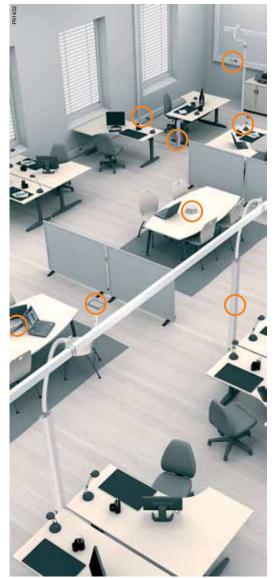
OptiLine 45

The 45 direct Click-in installation system



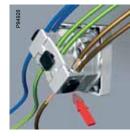
Electrical, telephone and data installations must be easy to install, safe to use and flexible enough to ensure that changes are easy to make. The design of the visible parts must also set the right tone in the office. OptiLine 45 direct clic-in installation system provide integrated installation solutions 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.









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 pullout 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-toback or against a wall
- The adjustable ceiling fixing for tension-mounted poles can be fitted easily without tools. Springloaded. 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, prewired 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.

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

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 compartments



165x55 With two compartments, especially intended for VDI installations



185x55 compartments

Aluminium Trunking



75x55 With one



95x55 With one



140x55 With one compartment



165x55 With two compartments



185x55 With two compartments

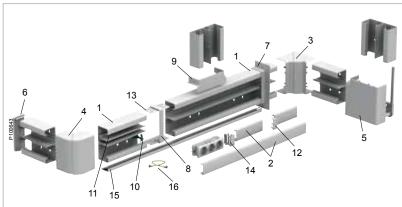
The complete trunking system



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.



- 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
- 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)

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.



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.

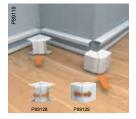
- Extra long drills and bits to avoid damaging the front when using a drilling machine
- · Fixings suitable for any material
- · Screws for PVC trunking
- Screws to be used together with singleinsulated wires.



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.



Adjustable corners

The adjustable corners are delivered in one piece.

- Easy and quick to mount
- · No adaptations needed.



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

- High pull-out loads on the wiring devices
 Design aligned





- 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

- · The cables can be laid in without threading
- Very easy to feed cables between the compartments
- Cables and outlets can be separated.



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

- 5-15 mm coverage
- Easy cleaningSolid 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.

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 capacitySpace enough for 3x2.5 mm² 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.



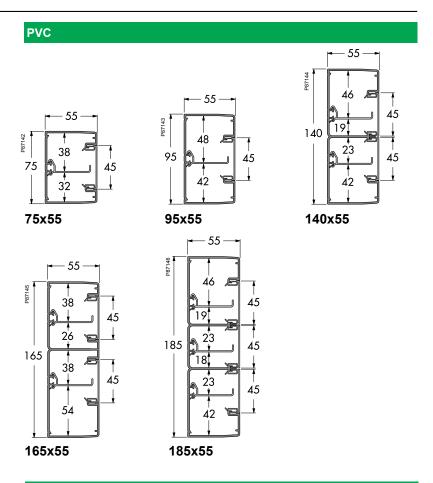
Easy earthing of

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

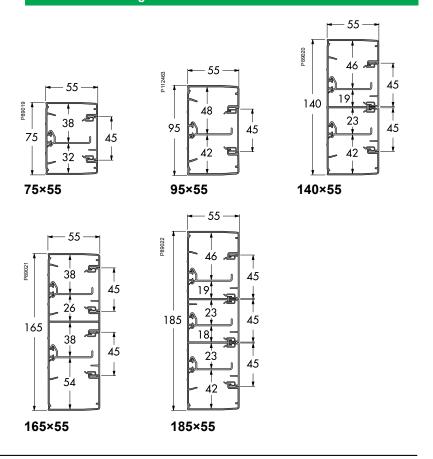
- · Easy to order
- · Quick and easy to mount
- · Screwless mounting.



Dimensions



Aluminium 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.



Com-	Fill factor	
part- ment	100%	50%
mem	Inner area	Inner area
	3508 mm ²	1754 mm ²
	4505 mm ²	2253 mm ²

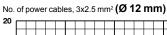


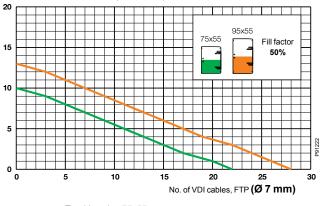


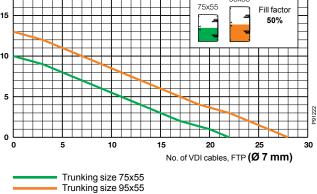
75x55 and 95x55 with Altira outlets

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

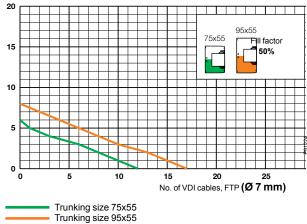
Com-	Fill factor							
part- ment	100%	50%						
mem	Inner area	Inner area						
	2385 mm ²	1193 mm²						
	3382 mm ²	1691 mm ²						







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



140x55 without outlets If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

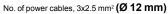


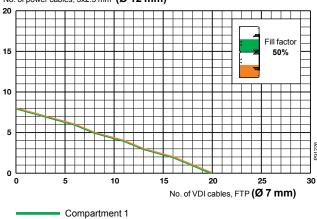
Com-	Fill factor						
part- ment	100%	50%					
mem	Inner area	Inner area					
	3303 mm ²	1652 mm ²					
	3303 mm ²	1652 mm ²					

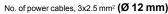
140x55 with Altira outlets

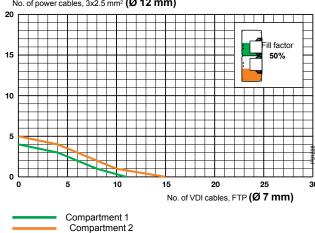
If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

Com- part- ment	Fill factor 100% Inner area	50% Inner area
	2180 mm ²	1090 mm²
	2180 mm ²	1090 mm ²









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

Compartment 2

Cable capacity



165x55 (VDI) without outlets

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

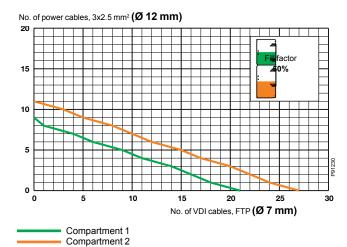
Com-	Fill factor						
part- ment	100%	50%					
mem	Inner area	Inner area					
	3374 mm ²	1687 mm ²					
	4358 mm ²	2179 mm ²					

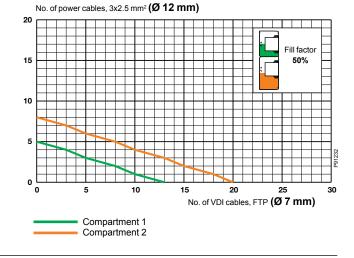


165x55 (VDI) with Altira outlets

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

Com- part- ment	Fill factor 100% 50%						
ment	Inner area	Inner area					
	2251 mm ²	1126 mm ²					
	3235 mm ²	1618 mm ²					





185x55 without outlets

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

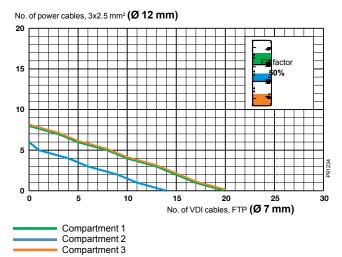
Com-	Fill factor					
part- ment	100%	50%				
ment	Inner area	Inner area				
	3218 mm ²	1609 mm ²				
	2187 mm ²	1094 mm ²				
	3218 mm ²	1609 mm ²				

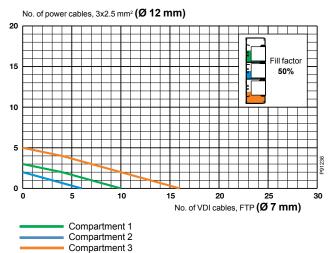


185x55 with Altira outlets

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

Com-	Fill factor						
part- ment	100%	50%					
mem	Inner area	Inner area					
	2095 mm ²	1048 mm ²					
	1064 mm ²	532 mm ²					
	2095 mm ²	1048 mm ²					





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

OptiLine 45 Trunking Choice guide

Frunking and a	ccessorie	es										
				-							1	
	Trunking ir separate fr		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	ISM10100 ISM10110	24 m	ISM10101	1	ISM10102	1	ISM10103	1	ISM10104	2	ISM10105	1
95x55	ISM10200	12 m	ISM10201	1	ISM10202	1	ISM10203	1	ISM10204	2	ISM10205	1
140x55	ISM10300 ISM10310	12 m	ISM10301	1	ISM10302	1	ISM10303	1	ISM10304	2	ISM10305	1
759.458d	ISM10400	12 m	ISM10401	1	ISM10402	1	ISM10403	1	ISM10404	2	ISM10405	1
185x55	ISM10500	8 m	ISM10501	1	ISM10502	1	ISM10503	1	ISM10504	2	ISM10505	1
Aluminium 75x55	ISM10150	12 m	ISM10151	1	ISM10152	1	ISM10153	1	ISM10154	2	ISM10155	1
95x55	ISM10250	12	ISM10251	1	ISM10252	1	ISM10253	1	ISM11254	2	ISM10255	1
140x55 \$984884	ISM10350	6 m	ISM10351	1	ISM10352	1	ISM10353	1	ISM10354	2	ISM10355	1
984.58d	ISM10450	6 m	ISM10451	1	ISM10452	1	ISM10453	1	ISM10454	2	ISM10455	1
185x55	ISM10550	6 m	ISM10551	1	ISM10552	1	ISM10553	1	ISM10554	2	ISM10555	1

-00	-				di.								
Joint cover piece, kit incl. jointing pieces		T-piece single compartment feeder		T-piece double com- partment 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 pe
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	1	ISM10308	1	ISM10900	24 m	ISM10950	24 m	ISM10903	5	ISM10904	10
ISM10406	1	ISM10207 ISM10208	1	ISM10308	1	ISM10900	24 m	ISM10950	24 m	ISM10903	5	ISM10904	10
ISM10506	1	ISM10207 ISM10208	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	1	ISM10358	1	_	_	ISM10950	24 m	ISM10951	5	ISM10904	10
ISM10456	1	ISM10357 ISM10258	1	ISM10358	1	_	-	ISM10950	24 m	ISM10951	5	ISM10904	10
ISM10556	1	ISM10357 ISM10258	1	ISM10358	1	_	_	ISM10950	24 m	ISM10951	5	ISM10904	10

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OptiLine 45 TrunkingRange

		Туре	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
		Installation trunking				
		Installation trunking including one-concesses every 25th cm and can be providevices.	ided with cable shelves.	45 mm front opening for direct click	k-in of Altira 45x	45 module wirin
		Trunking base and front cover are so available in lengths of 3 m. Material: PVC.	upplied unassembled und	der separate protective foil, in leng	tns of 2 m. Size	75 mm is also
		With one compartment	White RAL 9010	75/55/2000 75/55/3000	24 m	ISM10100 ISM10110
		With one compartment	White RAL 9010	95/55/2000	12 m	ISM10200
		Installation trunking including two or mounting holes every 25th cm and ca 25th cm to facilitate cable laying. 45 the Trunking base and front cover are stavailable in lengths of 3 m. Material: PVC.	an be provided with cable mm front opening for dire	shelves. The integrated partition vectorick-in of Altira 45x45 module w	wall has pre-pun iring devices.	iched slots ever
		With two compartments	White RAL 9010	140/55/2000 140/55/3000	12 m	ISM10300 ISM10310
		With two compartments, the lower comp. for VDI appl.	White RAL 9010	165/55/2000	12 m	ISM10400
		With three compartments	White RAL 9010	185/55/2000	8 m	ISM10500
CCE	essories for PVC	trunking				
CC€	essories for PVC	trunking Internal corner				
СС	essories for PVC		-100 degree angling of P	VC trunking.		
C	essories for PVC	Internal corner Adjustable internal corner for an 80-	-100 degree angling of P White RAL 9010	VC trunking. 84/117/117	1	ISM10101
C	essories for PVC	Internal corner Adjustable internal corner for an 80- Material: PC/ABS.			1 1	ISM10101 ISM10201
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55	White RAL 9010 White RAL 9010 White RAL 9010	84/117/117 104/117/117 149/117/117	1	ISM10201 ISM10301
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55	White RAL 9010 White RAL 9010 White RAL 9010 White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117	1 1 1	ISM10201 ISM10301 ISM10401
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55	White RAL 9010 White RAL 9010 White RAL 9010	84/117/117 104/117/117 149/117/117	1	ISM10201 ISM10301
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55	White RAL 9010 White RAL 9010 White RAL 9010 White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117	1 1 1	ISM10201 ISM10301 ISM10401
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55	White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117 194/117/117	1 1 1	ISM10201 ISM10301 ISM10401
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75—	White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117 194/117/117	1 1 1	ISM10201 ISM10301 ISM10401 ISM10501
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS.	White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117 194/117/117	1 1 1	ISM10201 ISM10301 ISM10401
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS. For trunking 75x55	White RAL 9010 White RAL 9010 135 degree angling of P\ White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 /C trunking.	1 1 1 1	ISM10201 ISM10301 ISM10401 ISM10501 ISM10102 ISM10202
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS. For trunking 75x55 For trunking 95x55	White RAL 9010 White RAL 9010 White RAL 9010 White RAL 9010 White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 /C trunking. 84/105/105	1 1 1 1 1 1	ISM10201 ISM10301 ISM10401 ISM10501 ISM10502 ISM10202 ISM10302
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS. For trunking 95x55 For trunking 95x55 For trunking 140x55	White RAL 9010 135 degree angling of PV White RAL 9010 White RAL 9010 White RAL 9010 White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 /C trunking. 84/105/105 104/105/105	1 1 1 1 1 1 1	ISM10201 ISM10301 ISM10401 ISM10501 ISM10501 ISM10102 ISM10202 ISM10302 ISM10402
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS. For trunking 95x55 For trunking 140x55 For trunking 140x55 For trunking 165x55 For trunking 165x55 For trunking 185x55	White RAL 9010 135 degree angling of PV White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 /C trunking. 84/105/105 104/105/105 149/105/105 174/105/105	1 1 1 1 1 1 1 1	ISM10201 ISM10301 ISM10401 ISM10501
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS. For trunking 95x55 For trunking 95x55 For trunking 140x55 For trunking 140x55 For trunking 165x55	White RAL 9010 135 degree angling of P\ White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 /C trunking. 84/105/105 104/105/105 149/105/105 174/105/105	1 1 1 1 1 1 1 1 1	ISM10201 ISM10301 ISM10401 ISM10501 ISM10501 ISM10102 ISM10202 ISM10302 ISM10402 ISM10502
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 Bend, 90°, kit 90 degree bend kit for angling upwato the wall.	White RAL 9010 135 degree angling of P\ White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 /C trunking. 84/105/105 104/105/105 149/105/105 174/105/105	1 1 1 1 1 1 1 1 1	ISM10201 ISM10301 ISM10401 ISM10501 ISM10501 ISM10102 ISM10202 ISM10302 ISM10402 ISM10502
Ce	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS. For trunking 95x55 For trunking 140x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 Bend, 90°, kit 90 degree bend kit for angling upwa to the wall. Material: PC/ABS.	White RAL 9010 135 degree angling of P\ White RAL 9010 White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 /C trunking. 84/105/105 104/105/105 149/105/105 174/105/105 194/105/105	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ISM10201 ISM10301 ISM10401 ISM10501 ISM10102 ISM10202 ISM10302 ISM10402 ISM10502
C	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS. For trunking 95x55 For trunking 140x55 For trunking 140x55 For trunking 165x55 For trunking 185x55	White RAL 9010 135 degree angling of PN White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 /C trunking. 84/105/105 104/105/105 149/105/105 174/105/105 194/105/105	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ISM10201 ISM10301 ISM10401 ISM10501 ISM10102 ISM10202 ISM10302 ISM10402 ISM10502 et to be screw-fit
cce	essories for PVC	Internal corner Adjustable internal corner for an 80-Material: PC/ABS. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS. For trunking 95x55 For trunking 140x55 For trunking 140x55 For trunking 140x55 For trunking 185x55 Bend, 90°, kit 90 degree bend kit for angling upwa to the wall. Material: PC/ABS. For trunking 75x55 For trunking 75x55 For trunking 95x55 For trunking 95x55	White RAL 9010 135 degree angling of PN White RAL 9010	84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 /C trunking. 84/105/105 104/105/105 149/105/105 174/105/105 194/105/105	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ISM10201 ISM10301 ISM10401 ISM10501 ISM10102 ISM10202 ISM10302 ISM10402 ISM10502 Et o be screw-fi ISM10103 ISM10103 ISM10103

essories for PVC tr	Туре	Colour	Dimensions A	Qty per	Ref. No.
	турс	Coloui	A/B/C (mm)	package	1101.110.
	Stop end				
	Stop end for PVC trunking. Fast fittir Material: PC/ABS.	ng with locking clips. Scre	ew-fixing possible for extra security	v. Package of two) .
	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 aroun how the passage is made. Snap-fitte Material: PC/ABS.			l to C or L-profile	depending or
	For trunking 75x55	White RAL 9010	130/82/22	1	ISM10105
- 1	For trunking 95x55	White RAL 9010	150/82/22	1	ISM10205
	For trunking 140x55	White RAL 9010	195/82/22	1	ISM10305
- 1	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 mou sections. Easy to remove in case of Material: PC/ABS.			nts between two	PVC trunking
-010-	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
- T. P.	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 Material: PC/ABS.	and horizontal PVC trun	king of various sizes.		
No. of London	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
	Front cover Front cover to be snap-fitted in trunk Material: PVC or aluminium.	ing with a 45 mm front op	pening. Supplied with protective fo	il, in lengths of 2	m.
100	Front cover, PVC	White RAL 9010	45/16/2000	24 m	ISM10900
	Front cover, aluminium, with earthing slots	Anodized	45/16/2000	24 m	ISM10950
1	Cable retainer				
	Oubic retainer				
_	Cable retainer to be mounted at the remove the retainer when fitting the Material: PA.			installation phas	se. No need to



		Туре	Colour	Dimensions A	Qty per	Ref. No.
		Cable shelf		A/B/C (mm)	package	
			than tar at Para bases are a Salta a	and the state of t	L H	
		Single cable shelf to be mounted in lengths of 1 m. Material: PVC.	the trunking base, providing	separation between power and	low voltage cab	ies. Supplied ir
4		Cable shelf	White RAL 9010	17/47/1000	24 m	ISM10902
		Joint cover piece for front cover				
		Joint cover piece intended to cover Material: PC/ABS.	joints between two front cov	ers. Package of five.		
		Joint cover piece for PVC front cover	White RAL 9010	47/20/23	5	ISM10903
		Joint cover piece for aluminium fror cover	t Alu metallic	47/20/23	5	ISM10951
		Jointing piece				
		Internal jointing piece intended to fa Package of ten. Material: PC/ABS.	cilitate jointing of two PVC t	runking bases. May also be use	d to mount the jo	int cover piece
		Jointing piece	White	4/51/100	10	ISM10904
		Sealing strip				
		Sealing strip to be fitted between true Material: PVC.	ınking and floor for a 10-15 ı	mm coverage.		
			\A/I=:4=			
	4	Sealing strip	White	17/40/2000	24 m	ISM10905
		Sealing strip Front locking clip	wnite	17/40/2000	24 m	ISM10905
						ISM10905
		Front locking clip Front locking clip to be mounted on				ISM10905
		Front locking clip Front locking clip to be mounted on Material: PC/ABS.	either side of an outlet in ord	der to secure pull-out forces. Pac	ckage of ten.	
		Front locking clip Front locking clip to be mounted on Material: PC/ABS. Front locking clip	either side of an outlet in ord White RAL 9010	der to secure pull-out forces. Pac 45/23/23	ckage of ten.	ISM10906
		Front locking clip Front locking clip to be mounted on Material: PC/ABS. Front locking clip Modular device adaptor 2-module adaptor for 1-2 modular of	either side of an outlet in ord White RAL 9010	der to secure pull-out forces. Pac 45/23/23	ckage of ten.	ISM10906
		Front locking clip Front locking clip to be mounted on Material: PC/ABS. Front locking clip Modular device adaptor 2-module adaptor for 1-2 modular of Material: PC+ASA.	either side of an outlet in ord White RAL 9010 evices like for instance mini	der to secure pull-out forces. Pac 45/23/23 ature circuit breakers. With trans	ckage of ten. 10 sparent grey cov	ISM10906 er.
		Front locking clip Front locking clip to be mounted on Material: PC/ABS. Front locking clip Modular device adaptor 2-module adaptor for 1-2 modular of Material: PC+ASA. Modular device adaptor	either side of an outlet in ord White RAL 9010 evices like for instance mini White RAL 9010 be used when for instance of	der to secure pull-out forces. Pace 45/23/23 ature circuit breakers. With trans 90/72/45 cutting slots in the partition walls	tokage of ten. 10 sparent grey cov 1 of PVC trunking	ISM10906 er. ISM10907

		Туре	Colour	Dimensions A A/B/C (mm)	Qty per package	Ref. No.
		Installation trunking		· ·		
		punched mounting holes every 25th 45x45 module wiring devices.	cm and can be provided	ent trunking base and front cover(s). d with cable shelves. 45 mm front op ander separate protective foil, in lengt	ening for direct	
		With one compartment	Anodized	75/55/2000	12 m	ISM10150
		With one compartment	Anodized	95/55/2000	12 m	ISM10250
		With two compartments	Anodized	140/55/2000	6 m	ISM10350
		With two compartments, the lower comp. for VDI appl.	Anodized	165/55/2000	6 m	ISM10450
		With three compartments	Anodized	185/55/2000	6 m	ISM10556
		Installation trunking, customer a	dapted			
		Installation trunking according to sp above, and can be specified <i>in option</i> Material: Aluminium.		he trunking is available with one, two mplies a detailed specification.	or three compa	ırtments, see
		materiali, tarrillinarii				
		Acc. to customer spec.	Optional	—*/55/Optional	_	ISMSPTF
		Acc. to customer spec.	Optional	*/55/Optional *Five height measurements, see above	-	ISMSPTF
ce	ssories for alum	·	Optional	*Five height measurements, see	_	ISMSPTF
ce	ssories for alum	·	Optional	*Five height measurements, see		ISMSPTF
се	ssories for alum	inium trunking		*Five height measurements, see above	_	ISMSPTF
се	ssories for alum	inium trunking Internal corner Adjustable internal corner for an 80		*Five height measurements, see above	1	-
се	ssories for alum	inium trunking Internal corner Adjustable internal corner for an 80- Material: PC/ABS, painted.	-100 degree angling of	*Five height measurements, see above aluminium trunking.		ISM1015
се	ssories for alum	inium trunking Internal corner Adjustable internal corner for an 80 Material: PC/ABS, painted. For trunking 75x55	-100 degree angling of Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117	1	ISM1015 ISM1025
се	essories for alum	inium trunking Internal corner Adjustable internal corner for an 80 Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55	–100 degree angling of Alu metallic Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117	1 1	ISM1015 ISM1025 ISM1035
се	ssories for alum	inium trunking Internal corner Adjustable internal corner for an 80- Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55	–100 degree angling of Alu metallic Alu metallic Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117	1 1 1	ISM1015 ISM1025 ISM1035 ISM1045
се	essories for alum	inium trunking Internal corner Adjustable internal corner for an 80- Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55	–100 degree angling of Alu metallic Alu metallic Alu metallic Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117 174/117/117	1 1 1	ISM1015 ISM1025 ISM1035 ISM1045
ce	essories for alum	Internal corner Adjustable internal corner for an 80 Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-	–100 degree angling of Alu metallic Alu metallic Alu metallic Alu metallic Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117 149/117/117 174/117/117	1 1 1	ISM1015 ISM1025 ISM1035 ISM1045
е	essories for alum	inium trunking Internal corner Adjustable internal corner for an 80 Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS, painted.	–100 degree angling of Alu metallic Alu metallic Alu metallic Alu metallic Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117 174/117/117 194/117/117	1 1 1 1	ISM1015 ISM1025 ISM1035 ISM1045
е	essories for alum	Internal corner Adjustable internal corner for an 80 Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-	–100 degree angling of Alu metallic Alu metallic Alu metallic Alu metallic Alu metallic Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117 149/117/117 174/117/117	1 1 1	ISM1015 ISM1025 ISM1035 ISM1045 ISM1055
ce	essories for alum	Internal corner Adjustable internal corner for an 80 Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS, painted. For trunking 95x55 For trunking 95x55	–100 degree angling of Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117 149/117/117 194/117/117 aluminium trunking. 84/105/105	1 1 1 1 1	ISM1015 ISM1025 ISM1035 ISM1045 ISM1055
се	essories for alum	Internal corner Adjustable internal corner for an 80 Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS, painted. For trunking 75x55	–100 degree angling of Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 aluminium trunking. 84/105/105 104/105/105	1 1 1 1 1	ISM1015 ISM1025 ISM1035 ISM1045 ISM1055 ISM1015. ISM1025.
ce	essories for alum	Internal corner Adjustable internal corner for an 80 Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS, painted. For trunking 95x55 For trunking 95x55 For trunking 140x55	–100 degree angling of Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 aluminium trunking. 84/105/105 104/105/105 149/105/105	1 1 1 1 1	ISM1015 ISM1025 ISM1035 ISM1045 ISM1055 ISM10155 ISM1025 ISM1035 ISM1045
се	essories for alum	Internal corner Adjustable internal corner for an 80 Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 95x55 For trunking 140x55 For trunking 165x55	–100 degree angling of Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 aluminium trunking. 84/105/105 104/105/105 149/105/105	1 1 1 1 1 1	ISM1015 ISM1025 ISM1035 ISM1045 ISM1055 ISM1015 ISM1025 ISM1035 ISM1045
ce	essories for alum	Internal corner Adjustable internal corner for an 80 Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75-Material: PC/ABS, painted. For trunking 95x55 For trunking 95x55 For trunking 140x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 For trunking 185x55 For trunking 185x55	-100 degree angling of Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 aluminium trunking. 84/105/105 104/105/105 149/105/105	1 1 1 1 1 1 1 1 1	ISM1015 ISM1025 ISM1035 ISM1045 ISM1055 ISM1055 ISM1035 ISM1045
ce	essories for alum	inium trunking Internal corner Adjustable internal corner for an 80- Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75- Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 185x55 For trunking 185x55 Bend, 90°, kit 90 degree bend kit for angling upwafitted to the wall.	-100 degree angling of Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 aluminium trunking. 84/105/105 104/105/105 149/105/105 174/105/105	1 1 1 1 1 1 1 1 1	ISM1015: ISM1035: ISM1045: ISM1055: ISM1055: ISM1055: ISM1055: ISM1055: ISM1055:
ce	essories for alum	Internal corner Adjustable internal corner for an 80- Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75- Material: PC/ABS, painted. For trunking 95x55 For trunking 140x55 For trunking 140x55 For trunking 185x55 Bend, 90°, kit 90 degree bend kit for angling upwafitted to the wall. Material: PC/ABS, painted.	-100 degree angling of Alu metallic Alu metallic Alu metallic Alu metallic Alu metallic -135 degree angling of a Alu metallic ards and downwards of a	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 aluminium trunking. 84/105/105 104/105/105 149/105/105 174/105/105 194/105/105 aluminium trunking. Including bend p	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ISM1015 ² ISM1035 ² ISM1045 ² ISM1055 ²
ce	essories for alum	Internal corner Adjustable internal corner for an 80- Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75- Material: PC/ABS, painted. For trunking 140x55 For trunking 140x55 For trunking 140x55 For trunking 145x55 Bend, 90°, kit 90 degree bend kit for angling upwafitted to the wall. Material: PC/ABS, painted. For trunking 75x55	-100 degree angling of Alu metallic Alu metallic Alu metallic Alu metallic Alu metallic -135 degree angling of a Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 aluminium trunking. 84/105/105 104/105/105 1149/105/105 174/105/105 194/105/105 aluminium trunking. Including bend p	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ISM1015: ISM1045: ISM1045: ISM1055:
ce	ssories for alum	Internal corner Adjustable internal corner for an 80- Material: PC/ABS, painted. For trunking 75x55 For trunking 95x55 For trunking 140x55 For trunking 165x55 For trunking 185x55 External corner Adjustable external corner for a 75- Material: PC/ABS, painted. For trunking 140x55 For trunking 140x55 For trunking 165x55 For trunking 140x55 For trunking 185x55 Bend, 90°, kit 90 degree bend kit for angling upwafitted to the wall. Material: PC/ABS, painted. For trunking 75x55 For trunking 75x55 For trunking 95x55 For trunking 95x55 For trunking 75x55 For trunking 75x55 For trunking 75x55 For trunking 75x55	-100 degree angling of Alu metallic Alu metallic Alu metallic Alu metallic Alu metallic -135 degree angling of a Alu metallic	*Five height measurements, see above aluminium trunking. 84/117/117 104/117/117 149/117/117 174/117/117 194/117/117 aluminium trunking. 84/105/105 104/105/105 1149/105/105 174/105/105 194/105/105 aluminium trunking. Including bend p	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ISMSPTR ISM1015 ² ISM1025 ² ISM1045 ² ISM1045 ² ISM1055 ²

	Туре	Colour	Dimensions A	Qty per	Ref. No.
	20.		A/B/C (mm)	package	
	Stop end				
	Stop end for aluminium trunking. In Material: PC/ABS, painted.	ncluding screw and nut to	fix the stop end in the trunking base	ı.	
In.	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 arou on how the passage is made. Sna Material: PC/ABS, painted.		g at wall or ceiling passage. Easily m ig option for high security.	odified to C or L-	profile depen
	For trunking 75x55	Alu metallic	130/82/22	1	ISM10155
- 1	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				
	• •		jointing pieces. Intended to cover join of the installation.	nts between two a	aluminium
-	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-niece				
	T-piece T-piece intended to connect vertice Material: PC/ABS, painted. For vertical trunking 75x55 and horizontal trunking 75x55	al and horizontal aluminiu	um trunking of various sizes. 42/57/97	1	ISM10157
	T-piece intended to connect vertic Material: PC/ABS, painted. For vertical trunking 75x55 and	Alu metallic		1 1	
	T-piece intended to connect vertic Material: PC/ABS, painted. For vertical trunking 75x55 and horizontal trunking 75x55 For vertical trunking 75x55 and horizontal trunking 95x55, 140x55	Alu metallic Alu metallic Alu metallic	42/57/97	,	ISM10357
	T-piece intended to connect vertice Material: PC/ABS, painted. For vertical trunking 75x55 and horizontal trunking 75x55 For vertical trunking 75x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 95x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 140x55 and horizontal trunking 140x55 and horizontal trunking 140x55 and horizontal trunking 140x55, 165x55 or 185x55	Alu metallic Alu metallic Alu metallic Alu metallic	42/57/97 52/57/97	1	ISM10357
	T-piece intended to connect vertic Material: PC/ABS, painted. For vertical trunking 75x55 and horizontal trunking 75x55 For vertical trunking 75x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 95x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 140x55 and horizontal trunking 140x55 and horizontal trunking 140x55 and horizontal trunking 140x55, 165x55	Alu metallic Alu metallic Alu metallic Alu metallic	42/57/97 52/57/97 52/57/117	1	ISM10357
	T-piece intended to connect vertice Material: PC/ABS, painted. For vertical trunking 75x55 and horizontal trunking 75x55 For vertical trunking 75x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 95x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 140x55 and horizontal trunking 140x55 and horizontal trunking 140x55, 165x55 or 185x55 Front cover	Alu metallic Alu metallic Alu metallic Alu metallic	42/57/97 52/57/97 52/57/117	1 1	ISM10357 ISM10258 ISM10358
	T-piece intended to connect vertic Material: PC/ABS, painted. For vertical trunking 75x55 and horizontal trunking 75x55 For vertical trunking 75x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 95x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 140x55 and horizontal trunking 140x55 and horizontal trunking 140x55, 165x55 or 185x55 Front cover Front cover to be snap-fitted in true 2 m.	Alu metallic Alu metallic Alu metallic Alu metallic	42/57/97 52/57/97 52/57/117 52/57/162	1 1	ISM10357 ISM10258 ISM10358 foil, in length
	T-piece intended to connect vertice Material: PC/ABS, painted. For vertical trunking 75x55 and horizontal trunking 75x55 For vertical trunking 95x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 95x55 and horizontal trunking 95x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 140x55 and horizontal trunking 140x55, 165x55 or 185x55 Front cover Front cover to be snap-fitted in truicum. Front cover Cable retainer	Alu metallic Alu metallic Alu metallic Alu metallic Alu metallic Anodized Anodized	42/57/97 52/57/97 52/57/117 52/57/162 opening. With earthing slots. Supplied 45/16/2000 see to keep cables in place during the	1 1 1 wed with protective	ISM10357 ISM10258 ISM10358 foil, in length
	T-piece intended to connect vertice Material: PC/ABS, painted. For vertical trunking 75x55 and horizontal trunking 75x55 For vertical trunking 75x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 95x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 140x55 and horizontal trunking 140x55 and horizontal trunking 140x55, 165x55 or 185x55 Front cover Front cover to be snap-fitted in true 2 m. Material: Aluminium. Front cover Cable retainer Cable retainer to be mounted at the remove the retainer when fitting the	Alu metallic Alu metallic Alu metallic Alu metallic Alu metallic Anodized Anodized	42/57/97 52/57/97 52/57/117 52/57/162 opening. With earthing slots. Supplied 45/16/2000 see to keep cables in place during the	1 1 1 wed with protective	ISM10950
	T-piece intended to connect vertice Material: PC/ABS, painted. For vertical trunking 75x55 and horizontal trunking 75x55 For vertical trunking 75x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 95x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 140x55 and horizontal trunking 140x55 and horizontal trunking 140x55, 165x55 or 185x55 Front cover Front cover to be snap-fitted in true 2 m. Material: Aluminium. Front cover Cable retainer Cable retainer to be mounted at the remove the retainer when fitting the Material: PA.	Alu metallic Alu metallic Alu metallic Alu metallic Alu metallic Anodized e back of the trunking base front cover. Package of	42/57/97 52/57/97 52/57/117 52/57/162 opening. With earthing slots. Supplied 45/16/2000 see to keep cables in place during the five.	1 1 1 which with protective 24 m installation phas	ISM10357 ISM10258 ISM10358 foil, in length ISM10950
	T-piece intended to connect vertice Material: PC/ABS, painted. For vertical trunking 75x55 and horizontal trunking 75x55 For vertical trunking 75x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 95x55 and horizontal trunking 95x55, 140x55 165x55 or 185x55 For vertical trunking 140x55 and horizontal trunking 140x55, 165x55 or 185x55 For to vertical trunking 140x55, 165x55 or 185x55 Front cover Front cover to be snap-fitted in true 2 m. Material: Aluminium. Front cover Cable retainer Cable retainer when fitting the Material: PA. Cable shelf	Alu metallic Alu metallic Alu metallic Alu metallic Alu metallic Anodized e back of the trunking bate front cover. Package of	42/57/97 52/57/97 52/57/117 52/57/162 opening. With earthing slots. Supplied 45/16/2000 see to keep cables in place during the five.	1 1 1 2d with protective 24 m installation phas	ISM10357 ISM10258 ISM10358 foil, in length ISM10950 e. No need to

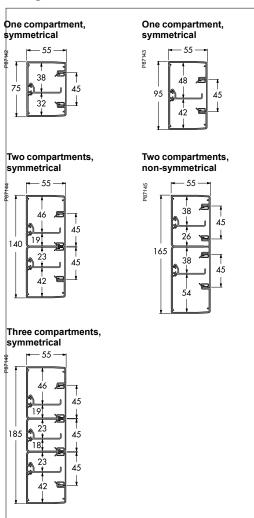
Acce	ssories for alumi	nium trunking				
		Туре	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
		Joint cover piece for front c	over			
P89053	1111	Joint cover piece intended to Material: PC/ABS, painted.	cover joints between two alumi	nium front covers. Package of five		
		Joint cover piece	Alu metallic	46/20/23	5	ISM10951
		Jointing piece				
P85790		Internal jointing piece intende piece. Package of ten. Material: PC/ABS.	d to facilitate jointing of two alu	minium trunking bases. May also b	oe used to mount	the joint cover
		Jointing piece	White	4/51/100	10	ISM10904
		Jointing/earthing piece				
P85794	~	Internal jointing and earthing paterial: Zinc.	piece, intended for jointing and	earthing of two aluminium trunking	g bases. Includin	g two screws.
		Jointing/earthing piece	Untreated	4/6/26	10	ISM10955
		Sealing strip				
P85791		Sealing strip to be fitted betwee Material: PVC.	een trunking and floor for a 10-	15 mm coverage.		
		Sealing strip	White	17/40/2000	24 m	ISM10905
		Front locking clip				
P85792		Front locking clip to be mount Material: PC/ABS.	ed on either side of an outlet in	order to secure pull-out forces. Pa	ckage of ten.	
		Front locking clip	White RAL 9010	45/23/23	10	ISM10906
		Modular device adaptor				
68		2-module adaptor for 1-2 mod Material: PC+ASA.	ular devices like for instance n	niniature circuit breakers. With tran	sparent grey cov	er.
		Modular device adaptor	Alu metallic	90/72/45	1	ISM10957
		Earthing clamp				
P87196	200	•	bonding of front cover, trunking	g base and accessories to earth. P	ackage of ten.	
		Earthing clamp	_	9/9/9	20	ISM10952
		Earthing kit				
P85/86		Kit including earth wire with fla the base profile to another base		clamps. To be used to connect the	front cover to the	base profile or
		Earthing kit	Yellow/green	L = 200 L = 300	10 10	ISM10953 ISM10954
				<u> </u>	10	1010110004



	Туре	Colour	Dimensions Ø/length (mm)	Qty per package	Ref. No.
	Screw plugs		<u> </u>		
A STATE OF THE PARTY OF THE PAR	Screw plug suitable for plasterboard. Material: PE.	use in concrete, stone, lightwe	ight concrete, expanded clay, hollow b	locks and bricks, soli	d bricks and
	TP 6	Red	6/30	100	1003 020
0	TP 2B	Brown	8/40	100	1005 016
	Nail plug				
(And the second	Nail plug with nail for th and bricks, solid bricks Material: PA.		use in concrete, stone, lightweight con	crete, expanded clay	, hollow bloc
Secretary of the second	TPS-5/5x35	Clear	5/35	100	1149 608
	Screws for PVC trunk	ing			
	Screw with large thin he when fixing plastic trunk Material: Hardened ste	king.	illips cross recess, twin thread, fully thr	eaded. Gives very go	ood pressure
Commence	TSC-4,2x25 for red plug	_	4.2x25	100	3782 020
	TSC-4,2x31 for red plug	_	4.2x31	100	3782 030
	Installation screw wit	h cup washer			
V ASSESSMENT	Installation screw with o cup washer for screw-h Material: Hardened ste	ead protection. To be used who	harp point, fully threaded. High pitch for en installing single-insulated wire in th	or quick mounting. Pr e trunking.	ovided with a
	TFT-IS5x32	_	5/32	100	
				100	4020 210
	Cavity fixing			100	4020 210
idda.	•	r through installation in plasterl		100	4020 210
Water Comment	Cavity fixing suitable fo	r through installation in plasterl —		100	4020 210 1220 106
1944	Cavity fixing suitable fo Material: Zinc.	r through installation in plasterl —	board.		
MARIE COMMINICATION OF THE PARTY OF THE PART	Cavity fixing suitable fo Material: Zinc. TPD-SK Driva Drill bits	agonal fixing for Phillips cross-	board.	100	
Market	Cavity fixing suitable fo Material: Zinc. TPD-SK Driva Drill bits Screw bit with 1/4" hexa	agonal fixing for Phillips cross-	board. 13/31	100	
William .	Cavity fixing suitable fo Material: Zinc. TPD-SK Driva Drill bits Screw bit with 1/4" hexa Material: Hardened ste PH 2x110 Hammer drill bit for use	agonal fixing for Phillips cross-	board. 13/31 slotted screw. Suitable for use in a nam 6/110 rock.	100	1220 106
MARKET THE PARTY OF THE PARTY O	Cavity fixing suitable fo Material: Zinc. TPD-SK Driva Drill bits Screw bit with 1/4" hexa Material: Hardened ste PH 2x110 Hammer drill bit for use	agonal fixing for Phillips cross-sel. — in concrete, bricks, stone and	board. 13/31 slotted screw. Suitable for use in a nam 6/110 rock.	100	1220 106 1772 058
	Cavity fixing suitable fo Material: Zinc. TPD-SK Driva Drill bits Screw bit with 1/4" hexx Material: Hardened ste PH 2x110 Hammer drill bit for use Material: Chrome vana	agonal fixing for Phillips cross-sel. — in concrete, bricks, stone and	board. 13/31 slotted screw. Suitable for use in a nam 6/110 rock. gsten carbide tip.	100 row space.	1220 106

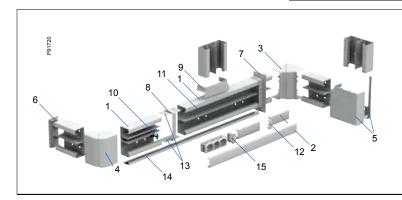
OptiLine 45 Trunking Technical description

Design and dimensions



PVC (self-extinguishing,	Density	1.5 g/cm ³
lead and cadmium-free)	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	M1 acc. to French standard
	classification	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-	Density	1.16 g/cm ³
free	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 matellia
DE (nelvethylane) balagen	Donoity	Aluminium metallic
PE (polyethylene), halogen- free		0.96 g/cm ³ 110x10 ⁻⁶ /°C
nee	Linear expansion Water absorption	Less than 0.2%
	Volume resistivity	>10 ¹⁶ Ω cm
	Fire rating	UL 94 HB
	Colours	• Red
	Colours	• Brown
		• Black
Degree of protection	IP40	
Temperature range	Operating temperatur	re from -25°C to +60°C
Resistance to impact	PVC trunking	2J (IK07)
,	PC/ABS accessories	
Standards and certificates	The products comply • EN 50085-1:2005 • pr EN 50085-2-1:20	with the standards:
	The products satisfy	the provisions for CE marking Volage Directive 73/23/EEC

Exploded view



- Trunking base Front cover
- Internal corner
- External corner Bend, 90°, including wall fixing
- Stop end Wall/Ceiling frame 6. 7. 8. 9. 10. 11.
- Joint cover piece
- T-piece Cable retainer
- Cable shelf
- Joint cover piece for front cover
- Jointing pieces
- 14. Sealing strip15. Front locking clip

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.

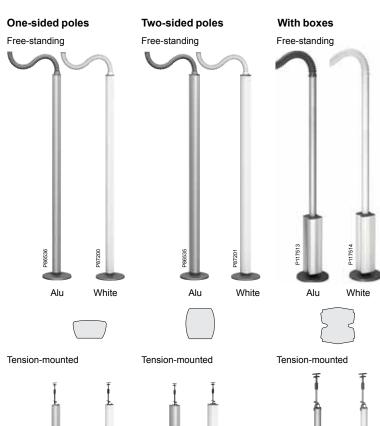
Altira offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats, timers.

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.





White

Alu

White



Presentation





Design, finish and qualityAll 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.



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.



Many mounting options Accessories for all mounting

options. The ceiling frame for the flexible conduit is

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

- For decorative colour strips
- For products like spotlights, small shelves etc.



Flexibility
The movable pole has a steady foot and a flexible

- Easy to move the poles to
- optimize the office layout

 1.5 m action radius.

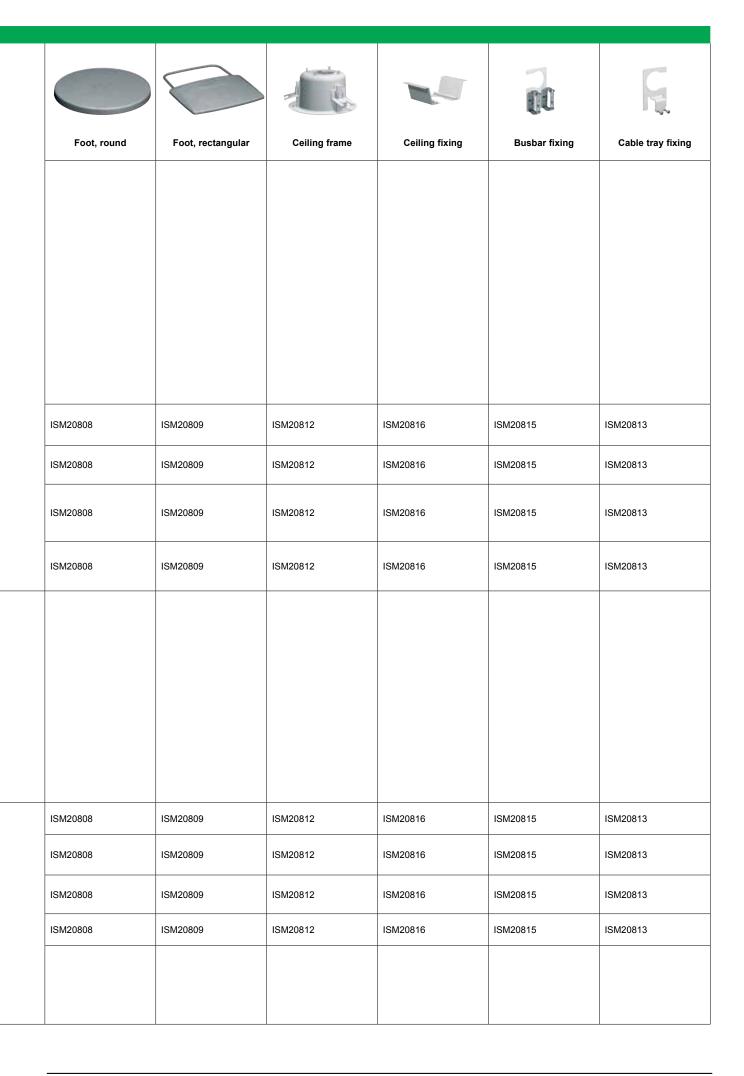


Smooth stop-end

- 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 & a	ccessories	Choice guide					
								275
uantity per	pack: 1					Ceiling frame one-sided	Ceiling frame two-sided	Cable tray fixing
ension-mo	ounted		Colour	Height mm	Ref. No.			
Ŧ	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
ree-standii	ng		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			
ension-mo	ounted ation boxes		Colour	Height mm	Ref. No.			
Ŧ			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
ree-standiı vith installa	ng Ition boxes		Colour	Height mm	Ref. No.			
7			Anodized aluminium	2150 2450 2900	ISM20146 ISM20148 ISM20150			
			Powder coated: White RAL 9010	2150 2450 2900	ISM20147 ISM20149 ISM20151			
	1		1	ĺ	1	1	I.	1



ISC00942_05-2013_EN Schneider

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Range

Service poles, empty

Type Colour Dimensions A Qty per Ref. No. A/B/C (mm) COLOUR

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

Material. Aluminium, na	turai anodized or powder d	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

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.

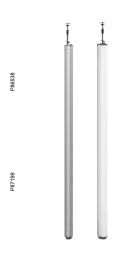
One-sided, 2.15 m	Anodized White	2150+2000/68/89	1	ISM20130 ISM20131
One-sided, 2.45 m	Anodized White	2450+2000/68/89	1	ISM20112 ISM20113
One-sided, 2.9 m	Anodized White	2900+2000/68/89	1	ISM20114 ISM20115
Two-sided, 2.15 m	Anodized White	2150+2000/116/90	1	ISM20132 ISM20133
Two-sided, 2.45 m	Anodized White	2450+2000/116/90	1	ISM20116 ISM20117
Two-sided, 2.9 m	Anodized	2900+2000/116/90	1	ISM20118

Pole, free-standing, with installation boxes

White

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 2.45 m	Anodized White Anodized	2150+2000/149/140	1	ISM20146 ISM20147 ISM20148
2.9 m	White Anodized White	2900+2000/149/140	1	ISM20149 ISM20150 ISM20151









ISM20119

Range

Service poles, customer adapted

Dimensions A/B/C (mm) Colour Qty per Ref. No. Type package

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

Accessories for service poles

Foot for free-standing, movable pole

Grey

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.



ISMSPPL

Foot, rectangular

ISM20809



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.

29/Ø317 ISM20808 Foot, round Grev

33/250/346



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 ISM20812



Ceiling frame

Ceiling frame for one-sided or two-sided poles. Covers the edge of the hole in a false ceiling. Self-sticking. Material: PS (polystyrene).

Ceiling frame for 1-sided White RAL 9010 1/108/129 ISM20810

Ceiling frame for 2-sided White RAL 9010 1/156/130 ISM20811



Cable tray fixing

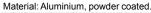
Cable tray fixing including fixing material, intended to connect flexible conduit to cable tray. Gripping around cable tray. Material: Steel, powder coated.

Cable tray fixing White RAL 9010

100/15/70 ISM20813



Cable tray fixing to be clamped onto the edge of a cable tray or feeder trunking in the ceiling. Including screws. Can be mounted anywhere along the pole length. The height is adjustable by ±15 mm. Maximum material thickness of tray/trunking at fixing point =



Cable tray fixing White RAL 9010 75/50/120 ISM20814



Ceilina fixina

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 ISM20816



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 ISM20815



Floor fixing plate

Fixing plate to fix tension-mounted poles to the floor by screws. Fixed to the pole by pegs.

Material: Steel, electroplated.

Floor fixing plate 13/49/60 ISM20828





	or service poles				
	Туре	Colour	Dimensions A A/B/C (mm)	Qty per package	Ref. No.
	Front cover				
	lengths of 2 m.	•	5 mm front opening. With earthing slots.	Supplied with pro	otective foil, i
		, natural anodized or powder coate	·		101440050
	Front cover	Anodized	45/16/2000	24 m	ISM10950
	Front cover	White RAL 9010	45/16/2000	24 m	ISM10960
	Floor fixing with sl	ot for floor feeder			
	_	or two-sided service pole. Fixed to t	he floor by screws. With slot for connecti	on of floor feede	r 18x75 mm.
	For one-sided pole	Grey RAL 9007	38/125/102	1	ISM20820
	To one sided point	010y 14 12 0001	00/120/102		
	For two-sided pole	Grey RAL 9007	38/125/156	1	ISM20821
	Floor feeder				
			tments and a cover. Supplied in lengths floor fixing for 18x75 mm floor feeder.	of 2 m. To be use	ed for feeding
	Floor feeder	Grey RAL 7030	18/75/2000	28 m	ISM20817
		service pole provided with a slotted	tments and a cover. Supplied in lengths floor fixing for 18x75 mm floor feeder.	of 2 m. To be use	ed for feeding
	Floor feeder	Anodized	18/75/2000	8 m	ISM20857
	Floor feeder jointing	na niece			
	•	piece to cover joints between floor	feeder sections.		
	Jointing piece	Grey RAL 7030	20/50/78	10	ISM20818
	Corner feeder pied	e			
	Corner feeder piece Material: PVC.	to be used in 90 degree corners be	etween floor feeder sections.		
	Corner feeder	Grey RAL 7030	20/120/120	10	ISM20819
	piece				
	Floor feeder adapt	or between floor feeder and wall trunk	ing with a 45 mm front opening		
	Material: PC/ABS.	between noor leeder and wan (funk	ang with a 45 min nont opening.		
1	Adaptor	White RAL 9010	60/63/110	1	ISM20826
1	Adaptor	Alu metallic	60/63/110	1	ISM20827
	Partition profile				
	•	alogen-free material with two partiti	on walls. Mounted in internal fixing rails o	of poles and post	s. Supplied i
	Partition profile	White RAL 9010	500/30/52	10	ISM20825
	Decorative stripe				
	Material: Silicone ru	bber.	s of poles and posts. Supplied in lengths	JI O III.	
	Decorative stripe	Grey	5000/Ø3.5	5 m	ISM20822
		White RAL 9010	5000/Ø3.5	5 m	ISM20823
	Decorative stripe	Willie RAL 9010	0000/20.0	0	.020020

OptiLine 45 PolesRange

	Туре	Colour	Dimensions A A/B/C (mm)	Qty per package	Ref. No.
	Earthing clamp				
	Earthing clamp to be use Material: Steel.	ed for bonding of front cover, ba	se profile and accessories to earth.		
20	Earthing clamp	_	9/9/9	20	ISM10952
	Earthing kit				
	Kit including earth wire v	vith flat pin connectors and earth	ing 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 adapto	r			
	2-module adaptor for 1-2 Material: ASA+PC, white		ce miniature circuit breakers. With trar	nsparent grey cov	er.
	Modular device adaptor	White RAL 9010	90/72/45	1	ISM10907
	Modular device adaptor	Alu metallic	90/72/45	1	ISM10957
	Front locking clip				
	Front locking clip to be n Material: PC/ABS.	nounted on either side of an out	et in order to secure pull-out forces.		
	Front locking clip	White RAL 9010	45/23/23	10	ISM10906

OptiLine 45 Poles Technical description

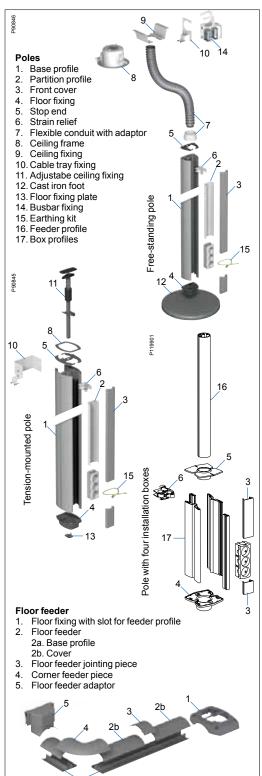




Aluminium, extruded	Specification	EN-AW-6063	
•	Density	2.7 g/cm ³	
	Linear expansion	2.4x10 ⁻⁵ /°C	
	Surface treatment coating	Natural anodzing or powder	
	Colour	White RAL 9010	
Aluminium, die cast	Density	2.7 g/cm ³	
	Linear expansion	2.4x10 ⁻⁵ /°C	
	Surface treatment	Powder coating	
	Colour	Grey 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		ure 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 at		

Technical description

Exploded views



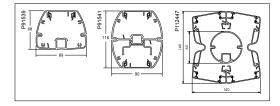
Cab	le	capacity	V
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One-sided pole 1 41 4220 1688 2110 2532 26 1 Cone-sided pole with partition profile 1 39 1799 720 900 1079 2 1 1 1 106 442 553 663 <th></th> <th></th> <th></th> <th>60%</th> <th>pacity ') mm² 50%</th> <th>Cable cap</th> <th>Cross section area mm²</th> <th>Max. Ø mm</th> <th>Comp.</th>				60%	pacity ') mm² 50%	Cable cap	Cross section area mm ²	Max. Ø mm	Comp.		
One-sided pole with partition profile 1 39 1799 720 900 1079 2 15 1106 442 553 663 Two-sided pole without and with partition profile 1 41 3747 1499 1874 2248 2 16 871 348 435 523 3 39 1799 720 900 1079 Pole with four boxes 1 75 13966 5586 6983 8379		8 /	9				•	led pole	One-sic		
1 39 1799 720 900 1079 2 15 1106 442 553 663 Two-sided pole without and with partition profile 1 41 3747 1499 1874 2248 2 16 871 348 435 523 3 39 1799 720 900 1079 Pole with four boxes 1 75 13966 5586 6983 8379			Š	2532	2110	1688	4220	41	1		
2 15 1106 442 553 663 Two-sided pole without and with partition profile 1 41 3747 1499 1874 2248 2 16 871 348 435 523 3 39 1799 720 900 1079 Pole with four boxes 1 75 13966 5586 6983 8379	<u></u>	- Ja 3	-		One-sided pole with partition profile						
Two-sided pole without and with partition profile 1 41 3747 1499 1874 2248 2 16 871 348 435 523 3 39 1799 720 900 1079 Pole with four boxes 1 75 13966 5586 6983 8379	1 1	2 L 1	8	1079	900	720	1799	39	1		
1 41 3747 1499 1874 2248 2 16 871 348 435 523 3 39 1799 720 900 1079 Pole with four boxes 1 75 13966 5586 6983 8379				663	553	442	1106	15	2		
2 16 871 348 435 523 3 39 1799 720 900 1079 Pole with four boxes 1 75 13966 5586 6983 8379		8 74)	rtition profile	without and with pa	led pole	Two-sic		
3 39 1799 720 900 1079 Pole with four boxes 1 75 13966 5586 6983 8379	1	£ / 1		2248	1874	1499	3747	41	1		
Pole with four boxes 1 75 13966 5586 6983 8379	<u> </u>			523	435	348	871	16	2		
	3 17	3		1079	900	720	1799	39	3		
	T	ş					ooxes	th four b	Pole wi		
Pole profile for pole with four boxes	1	1	Š	8379	6983	5586	13966	75	1		
2 42 255	$\overline{}$	84				i	pole with four boxes	ofile for p	Pole pro		
2 43 2535 1014 1267 1521 5	2	E 2	Š	1521	1267	1014	2535	43	2		

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

Design and dimensions

				Tension-mounted poles	<u> </u>
				A Total height	B Height without ceiling fixing
P112455	 -	P112456	<u>क</u> ा	Min. 2700 mm Max. 3100 mm	2540 mm
			Min. 3100 mm Max. 3500 mm	2940 mm	
				Min. 3500 mm Max. 3900 mm	3340 mm
		ا د		Min. 3900 mm Max. 4300 mmm	3740 mm
g.,		s wit		Tension-mounted poles	with boxes
two-side		ed pole		Min. 2700 mm Max. 3100 mm	2510 mm
n-monn ded and	rension-mounted poles, one-sided and two-sided for the state of the st	n-moun: stallatior	stallation of the stallation o	Max. 3100 mm Min. 3100 mm Min. 3100 mm Max. 3500 mm	2910 mm
Tensio one-si			Min. 3500 mm Max. 3900 mm	3310 mm	
				Free-standing poles	
				A Total height of pole	B Length of flex. conduit
P112449		450		2150 mm	2000 mm
P112	ı	P112450		2450 mm	2000 mm
	Ħİ		1	2900 mm	2000 mm
				Free-standing poles wi	th boxes
				2150 mm	2000 mm
ided		with		2150 mm 2450 mm 2450 mm	2000 mm
Free-standing poles, one-sided and two-sided		Free-standing poles with one, two and four boxes	c	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.



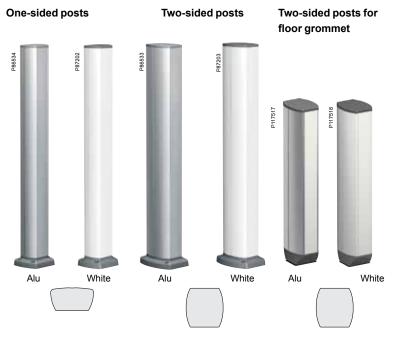


Altira 45x45 module wiring devices

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

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



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

- · 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



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
l n			Anodized aluminium White	700 700	ISM20205 ISM20206
			Anodized aluminium White	430 430	ISM20217 ISM20218
			Anodized aluminium White	700 700	ISM20207 ISM20208

OptiLine 45 PostsRange

		Туре	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
		Post with floor fixing				
		relief, partition profile, earthing	kit and mounting instruction. Fl mm front opening for direct clic	on a floor fixing. Including front or loor fixing provided with gasket rii ck-in of Altira 45x45 module wiring e RAL 9010.	ng. Unearthed.	
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
		Two-sided For up to six 45x45 module wiring devices on each side	Anodized White	430/116/90	1	ISM20212 ISM20213
P8/203		Two-sided For up to twelve 45x45 module wiring devices on each side	Anodized White	700/116/90	1	ISM20202 ISM20203
8145114		Empty, free-standing, two-sider wiring devices. Including plastic instruction. Unearthed. Supplie module wiring devices. Material: Aluminum, natural an	earthing kit and	mounting		
		Two-sided for floor grommet	Anodized White	430/116/90	1	ISM20220 ISM20221
		mm, stop end, strain relief, part	ition profile, earthing kit and mo ervice content and cables. 45 m	on a floor fixing. Including front co ounting instruction. Floor fixing pr nm front opening for direct click-ir e RAL 9010.	ovided with gas	ket ring.
F103888	пШ	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
		Two-sided For up to six 45x45 module wiring devices on each side	Anodized White	430/116/90	1	ISM20217 ISM20218
2+0+0-L		Two-sided For up to twelve 45x45 module wiring devices on each side	Anodized White	700/116/90	1	ISM20207 ISM20208
		Post, customer adapted				
		Service post according to speci above, and can be specified in Material: Aluminium.		available one- or two-sided with f lies a detailed specification.	loor fixing with o	r without slot, s
		Acc. to customer spec.	Optional	Optional/—*/—*	_	ISMSPPT
				*Two different measurements, se above	е	

OptiLine 45 Posts

ce	ssories for servi	ce posts				
		Туре	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
		Floor fixing with slot for f				
		Floor fixing for one or two-s mm. Material: Aluminium, powde	•	d to the floor by screws. With slot for c	onnection of floc	r feeder 18x75
	9	For one-sided post	Grey RAL 9007	38/125/102	1	ISM20820
		For two-sided post	Grey RAL 9007	38/125/156	1	ISM20821
		Floor feeder, PVC				
		Floor feeder made up by a		ments and a cover. Supplied in lengths oor fixing for 18x75 mm floor feeder.	s of 2 m. To be us	sed for feeding
		Floor feeder	Grey RAL 7030	18/75/2000	28 m	ISM20817
		Floor feeder, aluminium				
			post provided with a slotted f	ments and a cover. Supplied in lengths oor fixing for 18x75 mm floor feeder.	s of 2 m. To be us	sed for feeding
		Floor feeder	Anodized	18/75/2000	8 m	ISM20857
			to cover joints between floor	eeder sections.		
		Material: PVC.	0	20/50/70	40	101400040
	4	Jointing piece	Grey RAL 7030	20/50/78	10	ISM20818
		Corner feeder piece Corner feeder piece to be u Material: PVC.	used in 90 degree corners be	tween floor feeder sections.		
		Corner feeder piece	Grey RAL 7030	20/120/120	10	ISM20819
		Floor feeder adaptor				
		Adaptor to be used betwee Material: PC/ABS.	n floor feeder and wall trunki	ng with a 45 mm front opening.		
		Adaptor	White RAL 9010	60/63/110	1	ISM20826
		Adaptor	Alu metallic	60/63/110	1	ISM20827
		Floor grommet				
		devices, two-part cover and water-tight blank plate whe	d sealing foam for protection in no service post has been in strap. Hole diameter 127 mr	I version of the two-sided service post from dust and wet floor-cleaning. The estalled. When installing a post, the rer n.	cover has the fui	nction of a
		Floor grommet	_	38/Ø147	1	INS40550
		Partition profile				
		Partition profile of halogen- lengths of 0.5 m. Material: ABS.	free material with two partition	n walls. Mounted in internal fixing rails	of poles and po	sts. Supplied in
		Partition profile	White	500/30/52	10	ISM20825

OptiLine 45 Posts

	Туре	Colour	Dimensions A	Qty per	Ref. No.
	.,,,,		A/B/C (mm)	package	
	Front cover				
	lengths of 2 m.	ed in service carriers with a 45 ral anodized or powder coated	mm front opening. With earthing slots. white.	Supplied with pro	tective foil, ir
1000	Front cover	Anodized	45/16/2000	24 m	ISM10950
	Front cover	White RAL 9010	45/16/2000	24 m	ISM10960
	Decorative stripe				
	Decorative stripe to be fitt Material: Silicone rubber.	ed in the slots along the sides	of poles and posts. Supplied in lengths	of 5 m.	
	Decorative stripe	Grey	5000/Ø3.5	5 m	ISM20822
Ó	Decorative stripe	White RAL 9010	5000/Ø3.5	5 m	ISM20823
	Decorative stripe	Orange	5000/Ø3.5	5 m	ISM20824
	Earthing clamp				
		d for bonding of front cover, bas	se profile and accessories to earth.		
20	Earthing clamp	_	9/9/9	20	ISM10952
20	Earthing clamp Earthing kit	_	9/9/9	20	ISM10952
*	Earthing kit Kit including earth wire wi	— th flat pin connectors and earth	9/9/9 ning clamps. To be used to connect the f		
	Earthing kit Kit including earth wire wi	— th flat pin connectors and earth Yellow/green			base profile.
	Earthing kit Kit including earth wire wi Earthing kit Modular device adaptor	Yellow/green modular devices like for instan	ning clamps. To be used to connect the f	ront cover to the	base profile. ISM10953 ISM10954
	Earthing kit Kit including earth wire wi Earthing kit Modular device adaptor 2-module adaptor for 1-2	Yellow/green modular devices like for instan or alu metallic.	L = 200 L = 300	ront cover to the	ISM10953 ISM10954
	Earthing kit Kit including earth wire wi Earthing kit Modular device adaptor 2-module adaptor for 1-2 Material: ASA+PC, white	Yellow/green modular devices like for instan or alu metallic. White	L = 200 L = 300 ce miniature circuit breakers. With trans	10 10 10 sparent grey cove	ISM10953 ISM10954 er.
	Earthing kit Kit including earth wire wi Earthing kit Modular device adaptor 2-module adaptor for 1-2 Material: ASA+PC, white Modular device adaptor	Yellow/green modular devices like for instan or alu metallic. White RAL 9010	L = 200 L = 300 ce miniature circuit breakers. With trans	front cover to the 10 10 sparent grey cove	ISM10953 ISM10954
	Earthing kit Kit including earth wire wi Earthing kit Modular device adaptor 2-module adaptor for 1-2 Material: ASA+PC, white Modular device adaptor Modular device adaptor	Yellow/green modular devices like for instan or alu metallic. White RAL 9010 Alu metallic	L = 200 L = 300 ce miniature circuit breakers. With trans	front cover to the 10 10 sparent grey cove	ISM10953 ISM10954 er.

OptiLine 45 Posts Technical description

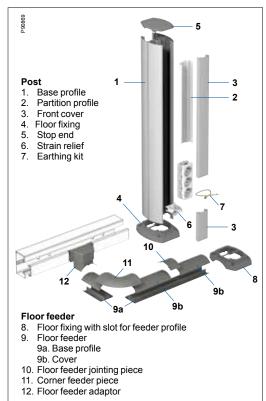


Technical and Material dat	ta			
Aluminium, extruded	Specification	EN-AW-6063		
	Density	2.7 g/cm ³		
	Linear expansion	2.4x10 ⁻⁵ /°C		
	Surface treatment	Natural anodzing or powder		
coating				
	Colour	White RAL 9010		
Aluminium, die cast	Density	2.7 g/cm ³		
	Linear expansion	2.4x10 ⁻⁵ /°C		
	Surface 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 temperatu	re 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

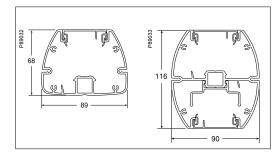


Cable capacity

Comp.	Max Ø mm	Cross section area mm ²	Cable 40%	capacity*) ı 50%	mm² 60%	
One-side	ed post					
1	41	4220	1688	2110	2532	
		ith partition profile	700	000	4070	1 1 3
1 2	39 15	1799 1106	720 442	900 553	1079 663	
Two-side	ed post w	ithout and with partition	on profile			
1	41	3747	1499	1874	2248	2 /° 1 °\
2	16	871	348	435	523	
3	39	1799	720	900	1079	

 $^{^{\}star})$ We recommend a 40% utilization of the cable capacity.

Design and dimensions



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, hollow core box and a number of accessories. 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 in the plastic floor box is is adjustable from 70 to 100 mm in steps of 5 mm and for the stailess steel box 80-110 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.



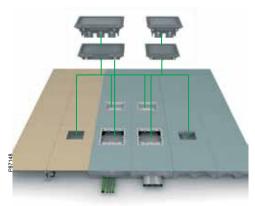




Four module box For two double or four single outlets

Six module boxFor three double or six single outlets

Eight module boxFor four double or eight single outlets

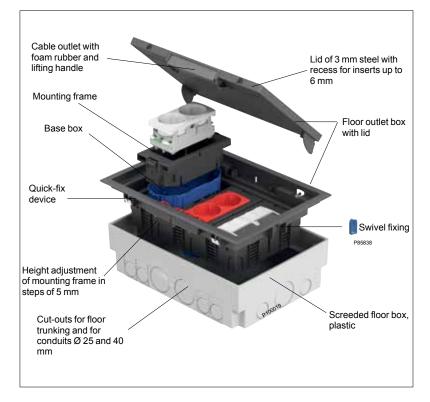


Optiline 45 floor boxes can be installed in all types of floor

- 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.

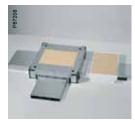
Installation of DIN device





Presentation

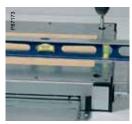




A complete embedded systemScreeded steel boxes for

- 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

height is adjusted.

- Plastic box 75-95 mm Steel box 75-110 mm
- Connection for steel trunking and flexible conduits remains fixed even when



Base box and partition wall allows mixed in-stallations

- 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 connectionThe 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



outlets in different mounting frames

frames.

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





Individual mounting frame height for optimal capacity

- Adjustable mounting frame height in steps of 5 mm

 Easy to install DIN-
- modules
- Possible to have DINmodules and outlets on dif ferent 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.

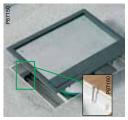


Quick installation of boxes without tools

- 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

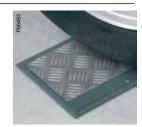
- Standard carpet insert -Available as accessory in durable linoleum
- Any other floor insert – Up to 6 mm thick floor
- insert
- 3 mm steel plate provides support
- Discrete impression, blends with present floor.



Self-closing, removable

- 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.

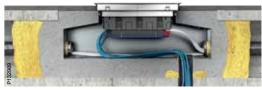


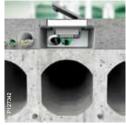


Presentation





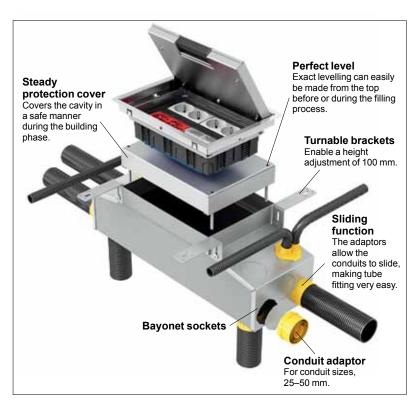






Take advantage of the hidden spaces with the hollow core floor box

- The hollow core floor box is totally submerged in the slab
- No extra screeding is needed to keep it in place minimum of building height
- The box has an optimized shape for use in cavities of Ø 170 mm or larger.
 The cavity for the box can easily be made at the hollow core
- slab factory or at the building site
- · The box is galvanized to resist corrosion
- Correctly installed, it will not affect the strength of the floor construction.





50% more coupling space

· With the Hollow Core Box, there is plenty of room for connections and cable loops as well as for bulky transformers. Still, the floor box lid can be closed.



Outstanding flexibility

- There are 16 options for grommet connections, enabling easy feeding from the top, side and bottom of the Hollow Core Box.
- The Hollow Core Box has been designed to support the OptiLine 45 floor boxes

Range

Floor o	outlet boxes, pla	stic				
		Туре	Colour	Dimensions A A/B/C (mm) B	Qty per package	Ref. No.
		cable exit. Also including a pla two positions. It can be fitted w The height of the mounting fra 5 mm. Cable exit capacity 925 Altira/Unica outlets, or for 44x	nting frames for Altira, Fuga (DK) of stic bag containing cable holder, parith floor material of up to 6 mm thic mes is adjustable from 70 mm to 11 mm², max cable Ø12 mm. The floo 44 mm single/44x94 double Fuga co bellets, steel. Mounting frame for Al	artition wall and strain relief device kness. The mounting frames are s 00 mm (boxes for Fuga outlets fro or outlet box is suitable for 45x45 r butlets.	s. The lid can snapped into the m 70 mm to 95 nm single/45x	be installed in ne trim frame. mm), in steps of
		For Altira outlets				
P89490		Four module box, with two mounting frames for two double or four single Altira outlets	Grey	72/199/199	1	ISM50624
P89489	do.	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
		For Fuga outlets (only intend	ded for Denmark)			
P89490		Four-module box, with two mounting frames for two double or four single Fuga outlets	Grey	72/199/199	1	ISM50724
P89489	(I)	Six-module box, with three mounting frames for three double or six single Fuga outlets	Grey	72/276/199	1	ISM50736
		For Unica outlets				
P85807		Four module box, with two mounting frames for two double or four single Unica outlets	Grey	72/199/199	1	ISM50524
P85806	B	Six module box, with three mounting frames for three double or six single Unica outlets	Grey	72/276/199	1	ISM50536
P85805	1	Eight module box, with two mounting frames for four double or eight single Unica outlets	Grey	72/276/199	1	ISM50538

Floor outlet boxes, metal

Floor outlet box including mounting frames for Altira, Fuga (DK) or Unica 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 and can be fitted with an insert material of up to 15 mm thickness. The mounting frames are snapped into the trim frame. The height of the mounting frames is adjustable from 80 mm to 110 mm (boxes for Fuga outlets from 80 mm to 105 mm), in steps of 5 mm. Cable exit capacity 1245 mm², max cable Ø15 mm. The floor outlet box is suitable for 45x45 mm single/45x90 mm double Altira/Unica outlets, or for 44x44 mm single/44x94 double Fuga outlets.

Material: Stainless steel. Mounting frame for Altira and Fuga = PC/ABS, for Unica = PBT. Grid = ABS.

For Altira outlets				
Four module box with two mounting frames for two double or four single Altira outlets	_	83/199/199	1	ISM51624
Six module box with three mounting frames for three double or six single Altira outlets	_	82/276/199	1	ISM51636
Eight module box with two mounting frames for four double or eight single Altira outlets	_	82/276/199	1	ISM51638
	Four module box with two mounting frames for two double or four single Altira outlets Six module box with three mounting frames for three double or six single Altira outlets Eight module box with two mounting frames for four double or eight single Altira	Four module box with two mounting frames for two double or four single Altira outlets Six module box with three mounting frames for three double or six single Altira outlets Eight module box with two mounting frames for four double or eight single Altira	Four module box with two mounting frames for two double or four single Altira outlets Six module box with three mounting frames for three double or six single Altira outlets Eight module box with two mounting frames for four double or eight single Altira	Four module box with two mounting frames for two double or four single Altira outlets Six module box with three mounting frames for three double or six single Altira outlets Eight module box with two mounting frames for four double or eight single Altira

		etal Type	Colour	Dimensions A	Qty per	Ref. No.
		••		A/B/C (mm)	package	
		For Fuga outlets (only intend	ed for Denmark)	2011201120	•	101454504
		Four-module box, with two mounting frames for two double or four single Fuga outlets	_	83/199/199	1	ISM51724
		Six module box with three mounting frames for three double or six single Fuga outlets	_	82/276/199	1	ISM51736
		For Unica outlets				
		Four module box, with two mounting frames for two double or four single Unica outlets	_	83/199/199	1	ISM51524
		Six module box with three mounting frames for three double or six single Unica outlets	_	82/276/199	1	ISM51536
		Eight module box with two mounting frames for four double or eight single Unica outlets	_	82/276/199	1	ISM51538
00	r access boxes					
			d infill accessory. To be use	evices and screw-fixed lid. The lid car d together with screeded floor box of		
		Square	Grey	33/199/199	1	ISM50520
		Rectangular	Grey	33/276/199	1	ISM50530
re	eded floor boxes					
		Plastic boxes				
		Plastic screeded floor box for e conduits Ø 25 and 40 mm. Inclu Material: PP.		ors from 75 to 95 mm thickness. With mounting of floor boxes.	cut-outs for floor t	trunking and
		For 4 mod. floor outlet boxes/ square access boxes and up to 150 mm wide floor trunking	Light grey	75-95/188/188	1	ISM50320
		For 6/8 mod. floor outlet boxes/ rect. access boxes and up to 200 mm wide floor trunking	Light grey	75-95/188/265	1	ISM50330
		Metal boxes				
		sides, equipped with blank plate has an adjustable internal heigh	es on three sides. Suitable nt of between 98 and 125 r	s with minimum 100 mm thickness. V for both flush floor trunking and tube nm. When used in a thicker floor, adju f cabling during wiring and installation	feeding. The scre stable supporters	eded floor box s should be use
	1	Screeded floor box 4 modules	_	125/302/405	1	ISM50343
		Screeded floor box 6/8 modules	_	124/301/482	1	ISM50342
		Adjustable supporter				
	1.1.			e screeded floor box to the finished flo	oor level. To be us	sed for cast floo
	A. H. (1997)	Malenai. FF, FAO.				

	eeded floor boxes	Type	Colour	Dimensions 4	Otronor	Dof No
		Туре	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
		Metal screeded floor box includion all four sides. In order to mou (ISM50823) is recommended. Material: Sheet steel.				
P85808	The state of	For 4 mod. floor outlet boxes/ square access boxes and up to 200 mm wide floor trunking	_	75-110/350/350	1	ISM50322
		For 6/8 mod. floor outlet boxes/ rect. access boxes and up to 200 mm wide floor trunking	_	75-110/350/350	1	ISM50332
		For 4 mod. floor outlet boxes/ square access boxes and up to 350 mm wide floor trunking	_	75-110/500/500	1	ISM50323
		For 6/8 mod. floor outlet boxes/ rect. access boxes and up to 350 mm wide floor trunking	_	75-110/500/500	1	ISM50333
		Adaptors for steel box				
		Adaptor with break-out openings the connection of 1–4 or 1–6 cor Material: Sheet steel, galvanized	nduits Ø 25 and 40 mm.	eded floor boxes ISM50322, 50	0332, 50323, 503	33. Intended for
P85846	33333	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 scr Material: Sheet steel, galvanized				
1000		Blank plate	_	83/1.5/252 83/1.5/403	5 5	ISM50394 ISM50395
Hol	low core box					
		Hollow core box				
0 0 0 0 1		Metal screeded floor box for emi sideways and four downwards. I tuning to the finished floor level. module floor box. Material: Sheet steel.	Equipped with brackets for rougl	h height fixation 0-75 mm and f	ne-adjustment so	rews for fine
		Hollow core box 6/8 modules	_	164/502/184	1	ISM50356
		Conduit adaptors				
		Conduit adaptor for two conduits Material: PP.	s 20 mm.			
	600	Conduit adaptor 2x20 mm	Yellow	58/58/32	10	ISM50370
		Conduit adaptor for conduits 25, Material: PP.	32, 40 or 50 mm. Diameter cho	ice by punching out to right size) .	
		Conduit adaptor 1x25, 32, 40 or 50 mm	Yellow	58/58/32	10	ISM50371
	essories					
Acc		Mounting frame for Altira outle	ets	for both floor boy sizes, the 21	6 mm mounting fr	ame only for th
Acc		Mounting frame for floor outlet b rectangular ones). Suitable for s corresponding size of base box. Material: PC/ABS.	ingle or double Altira outlets. Fo			
Acc		rectangular ones). Suitable for s corresponding size of base box.	ingle or double Altira outlets. Fo			

Acc	essories						
		Туре	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.	
		Mounting frame for Unica outl	ets				
		Mounting frame for floor outlet b rectangular ones). Suitable for s corresponding size of base box. Material: PBT with 30% glass-fib	ingle or double Unica outlets. F				
00000		For two single or one double outlet, both floor box sizes	Grey	38/64/139	6	ISM50805	
		For four single or two double outlets, rectangular floor box	Grey	38/64/216	4	ISM50806	
		Base box					
		Base box to be combined with th base box only for the rectangula Material: PA6.			or both floor box s	izes, the 203 mr	
		For two single or one double outlet in square and rectangular boxes	Blue	23/64/126	10	ISM50800	
		For four single or two double outlets in rectangular boxes	Blue	23/64/203	10	ISM50801	
		Lid infill, linoleum					
		Lid infill to be used in the lid of flo infill is to be used in a metal floo Material: Linoleum.			esive tape underr	eath. If the lid	
		For square boxes	Grey	6/139/167	1	ISM50807	
		For rectangular boxes	Grey	6/139/245	1	ISM50808	
		Lid infill, stainless steel					
		Lid infill to be used in the lid of flo a soft rubber layer with self-adhe material is required. Material: Stainless steel, rubber.	esive tape underneath. If the lid				
		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).					
		Modular device kit, Altira	White	72/45/90	1	ISM50811	
		Swivel fixing					
	ĥ	Swivel fixings to be mounted on boxes of steel, and as additional Material: PA6, steel.				in screeded floo	
	4	Swivel fixing	Blue	58/12/25	2	ISM50823	
		Flexible conduit					
		Flexible conduit (split tube), dian by using mounting tool ISM5085 Material: PP.		le feeding from floor outlet box t	o desktop. Cable	s to be installed	

Access	sories					
		Туре	Colour	Dimensions A/B/C (mm) B	Qty per package	Ref. No.
		Mounting tool				
P85094		Mounting tool for insta Material: PP.	illation of cables in 25 mm split-tub	e flexible conduits.		
		Mounting tool	_	115/36/70	1	ISM50852
		Separation clip				
P85095	lîma		around two flexible conduits, separated at 200 mm intervals.	ating power and low voltage cables. S	Separation distand	e between cables
		Separation clip	Grey metallic	34/28/70	6	ISM50851

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	Туре	Colour	Dimensions A A/B/C (mm)	Qty per package	Ref. No.
	Underscreed floor trunking	with two compartments	, ,		
		oor boxes of plastic or metal	aration wall, intended for embedded us Available in two heights, 28 and 38 mr		oors, in
	150x28 mm	_	28/150/2000	2 m	4260101
The Park	150x38 mm	_	38/150/2000	2 m	4260111
	200x28 mm	_	28/200/2000	2 m	4260102
	200x38 mm	_	38/200/2000	2 m	4260112
		partments and integrated se por boxes of plastic or metal	pparation walls, intended for embedded Available in two heights, 28 and 38 mr		I floors, in
	250x28 mm	_	28/250/2000	2 m	4260106
	250x38 mm	_	38/250/2000	2 m	4260116
3	350x28 mm	_	28/350/2000	2 m	4260107
	350x38 mm	_	38/350/2000	2 m	4260117
	Fixation clamp Clamp intended to fix a 28 mi Material: Sheet steel, galvani		oncrete floor and to hold the position at	the screeded flo	or-box junct
	For 150 mm	_	30/157/40	1	ISM5015
3	For 200 mm	_	30/257/40	1	ISM5015
	For 250 mm	_	30/307/40	1	ISM5015
	For 350 mm	_	30/357/40	1	ISM5015
	Same as above but for 38 mr Material: Sheet steel, galvani				10145045
	For 150 mm	_	40/157/40	1	ISM5015
	For 200 mm	_	40/257/40	1	ISM5015
	For 250 mm	_	40/307/40	1	ISM5015
					101110010
	For 350 mm	_	40/357/40	1	
	For 350 mm Vertical corner with two convertical corner with two compliance of the convertion. The bend of the convertion. Sheet steel, galvaniance of the convertion of the convertion of the convertion.	partments and an integrated rner is chamfered, allowing a	40/357/40 separation wall. Intended to guide cable proper bending radius of the cables.	1 es from vertical t	ISM5015 to horizontal
	For 350 mm Vertical corner with two convertical corner with two compdirection. The bend of the corner with two compdirection.	partments and an integrated rner is chamfered, allowing a	40/357/40 separation wall. Intended to guide cabl	1	ISM5015
	For 350 mm Vertical corner with two convertical corner with two compliance of the convertical corner with two compliance of the convertical corner with two compliance of the convertical corner with two convertical corner with two convertical corner with two corner with	partments and an integrated rner is chamfered, allowing a	40/357/40 separation wall. Intended to guide cabl proper bending radius of the cables. 201/150/201	1 es from vertical t	ISM5015 to horizontal
	For 350 mm Vertical corner with two convertical corner with two compliance of the convertion. The bend of the convertion. Sheet steel, galvaniance of the convertion of the convertion of the convertion.	partments and an integrated rner is chamfered, allowing a	40/357/40 separation wall. Intended to guide cable proper bending radius of the cables.	1 es from vertical t 1	ISM5015 to horizontal 4260133
	For 350 mm Vertical corner with two convertical corner with two compliance of the convertical corner with two compliance of the convertical corner with two compliance of the convertical corner with two convertical corner with two convertical corner with two corner with	partments and an integrated rner is chamfered, allowing a	40/357/40 separation wall. Intended to guide cabl proper bending radius of the cables. 201/150/201 201/150/201	1 es from vertical t 1	ISM5015 to horizontal 4260133 4260140
	For 350 mm Vertical corner with two convertical corner with two comparises of the convertication. The bend of the convertication is sheet steel, galvanic For 150x28 mm trunking For 150x38 mm trunking For 200x28 mm trunking	oartments and an integrated mer is chamfered, allowing a zed. — — — — — —	40/357/40 separation wall. Intended to guide cable proper bending radius of the cables. 201/150/201 201/150/201 201/200/201	1 es from vertical t 1	ISM5015 to horizontal 4260133 4260140 4260134
	For 350 mm Vertical corner with two convertical corner with two complication. The bend of the convertical corner steel, galvanical For 150x28 mm trunking For 150x38 mm trunking For 200x28 mm trunking For 200x38 mm trunking Vertical corner with three convertical corner wi	partments and an integrated mer is chamfered, allowing a zed. — — — — — — ompartments npartments and two integrated integrated, allowing a zed.	40/357/40 separation wall. Intended to guide cable proper bending radius of the cables. 201/150/201 201/150/201 201/200/201	es from vertical t 1 1 1 1	ISM5015 to horizontal 4260133 4260140 4260134 4260141
	For 350 mm Vertical corner with two convertical corner with two complication. The bend of the convertical corner shadows. Sheet steel, galvanian For 150x28 mm trunking For 150x38 mm trunking For 200x28 mm trunking Vertical corner with three convertical corner with three condirection. The bend of the convertical corner with three condirection.	partments and an integrated mer is chamfered, allowing a zed. — — — — — — ompartments npartments and two integrated integrated, allowing a zed.	40/357/40 separation wall. Intended to guide cable proper bending radius of the cables. 201/150/201 201/200/201 201/200/201 201/200/201 ed separation walls. Intended to guide of the cables.	es from vertical t 1 1 1 1	ISM50155 to horizontal 4260133 4260140 4260141
	For 350 mm Vertical corner with two convertical corner with two complication. The bend of the convertical corner with two complication. The bend of the convertical corner with three con	partments and an integrated mer is chamfered, allowing a zed. — — — — — — ompartments npartments and two integrated integrated, allowing a zed.	40/357/40 separation wall. Intended to guide cable proper bending radius of the cables. 201/150/201 201/200/201 201/200/201 ed separation walls. Intended to guide of proper bending radius of the cables.	es from vertical t 1 1 1 1 cables from verti	ISM5015 to horizontal 4260133 4260140 4260134 4260141 cal to horizor
	For 350 mm Vertical corner with two convertical corner with two compliance of the convertical corner with two compliance of the convertical corner with three convertical corner with thr	partments and an integrated mer is chamfered, allowing a zed. — — — — — — ompartments npartments and two integrated integrated, allowing a zed.	40/357/40 separation wall. Intended to guide cable proper bending radius of the cables. 201/150/201 201/200/201 201/200/201 ed separation walls. Intended to guide of proper bending radius of the cables. 201/250/201	es from vertical t 1 1 1 1 cables from verti	ISM5015 to horizontal 4260133 4260140 4260134 4260141 cal to horizor 4260138
	For 350 mm Vertical corner with two convertical corner with two compliance of the convertical corner with two compliance of the convertical corner with three convertical corner with thr	partments and an integrated mer is chamfered, allowing a zed. — — — — — — ompartments npartments and two integrated integrated, allowing a zed.	40/357/40 separation wall. Intended to guide cable proper bending radius of the cables. 201/150/201 201/200/201 201/200/201 ed separation walls. Intended to guide of proper bending radius of the cables. 201/250/201 201/250/201	es from vertical t 1 1 1 1 cables from verti	ISM5015 to horizontal 4260133 4260140 4260134 4260141 cal to horizor 4260138 4260145
	For 350 mm Vertical corner with two convertical corner with two complication. The bend of the convertical corner with two converticals sheet steel, galvanical For 150x28 mm trunking For 150x38 mm trunking For 200x28 mm trunking Vertical corner with three convertical corne	partments and an integrated mer is chamfered, allowing a zed. — — — — — — ompartments npartments and two integrated integrated, allowing a zed.	40/357/40 separation wall. Intended to guide cable proper bending radius of the cables. 201/150/201 201/200/201 201/200/201 ed separation walls. Intended to guide of proper bending radius of the cables. 201/250/201 201/250/201 201/350/201	es from vertical t 1 1 1 1 cables from verti 1 1 1	1SM5015 to horizontal 4260133 4260140 4260134 4260141 cal to horizor 4260138 4260145 4260139
	Vertical corner with two convertical corner with two compliance of the convertical corner with two compliance of the convertical corner with two convertical corner with three convertical	artments and an integrated ner is chamfered, allowing a zed. — — — — ompartments npartments and two integrat ner is chamfered, allowing a zed. — — — — — — — — — — — — — — — — — —	40/357/40 separation wall. Intended to guide cable proper bending radius of the cables. 201/150/201 201/200/201 201/200/201 ed separation walls. Intended to guide of proper bending radius of the cables. 201/250/201 201/250/201 201/350/201	es from vertical t 1 1 1 1 cables from verti 1 1 1 1 1	1SM5015 to horizontal 4260133 4260140 4260134 4260141 cal to horizor 4260138 4260145 4260139 4260146
	Vertical corner with two convertical corner with two complication. The bend of the convertical corner with two complication. The bend of the convertical corner with three corner with thr	artments and an integrated ner is chamfered, allowing a zed. — — — — ompartments npartments and two integrat ner is chamfered, allowing a zed. — — — — — — — — — — — — — — — — — —	40/357/40 separation wall. Intended to guide cable proper bending radius of the cables. 201/150/201 201/200/201 201/200/201 ed separation walls. Intended to guide of proper bending radius of the cables. 201/250/201 201/250/201 201/350/201 201/350/201	es from vertical t 1 1 1 1 cables from verti 1 1 1 1 1	1SM50159 to horizontal 4260133 4260140 4260134 4260141 cal to horizor 4260138 4260145 4260139 4260146

Range

Compatible Thorsman UFB products

Dimensions A/B/C (mm) Type Colour Qty per Ref. No. package

Adaptor for the connection of 1–4 conduits to the screeded floor box. The adaptor has four openings for Ø 50 mm (dimensions acc. to EN 60423) conduits. For smaller diameters, reduction sleeves can be used. They are easily pushed into the open ends of the adaptor. All entrances are provided with a knock-out opening on the inside to prevent unintentional leakage of concrete into the screeded box when the entrance is not in use. Material: PP.

UFB-AP	Yellow	55/40/257	10	5197 755
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Reduction sleeve

Reduction sleeve for the fitting of conduits smaller than Ø 50 mm in adaptor UFB-AP. The reduction sleeve is available for four different dimensions: Ø 16, Ø 20, Ø 32 and Ø 40 mm (dimensions acc. to EN 60423). The opening for the feeding conduit should be positioned at the bottom edge of the reduction sleeve, for a stable position of the conduit.

UFB-RM For conduits Ø 16 mm	Yellow	Ø50/39	10	5197 820
UFB-RM For conduits Ø 20 mm	Yellow	Ø50/39	10	5197 825
UFB-RM For conduits Ø 32 mm	Yellow	Ø50/39	10	5197 830
UFB-RM For conduits Ø 40 mm	Yellow	Ø50/39	10	5197 835

Floor trunking adaptor for 28 mm high trunking

Adaptor to be fitted to the side entrance of the screeded floor box for the connection of 28 mm high floor trunking to the box. Material: Sheet steel S 235 JR.

UFB-AP For 150x28 mm floor trunking	_	55/40/257	10	5197 761
UFB-AP For 200x28 mm floor trunking	_	55/40/257	10	5197 762
UFB-AP For 250x28 mm floor trunking	_	55/40/282	10	5197 763

Floor trunking adaptor for 38 mm high trunking

Adaptor to be fitted to the side entrance of the screeded floor box for the connection of 38 mm high floor trunking to the box.

Material. Officer Steel 0 2	.00 01 (.			
UFB-AP For 150x38 mm floor trunking	_	55/40/257	10	5197 771
UFB-AP For 200x38 mm floor trunking	_	55/40/257	10	5197 772
UFB-AP For 250x38 mm floor trunking	_	55/40/282	10	5197 773

Cable capacity Floor trunking							
Α 2	В	Total					
mm-	mm-	mm²					
1885	1885	3770					
2610	2610	5220					
2535	2535	5070					
3510	3510	7020					
1898	2450	6246					
2628	3430	8686					
3198	2450	8846					
4428	3430	12286					
	A mm² 1885 2610 2535 3510 1898 2628 3198	A B mm² 1885 1885 2610 2610 2535 2535 3510 3510 1898 2450 2628 3430 3198 2450					





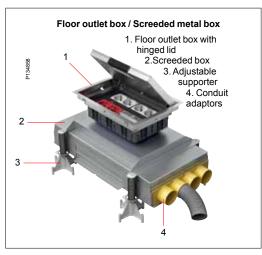


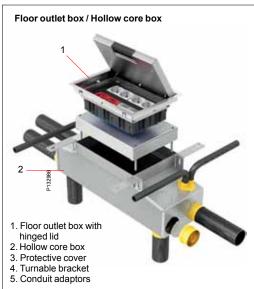


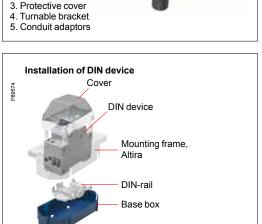


OptiLine 45 Floor boxes Technical description

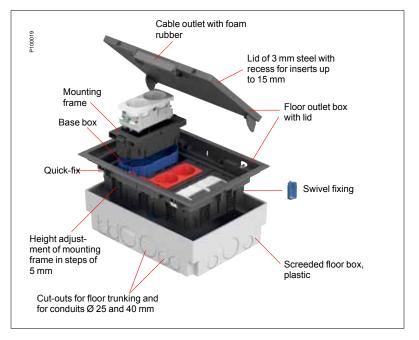
Exploded views





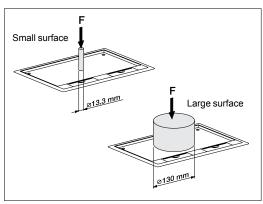


ABS	Density	1.04 g/cm ³		
	Water absorption	0.95%		
	Fire rating	UL 94 HB (1.6 mm)		
	Colour	Grey		
PA6	Density	1.13 g/cm ³		
	Fire rating	UL94 V2 (3.2 mm)		
	Colour	• Blue		
		• Grey		
		• Red		
PA6 with 30% glass pellets	Density	1.36 g/cm ³		
	Fire rating	UL 94 HB		
	Colour	Grey		
PBT with 30% glass-fibre	Density	1.52 g/cm ³		
	Fire rating	UL 94 HB (1.5 mm)		
	Colour	Grey		
PC/ABS	Density	1.14 g/cm ³		
	Water absorption	0.6%		
	Fire rating	UL 94 HB (halogen-free)		
	Colour	Anthracite grey		
PC+ASA	Density	1.15 g/cm ³		
	Water absorption	0.6%		
	Fire rating	UL 94 HB		
	Colour	White		
PP	Density	0.91 g/cm		
	Fire rating	UL 94 HB (1.5 mm)		
	Colour	Light grey		
		Yellow		
Sheet steel	Specification	S 350 GD		
	Density	7.8 g/cm ³		
	Surface treatment	Zinc coated		
Stainless steel	Specification:	X5CrNi 18-10		
	Density:	7.8 g/cm ³		
Degree of protection	IP20			
Standards		y with the standards		
	IEC 60670-23 and E			
	The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 93/68/EEC			
Temperature range	Operating temperatu	ure from -25°C to +60°C		

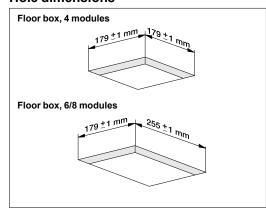


Range

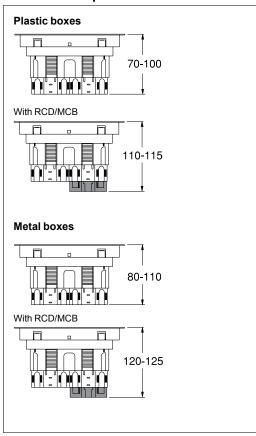
Max. load according to EN 50085-2-2



Hole dimensions



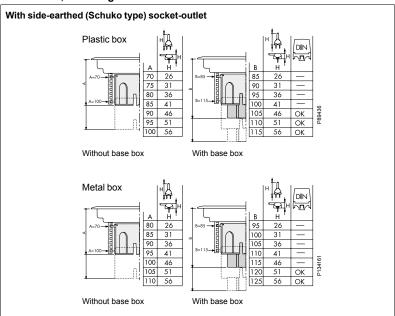
Installation depth



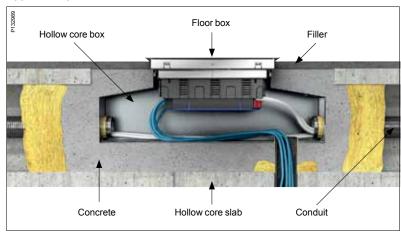
Max. load according to EN 50085-2-2

Plastic floor box 4 m	odules		
Small surface	Force (N)		Force (N)
Without inlay	3000	With stainless steel inlay	3000
Large surface	Force (N)		Force (N)
Without inlay	5000	With stainless steel inlay	5000
Plastic floor box 6/8	modules		
Small surface	Force (N)		Force (N)
Without inlay	2500	With stainless steel inlay	3000
Large surface	Force (N)		Force (N)
Without inlay	5000	With stainless steel inlay	5000
Metal floor box 4 mo	dules		
Small surface	Force (N)		Force (N)
Without inlay	3000	With stainless steel inlay	3000
Large surface	Force (N)		Force (N)
Without inlay	10000	With stainless steel inlay	10000
Metal floor box 6/8 m	odules		
Small surface	Force (N)		Force (N)
Without inlay	3000	With stainless steel inlay	3000
Large surface	Force (N)		Force (N)
Without inlay	10000	With stainless steel inlay	10000

Dimensions, floor heights



Application picture hollow core box



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, predefined 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.







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

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







117

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, or terminal interface

ISC00942_05-2013_EN Schneider

В	asic desk units					
		Туре	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
		Basic desk unit, empty				
		One-sided desk unit, empty. In Material: Aluminium, natural ar		ds, earthing cable and screws.		
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 desk unit, pre-wired, A	ltira side-earthed outlets,	Wieland interface		
		One-sided desk unit, pre-wired interface. No cables included. Material: Aluminium, natural ar		of Altira socket outlets, side-earthed, see	e below. With W	lieland
P117882	(24.22)	2 x double socket outlets	Anodized	62/60/285	1	ISM20440
P117883	242.42	1 x double socket outlet, 1 x triple socket outlet	Anodized	62/60/330	1	ISM20441
P117884	10 3253	2 x double socket outlets, RCD 30 mA, 16A	Anodized	88/60/420	1	ISM20442
P117885	222 223	1 x triple uninterrupted socket outlet, 1 x triple socket outlet	Anodized	62/60/465	1	ISM20443
P117886	0020	2 x double uninterrupted socket outlets	Anodized	62/60/285	1	ISM20444
		Basic desk unit, pre-wired, A	ltira side-earthed outlets,	terminal interface		
		One-sided desk unit, pre-wired interface. No cables included. Material: Aluminium, natural ar		of Altira socket outlets, side-earthed, see	e below. With te	rminal
P117887	22.22	2 x double socket outlets	Anodized	62/60/285	1	ISM20445
P117888	99999	1 x double socket outlet, 1 x triple socket outlet	Anodized	62/60/330	1	ISM20446
P117889	232 223	2 x double socket outlets, RCD 30 mA, 16A	Anodized	88/60/420	1	ISM20447
P117890	222 222	1 x triple uninterrupted socket outlet, 1 x triple socket outlet	Anodized	62/60/465	1	ISM20448
P117891	0000	2 x double uninterrupted socket outlets	Anodized	62/60/285	1	ISM20449
		Cable basket	Grey	170/150/265	1	INS40703

Range

Desk unit with flip lid				
	Туре	Colour	Dimensions A/B/C (mm)	Qty per Ref. No. package
	Desk unit with flip lid			
P117816		e, strain relief and mounting instr	d for 12 modules (12x22.5 mm). To uction included. Thickness of desk	
	Desk unit with flip lid	Grey	105/160/305	1 ISM20410
	Cable basket for desk unit w	rith flip lid		
P112321	Basket for cables, to be mount Material: Steel.	ted under the frame of the flip-lid u	unit, for instance under a desk.	
	Cable basket	Grey	170/150/265	1 INS40703
Turnable desk units, pre	e-wired			
, , , , , , , , , , , , , , , , , , , ,		d, with Altira side-earthed outle	ets	
	configurations. Two versions a with integrated plug and Cat. 5	ilso have a VGA and Audio switch ie patch cable), protected by a bra own axis to the desired position a	ets, side-earthed, and with several , see below. Including 6 m of conn aided sleeve. and stands secure on the designed	ection cables (power cable
88666d	Pre-wired with: 4 x double side-earthed socket outlets and 6 m power cable with plug, 2 x RJ45 LAN ports and 6 m uplink patch cables Cat. 5e	Anodized	92/130/618	1 ISM20356
60966d	Pre-wired with: 4 x double side-earthed socket outlets and 6 m power cable with plug, 6-port LAN switch 10/100 Mbps and 6 m uplink patch cable Cat. 5e	Anodized	92/130/692	1 ISM20357
066666d	Pre-wired with: 4 x double side-earthed socket outlets and 6 m power cable with plug, 6-port LAN switch 10/100 Mbps , 2-port VGA and Audio switch and 6 m uplink patch cable Cat. 5e	Anodized	92/130/720	1 ISM20358

Schneider Electric

Range

Pop-up desk units, pre-wired

Dimensions A (mm) Ref. No. Type Colour Qty per

Pop-up desk unit, pre-wired, with Altira side-earthed outlets

Pop-up desk unit, 6-sided. Three sides provided with double Altira socket outlets, side-earthed, and one side with a built-in 6-port LAN switch 10/100 Mbps. Two sides are empty for future installation needs. Including 6 m of connection cables (power with integrated plug and Cat. 5e patch cable). Fixing clamps and hooks for excess cables are included.

When inactive, the pop-up unit is flush with the desk-top. By pushing the top down, the gas activated spring brings the unit to the accessible position. When not in use, the unit can easily be pushed back to the flush position.

Material: Aluminum, anodized, with powder-coated top. 325/Ø236 ISM20345 Pre-wired with: Anodized

3 x double side-earthed socket outlets and 6 m power cable with plug 6-port LAN switch 10/100 Mbps and 6 m uplink patch

cable Cat. 5e

Pop-up desk unit, 6-sided. Three sides provided with double Altira socket outlets, side-earthed. Three sides are empty for future installation needs. Including 6 m of power connection cable with integrated plug. Fixing clamps and hooks for excess cables are

When inactive, the pop-up unit is flush with the desk-top. By pushing the top down, the gas activated spring brings the unit to the accessible position. When not in use, the unit can easily be pushed back to the flush position.

Material: Aluminum, anodized, with powder-coated top.

Pre-wired with: 325/Ø236 ISM20346 Anodized

3 x double side-earthed socket outlets and 6 m power cable with plug

Pop-up desk units, pre-wired

Dimensions A/R/C (mm) Colour Ref. No. Qty per package

Pop-up desk unit, pre-wired, with Unica side-earthed outlets

Pop-up desk unit, 6-sided. Three sides provided with double Unica socket outlets, side-earthed, and one side with a built-in 6-port LAN switch 10/100 Mbps. Two sides are empty for future installation needs. Including 6 m of connection cables (power with integrated plug and Cat. 5e patch cable). Fixing clamps and hooks for excess cables are included

When inactive, the pop-up unit is flush with the desk-top. By pushing the top down, the gas activated spring brings the unit to the accessible position. When not in use, the unit can easily be pushed back to the flush position. Material: Aluminum, anodized, with powder-coated top.

Pre-wired with: 325/Ø236 ISM20720 Anodized

3 x double side-earthed socket outlets and 6 m power cable with plug, 6-port LAN switch 10/100

Mbps and 6 m uplink patch

Pop-up desk unit, 6-sided. Three sides provided with double Unica socket outlets, side-earthed. Three sides are empty for future installation needs. Including 6 m of power connection cable with integrated plug. Fixing clamps and hooks for excess cables are

When inactive, the pop-up unit is flush with the desk-top. By pushing the top down, the gas activated spring brings the unit to the accessible position. When not in use, the unit can easily be pushed back to the flush position.

Material: Aluminum, anodized, with powder-coated top.

Pre-wired with: 325/Ø236 ISM20721 3 x double side-earthed socket

outlets and 6 m power cable with plua

Manual pop-up desk units, empty

Pop-up desk unit, empty

Pop-up desk unit, one-sided, manual. Including earthing cable, strain relief and mounting instruction. When inactive, the pop-up unit is flush with the desk-top. By a light pressure on the top, the unit can be lifted up from the desk surface. When not in use, it is easily pressed back to the flush position. 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 exit in any direction (360°). Hole dimension: diam 100 mm

Material: Aluminium, anodized

Manual pop-up box, 6-module*	Anodized	252/112/-	1	ISM20400
Manual pop-up box, 8-module*	Anodized	297/112/-	1	ISM20401

^{* 1} module = 22.5 mm



99991









Range

	Туре	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Accessory kit		· ´		
	Accessory kit including m locked, in OptiLine 70 fro Material: Aluminium, natu	nt opening.	d screws. For the installation of basic	c desk unit, snap-fitte	d and screw-
	For 3 modules	Anodized	37/8/195	1	ISM20425
	For 4 modules	Anodized	37/8/240	1	ISM20426
	For 5 modules	Anodized	37/8/285	1	ISM20427
	For 6 modules	Anodized	37/8/330	1	ISM20428
	For 8 modules	Anodized	37/8/420	1	ISM20429
	For 9 modules	Anodized	37/8/465	1	ISM20451
	Connection block				
e.	Connection block with str Material: PC, aluminium.	ain relief, screw and one-mo	dule front cover.		
	Connection block	_	30/40/75	1	ISM20450
	Power cables				
4			ors. Cable: halogen-free Ø10.2 mm, octor (combined pin- and side-earth).		
1	Cable, 2 m	White	Length 2000	1	INS40720
	Cable, 3 m	White	Length 3000	1	INS40721
	Cable, 5 m				1110-10721
	Cable, 5 III	White	Length 5000	1	INS40722
	Fixings for Basic box	White	Length 5000	1	
	Fixings for Basic box	ding two universal fixings, tw	Length 5000 o cable tray fixings, two screws and t		INS40722
	Fixings for Basic box Cable tray fixing, kit includifferent positions in slots	ding two universal fixings, tw	•		INS40722
	Fixings for Basic box Cable tray fixing, kit includifferent positions in slots Material: Steel, zinc plate Fixing for cable tray	ding two universal fixings, tw in the box. d. — nounted in three different po	o cable tray fixings, two screws and t	wo nuts. Can be mou 2	INS40722 unted in three
	Fixings for Basic box Cable tray fixing, kit includifferent positions in slots Material: Steel, zinc plate Fixing for cable tray Universal fixing. Can be r	ding two universal fixings, tw in the box. d. — nounted in three different po	o cable tray fixings, two screws and t 42/45/70	wo nuts. Can be mou 2	INS40722 unted in three
	Fixings for Basic box Cable tray fixing, kit includifferent positions in slots Material: Steel, zinc plate Fixing for cable tray Universal fixing. Can be remarked by Material: Steel, zinc plate Universal fixing Wall fixing, to be screw-fit	ding two universal fixings, two in the box. d.	o cable tray fixings, two screws and t 42/45/70 sitions in slots in the box. Package of	wo nuts. Can be mou 2 two.	INS40722 Inted in three INS40701 INS40702

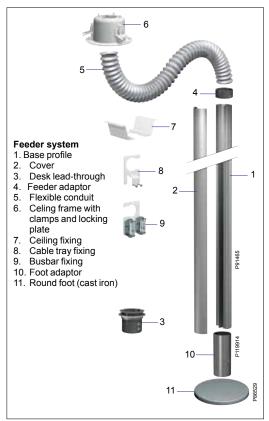
Schneider Electric

	Туре	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
	Ceiling cable feeder		70273 (11111)	puonago	
	Cable feeder including ba		and cover. Diameter 52 mm. For cable	e feeding from ceili	ng to work-des
- 11		ıral anodized or powder coate			
Ш	Cable feeder	Anodized White	3200/Ø52	1	ISM20800 ISM20801
	Desk lead-through				
		h flange and locking device. Fo der coated grey RAL 9007 or v	or lead-through of ceiling cable feeder t white RAL 9010.	hrough desktop.	
	Desk lead-through	Grey White	70/Ø80	1	ISM20802 ISM20803
	Feeder adaptor				102000
		feeder. To be used as connect der coated grey RAL 9007 or	ion for flexible conduit Ø55 mm. white RAL 9010.		
	Adaptor	Grey White	25/Ø58.5	1	ISM2080
	Foot adaptor				
	•	unting the ceiling cable feeder	onto a round foot (ISM20808).		
1	Foot adaptor	Grey	145/Ø60	1	ISM2083
	Round foot				
			e base to the ceiling cable feeder. Fixes	s to the foot adapto	r by means o
	Foot, round	Grey	29/Ø317	1	ISM2080
	Flexible conduit, Ø55 mm Material: PUR (polyureth Flexible conduit	n, to be used to bring cables fro ane). Alu metallic White NCS	om ceiling to cable feeder. 2000/Ø55	2 m	ISM2080 ISM2080
		e), Ø25 mm, to be used for cal using dedicated mounting tool	ole feeding from ceiling to service carrie	er or from floor outl	et box to desk
THE REAL PROPERTY.	Flexible conduit	Grey metallic	Ø25/2000	2	ISM5085
	Mounting tool				
		f cables in split-tube flexible co	onduits.		
	Material: PP. For Ø25 mm conduit		Ø115/36/70	1	ISM5085
		_			
		_			
	Ceiling frame Ceiling frame intended to included clamps. Also inc		false ceiling. To be mounted in circular h		
	Ceiling frame Ceiling frame intended to included clamps. Also inc can also be used as a dri	eluding a slotted plastic plate to Il template for entrance hole Ø White	false ceiling. To be mounted in circular h		le ties. The pl
	Ceiling frame Ceiling frame intended to included clamps. Also inc can also be used as a dri Material: PC/ABS.	eluding a slotted plastic plate to Il template for entrance hole Ø	ialse ceiling. To be mounted in circular he be used to lock the flexible conduit, who the flexible conduit, who the flexible conduit, who have the flexible conduit, who the flexible conduit, who have the flexible conduit, who have the flexible conduits the flexibl	hich is fixed by cab	le ties. The pl
	Ceiling frame Ceiling frame intended to included clamps. Also inc can also be used as a dri Material: PC/ABS. Ceiling frame Cable tray fixing	eluding a slotted plastic plate to Il template for entrance hole Ø White RAL 9010	ialse ceiling. To be mounted in circular he be used to lock the flexible conduit, who the flexible conduit, who the flexible conduit, who have the flexible conduit, who the flexible conduit, who have the flexible conduit, who have the flexible conduits the flexibl	nich is fixed by cab	le ties. The pl
	Ceiling frame Ceiling frame intended to included clamps. Also included clamps as a dri Material: PC/ABS. Ceiling frame Cable tray fixing Cable tray fixing including	eluding a slotted plastic plate to Il template for entrance hole Ø White RAL 9010	false ceiling. To be mounted in circular he be used to lock the flexible conduit, who seems. 89/Ø161	nich is fixed by cab	ISM20812
	Ceiling frame Ceiling frame intended to included clamps. Also inc can also be used as a dri Material: PC/ABS. Ceiling frame Cable tray fixing Cable tray fixing including Material: Steel, powder concable tray fixing Cable tray fixing	eluding a slotted plastic plate to all template for entrance hole and white RAL 9010 g fixing material, intended to conted. White RAL 9010	ralse ceiling. To be mounted in circular he be used to lock the flexible conduit, who see that the see that t	nich is fixed by cab	le ties. The pl
	Ceiling frame Ceiling frame intended to included clamps. Also inc can also be used as a dri Material: PC/ABS. Ceiling frame Cable tray fixing Cable tray fixing including Material: Steel, powder concable tray fixing Cable tray fixing	Sudding a slotted plastic plate to a slotted plastic plate to be seen to be s	ialse ceiling. To be mounted in circular he be used to lock the flexible conduit, who seems to be used to lock the flexible conduit, who seems to be used	nich is fixed by cab	le ties. The pl

Acce	ssories for desk	units				
		Туре	Colour	Dimensions A/B/C (mm)	Qty per package	Ref. No.
		Busbar fixing				
P94503		Busbar fixing for Ø55 mm Material: Steel, powder co		et flexible conduit to busbar trunking.		
	CU	Busbar fixing	White RAL 9010	105/90/70	1	ISM20815
		Floor grommet				
P103324		devices, two-part cover ar water-tight blank plate who	nd sealing foam for protectior en no service post has been a strap. Hole diameter 127 m	al version of the two-sided service pr n from dust and wet floor-cleaning. Th installed. When installing a post, the m.	ne cover has the func	tion of a
		Floor grommet	_	38/Ø147	1	INS40550
		Tube adaptor				
P103325			with flexible tube and a furni	lexible tubes Ø25 mm. With integrate ture unit.	ed strain relief of flexil	ole tube. To be
		Tube adaptor	_	39/64/80	1	INS40551
		Earthing kit				
P85796	1	Kit including earth wire wit	h flat pin connectors and ear	thing 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	20	Earthing clamp to be used Material: Steel.	for bonding of front cover, b	ase profile and accessories to earth.		
		Earthing clamp	_	9/9/9	20	ISM10952
		Modular device adaptor				
		2-module adaptor for 1-2 r Material: PC+ASA, white of		nce miniature circuit breakers. With t	ransparent grey cove	er.
P85793		Modular device adaptor	White RAL 9010	90/72/45	1	ISM10907
P87195		Modular device adaptor	Alu metallic	90/72/45	1	ISM10957

Technical description

Exploded view



Cable capacity Comp. Max Cross section Cable capacity*) mm² $\mathbf{Ø}\ \mathbf{mm}$ area mm² 40% 50% Basic service box 975 2438 1219 1463 48 Ceiling cable feeder 256 640 320 384 18

418

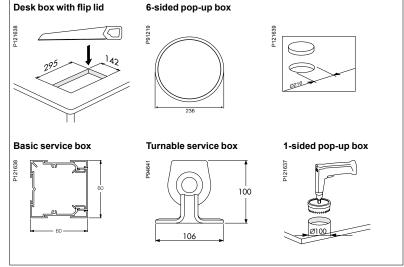
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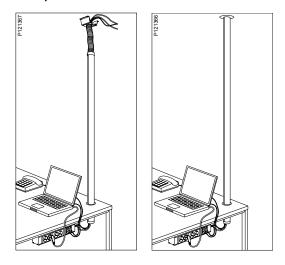
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Dimensions

24



Examples



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

OptiLine 45 Service boxes Technical description







Aluminium; desk units	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 temperat	ure from -5°C to +60°C		
Standards and certificates	The products compl	y with the standards:		
	• IEC 1084-1 (Basic	desk unit only)		
	IEC 1084-2-4 (Basic desk unit only) SS 424 10 32: 1989			
		the provisions for CE marking		
	according to the Low Voltage Directive 73/23/EEC and 93/68/EEC			
		proved for installation of the Altir		
	range of service content			
	All desk units are CE-maraked			

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Ref.No 1003 020	84	ISM10201	77	ISM10401	79	ISM10907	100	ISM20130	90
1005 020		ISM10201		ISM10401					
1149 608		ISM10201 ISM10202		ISM10402		ISM10908		ISM20130ISM20131	
1220 106		ISM10202		ISM10402		ISM10950 ISM10950		ISM20131	
1772 058		ISM10202		ISM10403		ISM10950		ISM20131	
3782 020		ISM10203		ISM10404		ISM10950		ISM20132	
3782 030		ISM10204		ISM10404		ISM10950		ISM20133	
4020 210		ISM10204		ISM10405		ISM10950		ISM20140	
5197 755		ISM10205		ISM10405		ISM10950		ISM20140	
5197 761		ISM10205		ISM10406		ISM10950		ISM20141	
5197 762	113	ISM10206		ISM10406		ISM10950		ISM20141	
5197 763		ISM10206		ISM10450		ISM10950		ISM20142	
5197 771		ISM10207	77	ISM10450	81	ISM10950	79	ISM20142	90
5197 772		ISM10207	77	ISM10451	77	ISM10950	82	ISM20143	89
5197 773		ISM10207	77	ISM10451	81	ISM10950	92	ISM20143	90
5197 820		ISM10207	77	ISM10452		ISM10950	101	ISM20144	89
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4260141		ISM10258		ISM10505		ISM11254		ISM20202	
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4260146		ISM10258		ISM10506		ISM20100		ISM20203	
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INS40551	123	ISM10300		ISM10550		ISM20102		ISM20205	
INS40700	121	ISM10301		ISM10551	77	ISM20102	90	ISM20206	98
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