixing can be provided with a gasket ring.
- Gasket ring included in the package
- Effective wet sealing
- Stable mounting also on slightly uneven floors.



Easy earthing
The base profile and the front cover have easily accessible earthing rails. Pre-assembled earthing kit supplied with each post.
- Quick and easy to mount
- Screwless mounting.

OptiLine 70 Posts
Choice guide

Posts					With slotted floor fixing			
		Colour	Height mm	Ref. No.				
P92201, P92204	**One-sided**	Anodized	333 613	ISM20600 ISM20603	ISM20601 ISM20604	ISM20602 ISM20605		
P92206, P92209	**Two-sided**	Anodized	333 613	ISM20606 ISM20609			ISM20607 ISM20610	ISM20608 ISM20611

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OptiLine 70 Posts
Range

Service posts

P92201
P92204

One-sided post

Empty, one-sided service post mounted on a floor fixing. Including stop end, earthing kit and mounting instruction. Gasket ring included for the floor fixing. Unearthed. Supplied without wiring devices and cables. The 70 mm front opening allows 45x45 module wiring devices and modular devices to be installed by means of adaptors.
Material: Aluminium, natural anodized.

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
For two two-module adaptors	Anodized	333/100/153	1	ISM20600
For four two-module adaptors	Anodized	613/100/153	1	ISM20603

One-sided post with slotted floor fixing

Empty, one-sided service post mounted on a slotted floor fixing. Slot for either aluminium or PVC floor feeder. Including stop end, earthing kit and mounting instruction. Gasket ring included for the floor fixing. Unearthed. Supplied without wiring devices and cables. The 70 mm front opening allows 45x45 module wiring devices and modular devices to be installed by means of adaptors.
Material: Aluminium, natural anodized.

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
P92201 P92183	For two two-module adaptors and aluminium floor feeder (18x91)	Anodized	333/100/153	1	ISM20601
P92618	For two two-module adaptors and PVC floor feeder (18x75)	Anodized	333/100/153	1	ISM20602
P92183	For four two-module adaptors and aluminium floor feeder (18x91)	Anodized	613/100/153	1	ISM20604
P92204 P92618	For four two-module adaptors and PVC floor feeder (18x75)	Anodized	613/100/153	1	ISM20605

Two-sided post

Empty, two-sided service post mounted on a floor fixing. One side provided with an aluminium front cover. Including stop end, earthing kit and mounting instruction. Gasket ring included for the floor fixing. Unearthed. Supplied without wiring devices and cables. The 70 mm front opening allows 45x45 module wiring devices and modular devices to be installed by means of adaptors.
Material: Aluminium, natural anodized.

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
P92206	For two two-module adaptors	Anodized	333/164/154	1	ISM20606
P92209	For four two-module adaptors	Anodized	613/164/154	1	ISM20609

Two-sided post with slotted floor fixing

Empty, two-sided service post mounted on a slotted floor fixing. One side provided with an aluminium front cover. Slot for either aluminium or PVC floor feeder. Including stop end, earthing kit and mounting instruction. Gasket ring included for the floor fixing. Unearthed. Supplied without wiring devices and cables. The 70 mm front opening allows 45x45 module wiring devices and modular devices to be installed by means of adaptors.
Material: Aluminium, natural anodized.

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
P92206 P92182	For two two-module adaptors and aluminium floor feeder (18x91)	Anodized	333/164/154	1	ISM20607
P92206 P92616	For two two-module adaptors and PVC floor feeder (18x75)	Anodized	333/164/154	1	ISM20608
P92209 P92182	For four two-module adaptors and aluminium floor feeder (18x91)	Anodized	613/164/154	1	ISM20610
P92209 P92616	For four two-module adaptors and PVC floor feeder (18x75)	Anodized	613/164/154	1	ISM20611

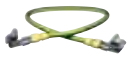
OptiLine 70 Posts
Range

Accessories for service posts

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Front cover				
P92658	Front cover to be snapped into 70 mm front openings. With earthing slots. Supplied with protective foil, in lengths of 2 m. Material: Aluminium, natural anodized.				
	Front cover	Anodized	2000/13/71	24 m	ISM11950
	Modular device adaptor, two-module, Unica				
	Adaptor, two-module, for modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC/ABS (front plate), PBT (adaptor), PC+ASA (DIN-module), metal rail.				
P92613	For 1-2 modular devices	White RAL 9010	73/80/140	1	ISM15000
P92612	For 1-2 modular devices	Alu metallic	73/80/140	1	ISM15006
	Adaptor for 45x45 module wiring devices, Unica				
	Adaptor including front plate. Suitable for 45x45 module wiring devices, type Unica. Terminal blocks and earth terminals can be snap-fitted in the adaptor. To be combined with installation box in applications requiring strain relief of cables or extra insulation. To avoid gaps between wiring devices the adaptors can be snapped into one another. Material: PC/ABS (front plate), PBT (adaptor).				
P92197	For two 45x45 module wiring devices	White RAL 9010	73/28/140	1	ISM15201
P92194	For two 45x45 module wiring devices	Alu metallic	73/28/140	1	ISM15206
	Adaptor for 45x45 module wiring devices, Altira				
P91591	Adaptor including front plate. Suitable for 45x45 module wiring devices, type Altira and similar. Terminal blocks and earth terminals can be snap-fitted in the adaptor. To be combined with installation box in applications requiring strain relief of cables or extra insulation. Altira front plate for wall applications can be snap-fitted in the adaptor. To avoid gaps between wiring devices the adaptors can be snapped into one another. Material: PC/ABS.				
	For two 45x45 module wiring devices	White RAL 9010	73/35/140	1	ISM15101
	Installation box for adaptors				
P91594	Installation box to be snap-mounted to an adaptor. The box has a built-in screwless strain relief and an interface that allows snap-fitting of terminal blocks and earth terminals, as well as cable-tie strain relieving. Slots in the box allow pre-wired wiring devices to slide in. Material: PC/ABS.				
	Box for two-module Altira/Unica adaptor	White	71/42/140	1	ISM15011
	Partition profile				
P92211	Partition profile of halogen-free material with two partition walls. Mounted in internal fixing rails of one and two-sided posts, for the separation of power and low voltage cables. Can be cut to the desired length. Material: ABS.				
	Partition profile	White	500/49/50	10	ISM20555
	Decorative stripe				
	Decorative stripe to be fitted in the slots along the sides of one and two-sided poles and posts. Supplied in lengths of 5 m. Material: Silicone rubber.				
P87191	Decorative stripe	Grey	5000/Ø3.5	5 m	ISM20822
P87192	Decorative stripe	White RAL 9010	5000/Ø3.5	5 m	ISM20823
P87193	Decorative stripe	Orange	5000/Ø3.5	5 m	ISM20824

OptiLine 70 Posts
Range

Accessories for service posts

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Earthing clamp				
P87196	Earthing clamp to be used for bonding of front cover, base profile and accessories to earth. Material: Steel.				
	Earthing clamp	—	9/9/9	20	ISM10952
	Earthing kit				
P85796 	Kit including earth wire with flat pin connectors and earthing clamps. To be used to connect the front cover to the base profile.				
	Earthing kit	Yellow/green	L = 200 L = 300	10 10	ISM10953 ISM10954
	Floor fixing with slot for floor feeder				
	Floor fixing for one or two-sided service post. Fixed to the floor by screws. With slot for connection of floor feeder 18x75 or 18x91 mm. Gasket ring included. Material: Aluminium, powder coated.				
P92183	For one-sided post and 18x91 mm aluminium floor feeder	Grey RAL 9007	45/100/153	1	ISM20650
P92182	For two-sided post and 18x91 mm aluminium floor feeder	Grey RAL 9007	45/164/154	1	ISM20651
P92618	For one-sided post and 18x75 mm PVC/aluminium floor feeder	Grey RAL 9007	45/100/153	1	ISM20652
P92616	For two-sided post and 18x75 mm PVC/aluminium floor feeder	Grey RAL 9007	45/164/154	1	ISM20653

Floor feeder and accessories

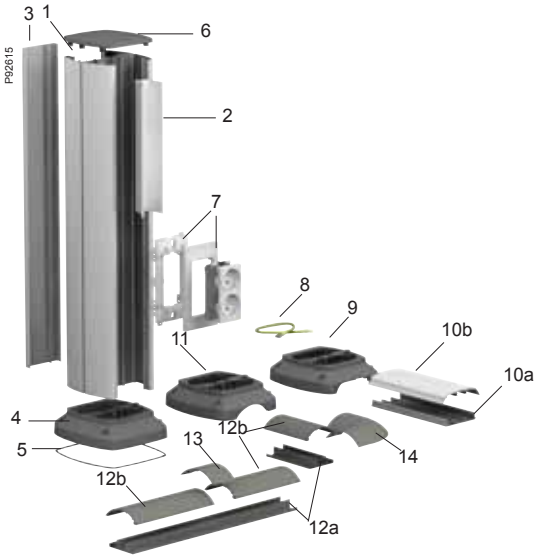
	Floor feeder, aluminium				
P92181	Floor feeder made up by a three compartment base profile and cover, supplied in lengths of 2.5 m. The base profile has punched holes to simplify mounting. Provided with screw slots for earth connection. Can be used as a separate item or in combination with a service post provided with a slotted floor fixing for 18x91 mm floor feeder. Meets load requirements according to VDE 0634 (750 N/50 mm²). Material: Aluminium, natural anodized.				
	Floor feeder	Anodized	18/91/2500	1	ISM20660
P111399	Floor feeder made up by a base part with three compartments and a cover. Supplied in lengths of 2 m. To be used for feeding along the floor to a service post provided with a slotted floor fixing for 18x75 mm floor feeder. Material: Aluminium, natural anodized.				
	Floor feeder	Anodized	18/75/2000	8 m	ISM20857
	Floor feeder, PVC				
P86523	Floor feeder made up by a base part with three compartments and a cover. Supplied in lengths of 2 m. To be used for feeding along the floor to a service post provided with a slotted floor fixing for 18x75 mm floor feeder. Material: PVC.				
	Floor feeder	Grey RAL 7030	18/75/2000	28 m	ISM20817
	Floor feeder jointing piece				
P86521	Floor feeder jointing piece to cover joints between floor feeder sections. Material: PVC.				
	Jointing piece	Grey RAL 7030	20/50/78	10	ISM20818
	Corner feeder piece				
P86522	Corner feeder piece to be used in 90 degree corners between floor feeder sections. Material: PVC.				
	Corner feeder piece	Grey RAL 7030	20/120/120	10	ISM20819

OptiLine 70 Posts
Technical description

Posts and floor feeding system

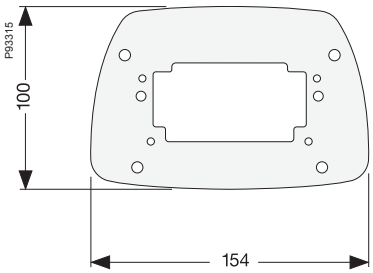
Post
1. Base profile
2. Partition profile
3. Front cover
4. Floor fixing
5. Gasket ring
6. Stop end
7. Adaptor with front plate
8. Earthing kit

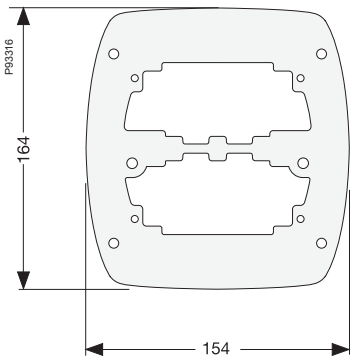
Floor feeding system
9. Floor fixing with slot for aluminium floor feeder
10. Aluminium floor feeder
    10a. Base profile
    10b. Cover
11. Floor fixing with slot for PVC floor feeder
12. PVC Floor feeder
    12a. Base profile
    12b. Cover
13. Floor feeder jointing piece
14. Corner feeder piece



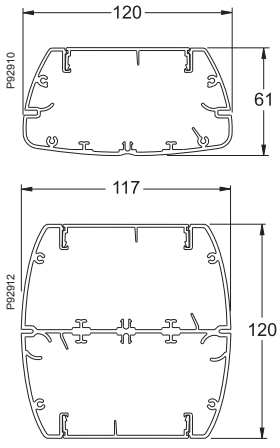
Dimensions

Floor fixings



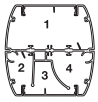
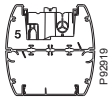


Posts



OptiLine 70 Posts
Technical description

Cable capacity

Com-part-ment	Max. Ø mm	Cross sec-tion area mm²	Cable capacity*) mm² 40%	50%	60%		
One-sided post							
1	21	1418	567	709	851	P92911	P92918
2	26	905	362	452	543		
3	36	2207	883	1103	1324		
4	18	2917	1167	1458	1750		
Two-sided post							
1	42	4980	1992	2490	2988	 P92913	 P92919
2	23	1471	588	735	883		
3	26	900	360	450	540		
4	38	2253	901	1126	1352		
5	25	2998	1199	1488	1799		

*) We recommend a 40% utilization of the cable capacity.

Technical and Material data

Aluminium, extruded	Specification	EN-AW-6063
	Density	2.7 g/cm³
	Linear expansion	2.4x10⁻⁵/°C
	Surface treatment	Natural anodizing
Aluminium, die cast	Density	2.7 g/cm³
	Linear expansion	2.4x10⁻⁵/°C
	Surface treatment	Powder coating
	Colour	Grey RAL 9007
PC/ABS	Density	1.14 g/cm³
	Linear expansion	70x10⁻⁶/°C
	Volume resistivity	>10¹³ Ω cm
	Water absorption	0.6%
	Fire rating	UL 94 HB
	Colour	White RAL 9010 Aluminium metallic (painted) White (unspecified)
PBT with 30% glass-fibre	Density	1.52 g/cm³
	Linear expansion	40-70x10⁻⁶ /°C
	Fire rating	UL 94 HB (1.5 mm)
	Colour	Light grey
PC+ASA	Density	1.15 g/cm³
	Linear expansion	80x10⁻⁶/°C
	Water absorption	0.6%
	Volume resistivity	>10¹³ Ω cm
	Dielectric strength	17 kV/mm
	Fire rating	UL 94 HB
	Colour	White RAL 9010 Aluminium metallic (painted)
PVC	Density	1.5 g/cm³
	Linear expansion	60x10⁻⁶/°C
	Volume resistivity	>10¹³ Ω cm
	Water absorption	<0.2%
	Fire rating	UL 94 V0 (0.8 mm)
	Colour	Grey RAL 7030
Degree of protection	IP40	
Temperature range	Operating temperature from -25°C to +60°C	
Standards and certificates	The products comply with the standards: • SS 424 10 32 • IEC 1084-2-4 The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 93/68/EEC	

OptiLine 70 Service boxes
Presentation

Service boxes with 70 mm front opening

OptiLine 70 service box kits provide flexible solutions for the supply of power, telecom and data to desks in offices and conference rooms. The boxes are supplied empty, intended for configuration by the customer.

Three boxes are included in the offer:

- Box for two two-module adaptors
- Box for three two-module adaptors
- Box for four two-module adaptors

All boxes are made of natural anodized aluminium with a high surface finish.

Altira 45x45 module wiring devices

Optimal function and design are achieved with Altira wiring devices. Altira offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats and timers.

Design, finish and quality

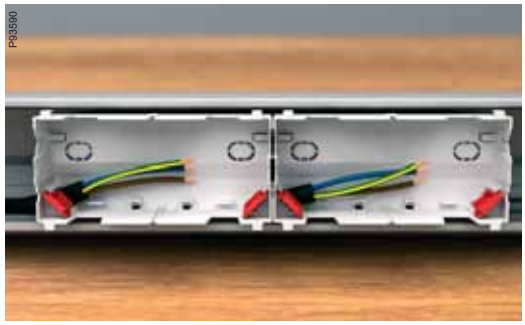
OptiLine service boxes are made of anodized aluminium with a high surface finish. All parts are designed to give reliable function and easy installation. The base profile has easily accessible earthing rails. Pre-assembled earthing kit supplied with each box.

OptiLine 70 Service boxes
Presentation

Kits for easy ordering
The boxes are delivered as kits including base profile, stop ends/desk fixings, cable lead-through and screws.
- Easy to order – only one reference number
- Quick and easy to mount.

Optimised length
The length of the service boxes is optimised for two-module adaptors.
- Quick and easy to install. No need for front covers.
- No gaps between the outlets. Perfect final result.

Adaptors with secure click-in interface
The adaptors have secure click-in interface.
- No gaps between the front plates of the wiring devices. Secures IP40 and gives a nice result.
- One or more adaptors can be snapped together for a mixed power and VDI installation
- High pull-out loads of the wiring devices.



Boxes with many features
The installation boxes have several cable inlets, either in the 45° chamfered corners or in slotted entries. They also have a built-in screwless strain relief and interfaces for snap-fitting of terminal blocks and earth terminals.
- Easy connections
- Easy individual feeding to the outlets
- Easy strain relief
- The cables can be laid in
- Fast installation of pre-wired outlets.

Nice installation
The boxes are fixed to the desk-top in a 15° angle.
- Nice installation
- Easy access to the outlets
- Nice, compact installation when placed back to back.

Stop end/desk fixing for all needs
The combined stop end/desk fixing allows mounting of the box either standing on the desk-top or hanging from under it.

Feeding from the ceiling
The boxes can be fed by a ceiling cable feeder of aluminium with a flexible conduit.
- Safe installation for stationary workplaces
- Suitable also for movable or adjustable desks.

OptiLine 70 Service boxes
Range

Service box kits

	Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Service box kit				
	Service box kit intended for two, three or four two-module adaptors for 45x45 module wiring devices. Including base profile, stop ends/desk fixings, cable lead-through and screws. The stop ends/desk fixings allow mounting of the service box either standing on the desk-top or hanging from under it. Material: Aluminium, natural anodized.				
P92650	For two two-module adaptors	Anodized	100/67/286	1	ISM20700
P92652	For three two-module adaptors	Anodized	100/67/426	1	ISM20701
P92654	For four two-module adaptors	Anodized	100/67/566	1	ISM20702
	Service box, customer adapted				
	Service box according to special customer order. The box can be specified *in optional length and colour*. Implies a detailed specification. Material: Aluminium.				
	Acc. to customer spec.	Optional	100/67/Optional	—	ISMSPDU
	Stop end/desk fixing with hole for flexible conduit				
	Stop end/desk fixing, left or right, for the above service box kits, including screws. With hole for flexible conduit Ø25 mm, allowing cables to be fed into the box from either end. The stop ends/desk fixings allow mounting of the service box either standing on the desk-top or hanging from under it. Material: Steel, powder coated.				
P92656	Stop end/desk fixing, left	Grey RAL 9007	104/61/22	1	ISM20750
P92657	Stop end/desk fixing, right	Grey RAL 9007	104/61/22	1	ISM20751
	Mounting clamp				
P92210	Desk mounting clamp for the above service box kits. To be clamped around the desk-top and the fixing part of the stop ends/desk fixings. Material: Steel, powder coated.				
	Mounting clamp	Grey RAL 9007	118/55/40	2	ISM20752

Accessories for service boxes

	Adaptor for 45x45 module wiring devices, Unica				
	Adaptor including front plate. Suitable for 45x45 module wiring devices, type Unica. Terminal blocks and earth terminals can be snap-fitted in the adaptor. To be combined with installation box in applications requiring strain relief of cables or extra insulation. To avoid gaps between wiring devices the adaptors can be snapped into one another. Material: PC/ABS (front plate), PBT (adaptor).				
P92197	For two 45x45 module wiring devices	White RAL 9010	73/28/140	1	ISM15201
P97194	For two 45x45 module wiring devices	Alu metallic	73/28/140	1	ISM15206
	Adaptor for 45x45 module wiring devices, Altira				
	Adaptor including front plate. Suitable for 45x45 module wiring devices, type Altira and similar. Terminal blocks and earth terminals can be snap-fitted in the adaptor. To be combined with installation box in applications requiring strain relief of cables or extra insulation. Altira front plate for wall applications can be snap-fitted in the adaptor. To avoid gaps between wiring devices the adaptors can be snapped into one another. Material: PC/ABS.				
P91591	For two 45x45 module wiring devices	White RAL 9010	73/35/140	1	ISM15101

OptiLine 70 Service boxes
Range

Accessories for service boxes

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Modular device adaptor, two-module, Unica				
Adaptor, two-module, for modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC/ABS (front plate), PBT (adaptor), PC+ASA (DIN-module), metal rail.				
For 1-2 modular devices	White RAL 9010	73/80/140	1	ISM15000
For 1-2 modular devices	Alu metallic	73/80/140	1	ISM15006
Installation box for adaptors				
Installation box to be snap-mounted to an adaptor. The box has a built-in screwless strain relief and an interface that allows snap-fitting of terminal blocks and earth terminals, as well as cable-tie strain relieving. Slots in the box allow pre-wired wiring devices to slide in. Material: PC/ABS.				
Box for two-module Altira/Unica adaptor	White	71/42/140	1	ISM15011
Front cover				
Front cover to be snapped into 70 mm front openings. With earthing slots. Supplied with protective foil, in lengths of 2 m. Material: Aluminium, natural anodized.				
Front cover	Anodized	71/13/2000	24 m	ISM11950
Ceiling cable feeder				
Cable feeder including base profile with separation wall and cover. Diameter 52 mm. For cable feeding from ceiling to work-desk. Material: Aluminium, natural anodized or powder coated.				
Cable feeder	Anodized White RAL 9010	3200/Ø52	1	ISM20800 ISM20801
Desk lead-through				
Round guide bushing with flange and locking device. For lead-through of ceiling cable feeder through desktop. Material: Aluminium, powder coated.				
Desk lead-through	Grey RAL 9007 White RAL 9010	70/Ø80	1	ISM20802 ISM20803
Feeder adaptor				
Adaptor for ceiling cable feeder. To be used as connection for flexible conduit Ø55 mm. Material: Aluminium, powder coated.				
Adaptor	Grey RAL 9007 White RAL 9010	25/Ø58.5	1	ISM20804 ISM20805
Flexible conduit				
Flexible conduit, Ø55 mm, to be used to bring cables from ceiling to cable feeder. Material: PUR (polyurethane).				
Flexible conduit	Alu metallic White NCS	2000/Ø55	2 m	ISM20806 ISM20807
Ceiling frame				
Ceiling frame intended to lead flexible conduit through false ceiling. To be mounted in circular hole, Ø125 mm, by using three included clamps. Also including a slotted plastic plate to be used to lock the flexible conduit, which is fixed by cable ties. The plate can also be used as a drill template for entrance hole Ø125 mm. Material: PC/ABS.				
Ceiling frame	White RAL 9010	89/Ø161	1	ISM20812
Cable tray fixing				
Cable tray fixing including fixing material, intended to connect flexible conduit to cable tray. Gripping around cable tray. Material: Steel, powder coated.				
Cable tray fixing	White RAL 9010	100/15/70	1	ISM20813
Ceiling fixing				
Ceiling fixing intended to connect flexible conduit to ceiling or wall. Fixings not included. Material: Aluminium, powder coated.				
Ceiling fixing	White RAL 9010	50/156/90	1	ISM20816

P92613

P92612

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OptiLine 70 Service boxes
Technical description

Accessories for service boxes

P94503

Type	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
Busbar fixing				
Busbar fixing for Ø55 mm conduits, intended to connect flexible conduit to busbar trunking. Material: Steel, powder coated.				
Busbar fixing	White RAL 9010	105/90/70	1	ISM20815

P85796

Earthing kit				
Kit including earth wire with flat pin connectors and earthing clamps. To be used to connect the front cover to the base profile.				
Earthing kit	Yellow/green	L = 200 L = 300	10 10	ISM10953 ISM10954

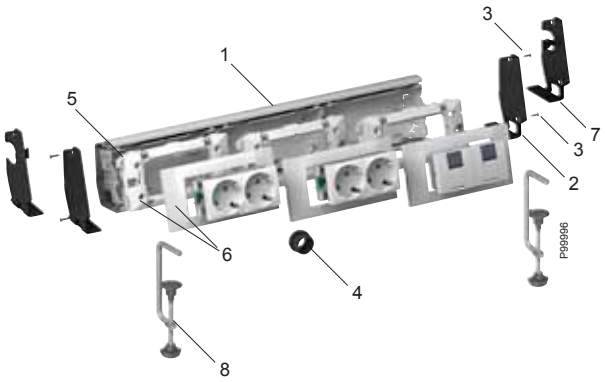
P87196

Earthing clamp				
Earthing clamp to be used for bonding of front cover, base profile and accessories to earth. Material: Steel.				
Earthing clamp	—	9/9/9	20	ISM10952

OptiLine 70 Service boxes
Technical description

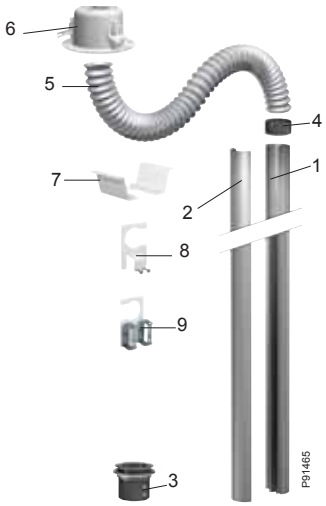
Service box

Service box kit with accessories
1 Base profile
2. Stop end/desk fixing
3. Screws for stop end/desk fixing
4. Cable lead-through
5. Installation box (accessory)
6. Adaptor with front plate (accessory)
7. Stop end/desk fixing with hole for Ø25 mm flexible conduit (accessory)
8. Mounting clamp (accessory)



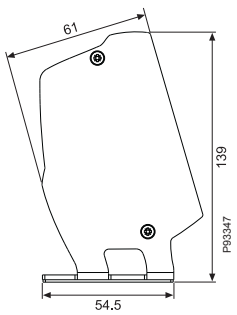
Ceiling cable feeder

Ceiling cable feeder
1. Base profile
2. Cover
3. Desk lead-through
4. Feeder adaptor
5. Flexible conduit
6. Celing frame with clamps and locking plate
7. Ceiling fixing
8. Cable tray fixing
9. Busbar fixing

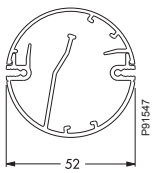


Dimensions

Service box



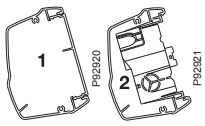
Ceiling cable feeder



OptiLine 70 Service boxes
Technical description

Cable capacity

Compart-ment	Max. Ø mm	Cross section area mm²	Cable capacity*) mm² 40%	50%	60%
Service box					
1	42	3165	1266	1583	1899
2	13	1300	520	650	780
Ceiling cable feeder					
1	18	640	256	320	384
2	24	1046	418	523	628



*) We recommend a 40% utilization of the cable capacity.

Technical and Material data

Aluminium	Specification	EN-AW-6063
	Density	2.7 g/cm³
	Linear expansion	2.4x10⁻⁵/°C
	Surface treatment	Natural anodizing or powder coating
	Colour of powder coating	• White RAL 9010 • Grey RAL 9007
Steel	Specification	SS 1142
	Density	7.8 g/cm³
	Linear expansion	1.2x10⁻⁵/°C
	Surface treatment	Powder coating
	Colour	• White RAL 9010 • Grey RAL 9007
PC/ABS	Density	1.14 g/cm³
	Linear expansion	70x10⁻⁶/°C
	Volume resistivity	>10¹³ Ω cm
	Water absorption	0.6%
	Fire rating	UL 94 HB
	Colour	• White RAL 9010 • Aluminium metallic • White (unspecified)
PUR (polyurethane)	Density	1.2 g/cm³
	Colour	• White NCS S 0402-B91G • Aluminium metallic
PBT with 30% glass-fibre	Density	1.52 g/cm³
	Linear expansion	40-70x10⁻⁶ /°C
	Fire rating	UL 94 HB (1.5 mm)
	Colour	Light grey
PC+ASA	Density	1.15 g/cm³
	Linear expansion	80x10⁻⁶/°C
	Water absorption	0.6%
	Volume resistivity	>10¹³ Ω cm
	Dielectric strength	17 kV/mm
	Fire rating	UL 94 HB
	Colour	• White RAL 9010 • Aluminium metallic
Degree of protection	IP40	
Temperature range	Operating temperature from -25°C to +60°C	
Standards and certificates	The products comply with the standards: • SS 424 10 32 • IEC 1084-2-4 The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 93/68/EEC	

OptiLine 70
Reference number overview

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Schneider Electric Industries SAS
35 rue Joseph Monier
92500 Rueil-Malmaison
France
www.schneider-electric.com

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