

# 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



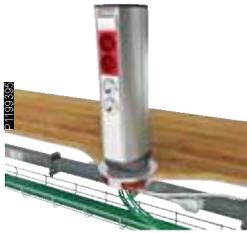
#### Two-sided posts



#### Two-sided posts for floor grommet

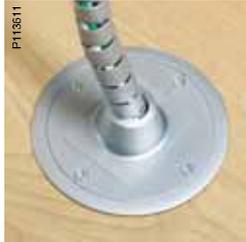


# OptiLine 45 Posts Presentation



### 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 slender. 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

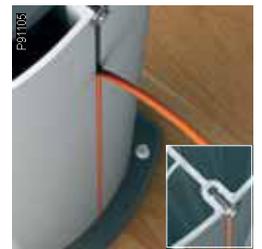
- Floor fixing for feeding from the floor as a standard
- Floor fixing with slot for floor feeder as an accessory



### 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 can 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.
<b>With floor fixing</b> 			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
<b>With floor fixing for floor grommet</b> 			Anodized aluminium White	430 430	ISM20220 ISM20203
<b>With slotted floor fixing</b> 			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

	Type	Colour	Dimensions A/B/C (mm)		Qty per package	Ref. No.
<b>Post with floor fixing</b>						
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.						
P100653 P86534	One-sided For up to six 45x45 module wiring devices	Anodized White	430/68/89		1	ISM20210 ISM20211
	One-sided For up to twelve 45x45 module wiring devices	Anodized White	700/68/89		1	ISM20200 ISM20201
P100687 P87203	Two-sided For up to six 45x45 module wiring devices on each side	Anodized White	430/116/90		1	ISM20212 ISM20213
	Two-sided For up to twelve 45x45 module wiring devices on each side	Anodized White	700/116/90		1	ISM20202 ISM20203
P117517 P117518	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	ISM20220 ISM20221
<b>Post with slotted floor fixing</b>						
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.						
P104015 P103999	One-sided For up to six 45x45 module wiring devices	Anodized White	430/68/89		1	ISM20215 ISM20216
	One-sided For up to twelve 45x45 module wiring devices	Anodized White	700/68/89		1	ISM20205 ISM20206
P104044 P104043	Two-sided For up to six 45x45 module wiring devices on each side	Anodized White	430/116/90		1	ISM20217 ISM20218
	Two-sided For up to twelve 45x45 module wiring devices on each side	Anodized White	700/116/90		1	ISM20207 ISM20208
<b>Post, customer adapted</b>						
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 <i>in optional length and colour</i> . Implies a detailed specification. Material: Aluminium.						
	Acc. to customer spec.	Optional	Optional/—*/—*		—	ISMSPPT
*Two different measurements, see above						

# OptiLine 45 Posts Range

## Accessories for service posts

Type	Colour	Dimensions A/B/C (mm)		Qty per package	Ref. No.
<b>Floor fixing with slot for floor feeder</b>					
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	ISM20820
For two-sided post	Grey RAL 9007	38/125/156		1	ISM20821
<b>Floor feeder, PVC</b>					
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
<b>Floor feeder, aluminium</b>					
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
<b>Floor feeder jointing piece</b>					
Floor feeder jointing piece to cover joints between floor feeder sections. Material: PVC.					
Jointing piece	Grey RAL 7030	20/50/78		10	ISM20818
<b>Corner feeder piece</b>					
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
<b>Floor feeder adaptor</b>					
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	ISM20826
Adaptor	Alu metallic	60/63/110		1	ISM20827
<b>Floor grommet</b>					
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
<b>Partition profile</b>					
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	ISM20825

P87188



P87189



P86523



P111399



P86021



P86022



P87186



P87187



P103324



P87194



# OptiLine 45 Posts Range

## Accessories for service posts

Type	Colour	Dimensions A/B/C (mm)		Qty per package	Ref. No.
<b>Front cover</b>					
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	ISM10950
Front cover	White RAL 9010	45/16/2000		24 m	ISM10960
<b>Decorative stripe</b>					
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	ISM20822
Decorative stripe	White RAL 9010	5000/Ø3.5		5 m	ISM20823
Decorative stripe	Orange	5000/Ø3.5		5 m	ISM20824
<b>Earthing clamp</b>					
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
<b>Earthing kit</b>					
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
<b>Modular device adaptor</b>					
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	ISM10907
Modular device adaptor	Alu metallic	90/72/45		1	ISM10957
<b>Front locking clip</b>					
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

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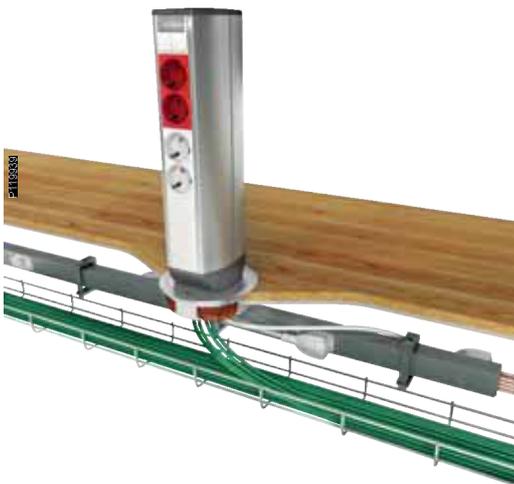
# OptiLine 45 Posts

## Technical description



### Technical and Material data

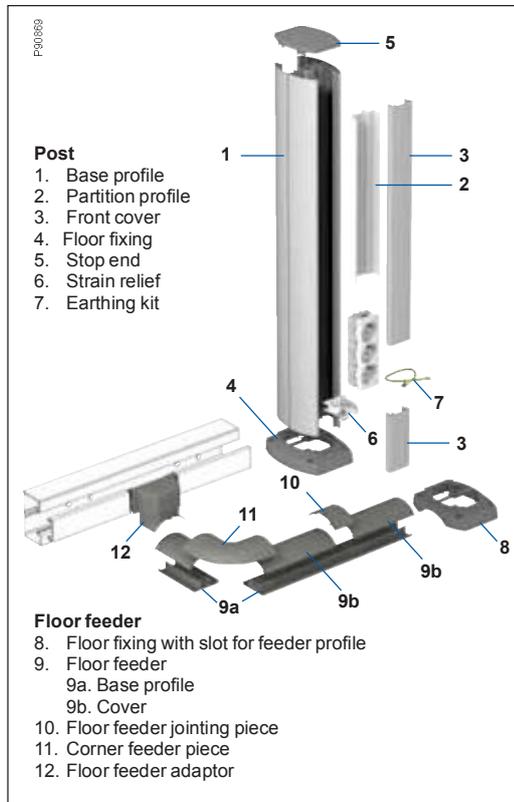
Aluminium, extruded	Specification	EN-AW-6063
	Density	2.7 g/cm <sup>3</sup>
	Linear expansion	2.4x10 <sup>-5</sup> /°C
	Surface treatment	Natural anodizing or powder coating
coating	Colour	White RAL 9010
	Colour	White RAL 9010
Aluminium, die cast	Density	2.7 g/cm <sup>3</sup>
	Linear expansion	2.4x10 <sup>-5</sup> /°C
	Surface treatment	Powder coating
	Colour	Grey RAL 9007
PVC	Density	1.5 g/cm <sup>3</sup>
	Linear expansion	60x10 <sup>-6</sup> /°C
	Volume resistivity	>10 <sup>13</sup> Ω cm
	Water absorption	<0.2%
	Colour	Grey RAL 7030
PC/ABS	Density	1.14 g/cm <sup>3</sup>
	Linear expansion	70x10 <sup>-6</sup> /°C
	Volume resistivity	>10 <sup>13</sup> Ω cm
	Water absorption	0.6%
	Volume resistivity	>10 <sup>13</sup> 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 <sup>3</sup>
	Linear expansion	80x10 <sup>-6</sup> /°C
	Water absorption	0.6%
	Volume resistivity	>10 <sup>13</sup> Ω cm
	Dielectric strength	17 kV/mm
	Fire rating	UL 94 HB
Steel	Specification	SS 1142
	Density	7.8 g/cm <sup>3</sup>
	Linear expansion	1.2x10 <sup>-5</sup> /°C
Degree of protection	IP30	
Temperature range	Operating temperature from -25°C to +60°C	
Standards and certificates	The products comply with the standards:	
	<ul style="list-style-type: none"> <li>• EN 50085-1 : 2005</li> <li>• NFC 68 102 (French national standard)</li> </ul>	
	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



### Cable capacity

Comp.	Max Ø mm	Cross section area mm <sup>2</sup>	Cable capacity*) mm <sup>2</sup>			
			40%	50%	60%	
<b>One-sided post</b>						
1	41	4220	1688	2110	2532	F80032
<b>One-sided post with partition profile</b>						
1	39	1799	720	900	1079	F80031
2	15	1106	442	553	663	
<b>Two-sided post without and with partition profile</b>						
1	41	3747	1499	1874	2248	F80033
2	16	871	348	435	523	
3	39	1799	720	900	1079	

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

### Design and dimensions

