# OptiLine 45

Catalogue 2022

Life Is On | Schneider Electric

# Contents

# 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 Unica wiring devices, solutions are created that fulfil the most stringent demands for function, design, convenience and safety.
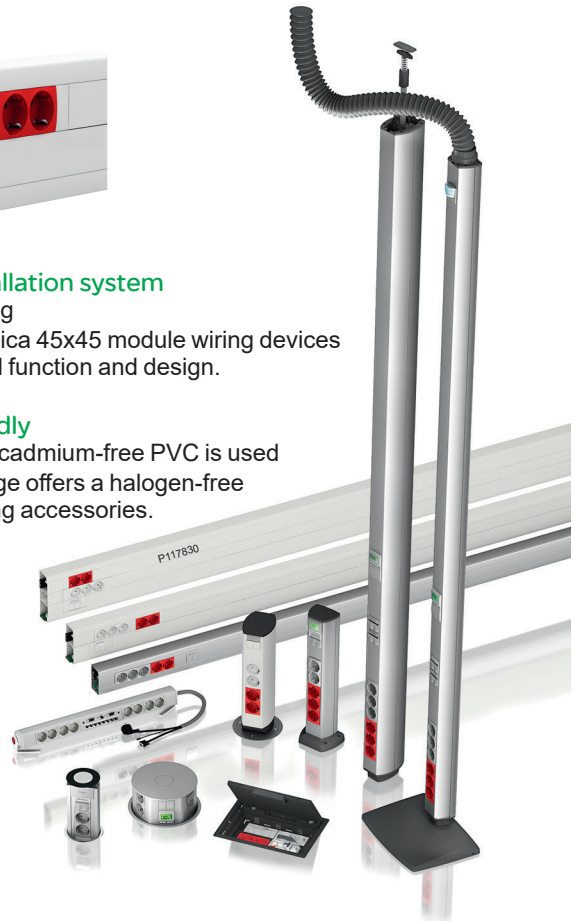
### Direct click-in installation system
- 45 mm front opening
- Direct click-in of Unica 45x45 module wiring devices which gives optimal function and design.

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

### New Unica 45x45 module wiring devices
New Unica is a wiring device series suitable for direct click-in in OptiLine 45 trunking, poles, posts, floor boxes and service boxes.

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

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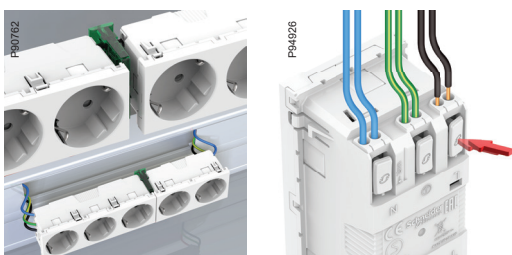
## Trunking

A cost-effective installation with high capacity.

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



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

## Poles

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

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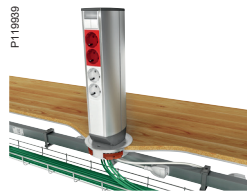


**Main benefits:**
• Design: Aluminium with a high surface finish. Softly rounded and slender form
• Stable, sturdy design. Several parts are cast
• Movable poles have steady feet. The rectangular foot also allows poles to be installed back-to-back or against a wall
• The adjustable ceiling fixing for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

## Posts

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

**The range**
Available in aluminium in one and two-sided versions.



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

## 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, cable and plug
• A mini pop-up, empty
• A turnable and smoothly rounded one-sided box. Pre-wired with outlets, cables and plugs.
• A one-sided box, empty.
• A flip-up box for flush mounting in desks, empty.

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

# OptiLine 45 Trunking
## Presentation

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

OptiLine 45 trunking are available in lead- and cadmium-free PVC or aluminium with a 45 mm front opening. All trunking are 55 mm deep, which gives a high cable capacity and space for cables behind the wiring devices. One of the main advantages is the easy installation. The design is symmetrical and all accessories are click-in mounted without any need of adaptations. It is also very easy to create cross sectional feeding of the cables in the PVC trunking thanks to the pre-punched slots in the partition walls.

Dedicated installation fixings and an extra-secure click-in function for the front and Unica 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 | 95x55 | 140x55 | 165x55 | 185x55 |
|---|---|---|---|---|
| With one compartment | With one compartment | With two compartments | With two compartments, especially intended for VDI installations | With three compartments |

### Aluminium Trunking



| 75x55 | 95x55 | 140x55 | 165x55 | 185x55 |
|---|---|---|---|---|
| With one compartment | With one compartment | With one compartment | With two compartments | With two compartments |

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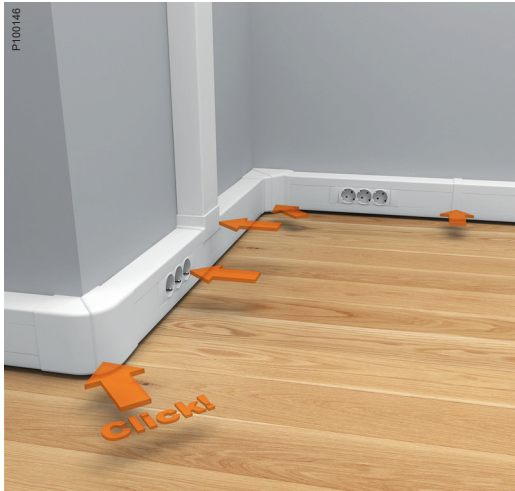
### The complete trunking system
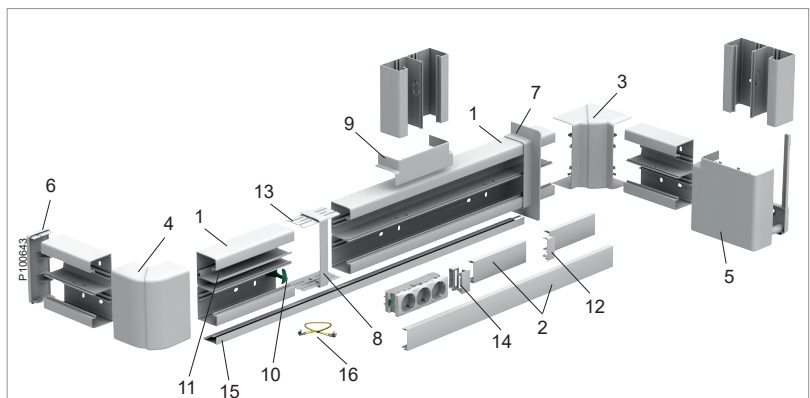


1. Trunking base
2. Front cover
3. Internal corner
4. External corner
5. Bend 90°, incl wall fixing
6. Stop end
7. Wall/ceiling frame
8. Joint cover piece
9. T-piece
10. Cable retainer
11. Cable shelf
12. Joint cover piece for front cover
13. Jointing piece
14. Front locking clip
15. Sealing strip
16.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

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



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



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

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



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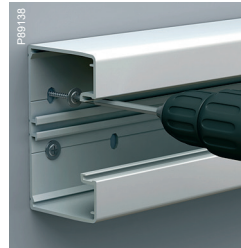


**Professional tools and fixings**
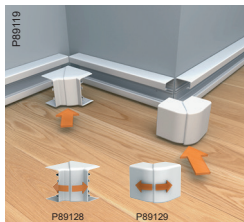Dedicated tools and fixings for fast and safe installation.
• Extra long drills and bits to avoid damaging the front when using a drilling machine
• Fixings suitable for any material
• Screws for PVC trunking
• Screws to be used together with single-insulated wires.



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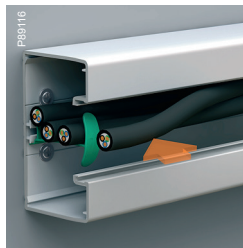• Perfect joints
• No tools needed
• Joint cover piece in one piece
• The jointing pieces can also be used for joints without joint cover piece.



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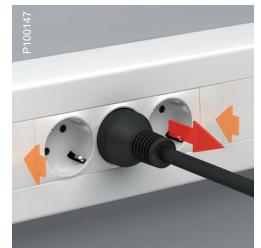The cable retainer keeps all the cables in place in the trunking during the installation.
• Faster installation
• One man can do the work
• Green colour for quick identification
• Can remain in place also after the installation.
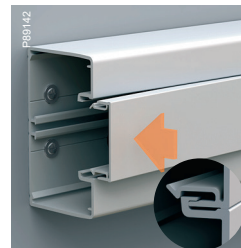


**Secure front cover**
Auto-guided and extra secure click-in for the front. High-quality material.
• Easy to mount also when kneeling
• Works reliably even at low temperatures
• Can not be opened without a tool
• IP40 classified.



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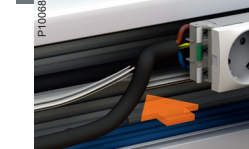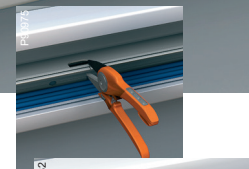• High pull-out loads on the wiring devices
• Design aligned with Unica.



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



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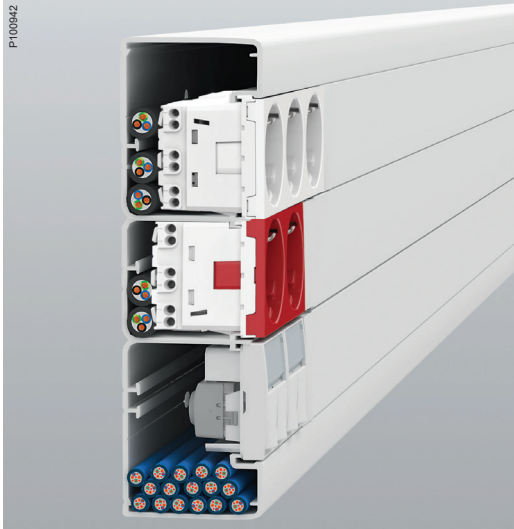• 5-15 mm coverage
• Easy cleaning
• Solid impression.



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

# OptiLine 45 Trunking
## Presentation

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

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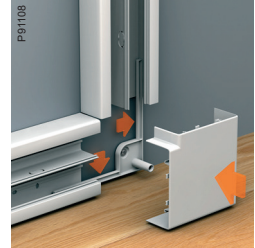The trunking base is symmetrical and has a softly rounded form.
• Easy and safe mounting
• No risk of installing the trunking upside-down
• The trunking form guides the accessories in place.

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

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

### High classification
The trunking is IP40 and IK07 classified.
• Safe and impact resistant
• Can not be opened without a tool.
The PVC trunking is fire classified in category M1.

### One-compartment trunking
Suitable for both installation and distribution. A cable shelf separates VDI cables from power cables.
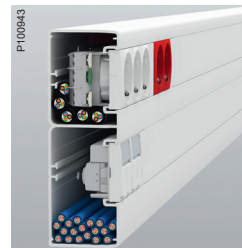
### Dedicated VDI trunking
A non-symmetrical two-compartment trunking especially intended for VDI installations.
• Extra space for VDI cables in the larger lower compartment
• Long distance between VDI and power cables.

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

# OptiLine 45 Trunking
## Dimensions

**PVC**



**75x55**



**95x55**



**140x55**



**165x55**



**185x55**

**Aluminium Trunking**



**75×55**



**95×55**



**140×55**



**165×55**
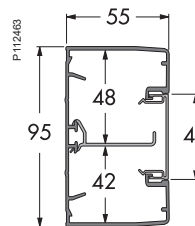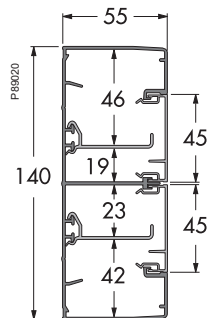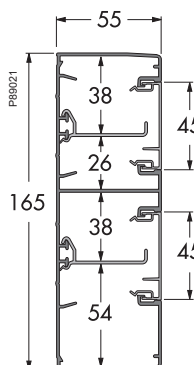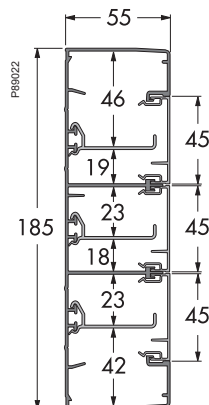


**185×55**

# OptiLine 45 Trunking
## Cable capacity

## Cable capacity
### Installation trunking 75x55 and 95x55 mm

**75x55 and 95x55 without outlets**
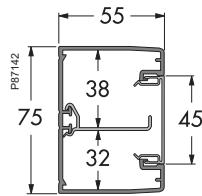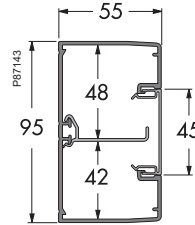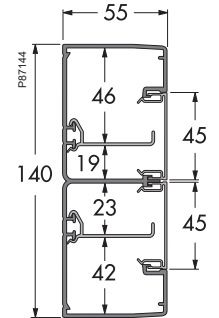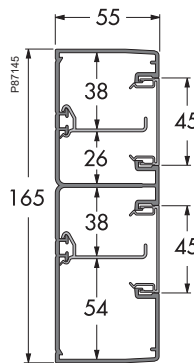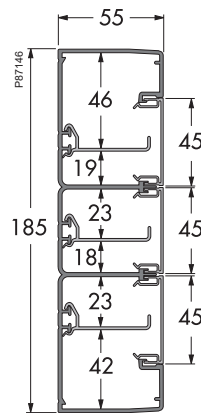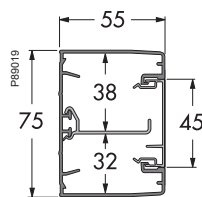If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

P91130  P91128

| Com-part-ment | Fill factor | |
|---|---|---|
| | **100%** Inner area | **50%** Inner area |
| 🟩 | 3508 mm² | 1754 mm² |
| 🟧 | 4505 mm² | 2253 mm² |

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



Trunking size 75x55
Trunking size 95x55

**75x55 and 95x55 with Unica outlets**
If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

P91131  P91129

| Com-part-ment | Fill factor | |
|---|---|---|
| | **100%** Inner area | **50%** Inner area |
| 🟩 | 2385 mm² | 1193 mm² |
| 🟧 | 3382 mm² | 1691 mm² |

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



Trunking size 75x55
Trunking size 95x55

### Installation trunking 140x55 mm

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

| Com-part-ment | Fill factor | |
|---|---|---|
| | **100%** Inner area | **50%** Inner area |
| 🟩 | 3303 mm² | 1652 mm² |
| 🟧 | 3303 mm² | 1652 mm² |

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



Compartment 1
Compartment 2

**140x55 with Unica 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 mm² | 1090 mm² |
| 🟧 | 2180 mm² | 1090 mm² |
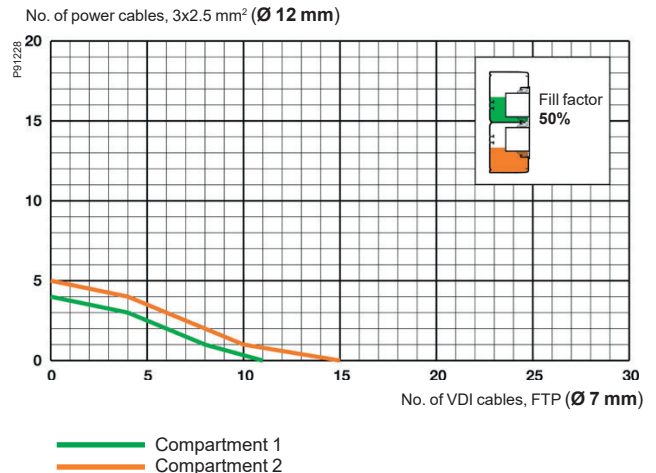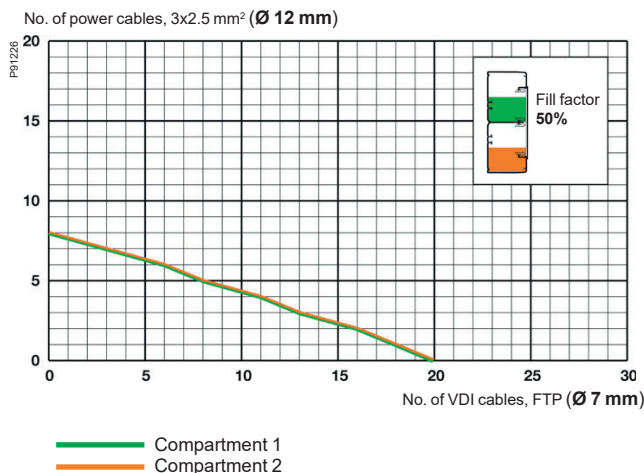
No. of power cables, 3x2.5 mm² (**Ø 12 mm**)



Compartment 1
Compartment 2

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

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# OptiLine 45 Trunking
## Cable capacity

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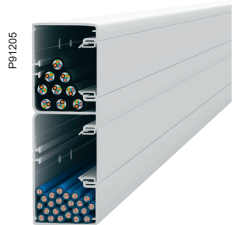
**165x55 (VDI) without outlets**
If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

| Compartment | Fill factor 100% | 50% |
|---|---|---|
| | Inner area | Inner area |
| 🟩 | 3374 mm² | 1687 mm² |
| 🟧 | 4358 mm² | 2179 mm² |

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



Fill factor **50%**

Compartment 1
Compartment 2
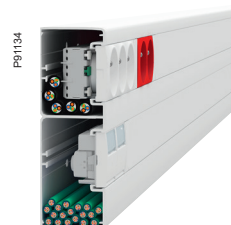
**165x55 (VDI) with Unica outlets**
If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

| Compartment | Fill factor 100% | 50% |
|---|---|---|
| | Inner area | Inner area |
| 🟩 | 2251 mm² | 1126 mm² |
| 🟧 | 3235 mm² | 1618 mm² |

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



Fill factor **50%**

Compartment 1
Compartment 2

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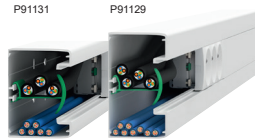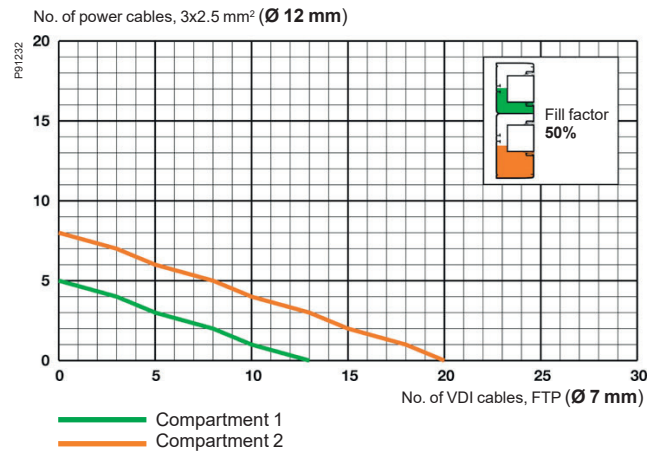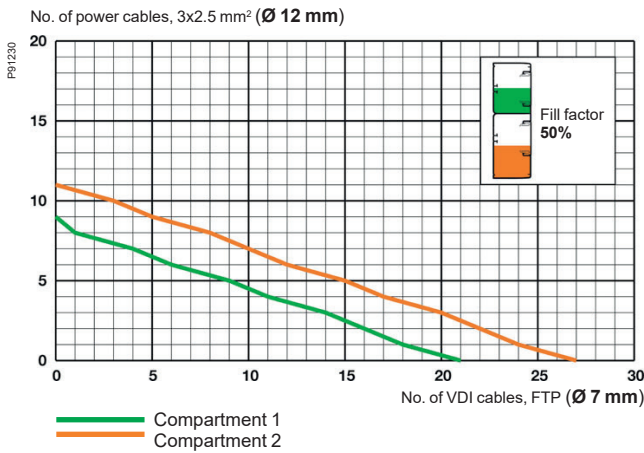
### Installation trunking 185x55 mm
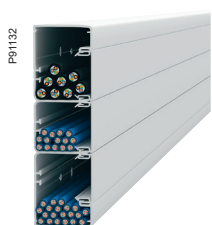
**185x55 without outlets**
If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

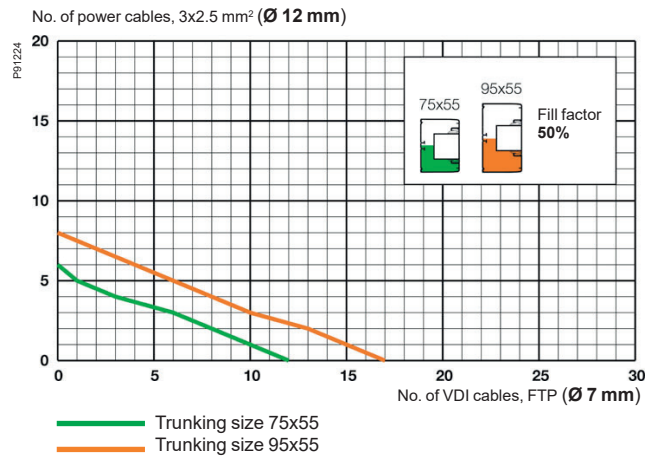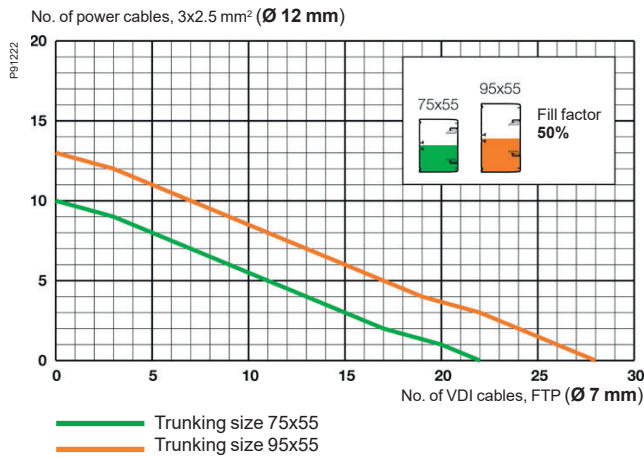| Compartment | Fill factor 100% | 50% |
|---|---|---|
| | Inner area | Inner area |
| 🟩 | 3218 mm² | 1609 mm² |
| 🟦 | 2187 mm² | 1094 mm² |
| 🟧 | 3218 mm² | 1609 mm² |

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



Fill factor **50%**

Compartment 1
Compartment 2
Compartment 3
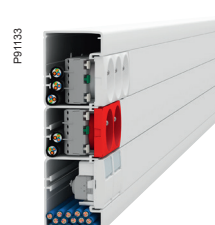
**185x55 with Unica outlets**
If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

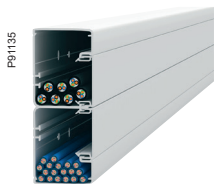| Compartment | Fill factor 100% | 50% |
|---|---|---|
| | Inner area | Inner area |
| 🟩 | 2095 mm² | 1048 mm² |
| 🟦 | 1064 mm² | 532 mm² |
| 🟧 | 2095 mm² | 1048 mm² |
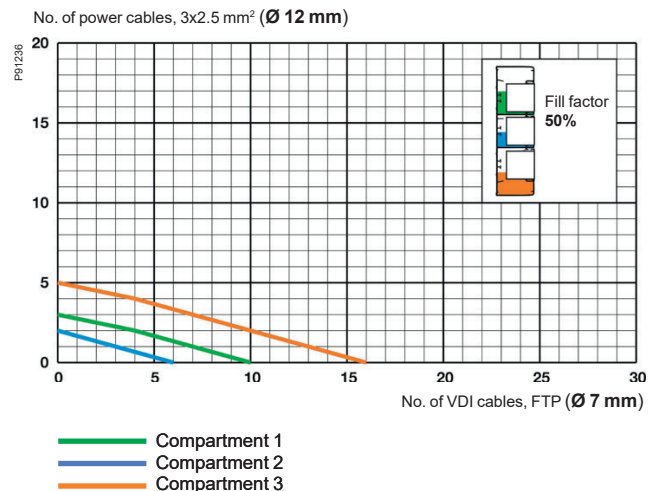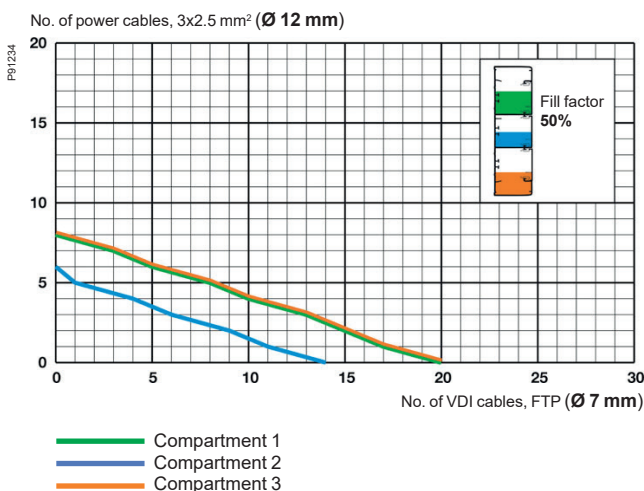
No. of power cables, 3x2.5 mm² (**Ø 12 mm**)



Fill factor **50%**

Compartment 1
Compartment 2
Compartment 3

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

## Trunking and accessories

| Trunking size | Trunking incl. separate front cover | | Internal corner | | External corner | | Bend 90° | | Stop end | | Wall/ceiling frame | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ref. No. | Qty per pack | Ref. No | Qty per pack | Ref. No. | Qty per pack | Ref. No. | Qty per pack | Ref. No. | Qty per pack | Ref. No. | Qty per pack |
| **PVC** | | | | | | | | | | | | |
| **75x55** | ISM10100P ISM10110P | 24 m | ISM10101P | 1 | ISM10102P | 1 | ISM10103P | 1 | ISM10104P | 2 | ISM10105P | 1 |
| **95x55** | ISM10200P | 12 m | ISM10201P | 1 | ISM10202P | 1 | ISM10203P | 1 | ISM10204P | 2 | ISM10205P | 1 |
| **140x55** | ISM10300P ISM10310P | 12 m | ISM10301P | 1 | ISM10302P | 1 | ISM10303P | 1 | ISM10304P | 2 | ISM10305P | 1 |
| **165x55** | ISM10400P | 12 m | ISM10401P | 1 | ISM10402P | 1 | ISM10403P | 1 | ISM10404P | 2 | ISM10405P | 1 |
| **185x55** | ISM10500P | 8 m | ISM10501P | 1 | ISM10502P | 1 | ISM10503P | 1 | ISM10504P | 2 | ISM10505P | 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** | ISM10350 | 6 m | ISM10351 | 1 | ISM10352 | 1 | ISM10353 | 1 | ISM10354 | 2 | ISM10355 | 1 |
| **165x55** | 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 |

P=Polar white

Schneider Electric

| 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 per pack |
| | | | | | | | | | | | | | |
| ISM10106P | 1 | ISM10107P | 1 | – | – | ISM10900P | 24 m | ISM10950 | 24 m | ISM10903P | 5 | ISM10904 | 10 |
| ISM10206P | 1 | ISM10207P ISM10208P | 1 | – | 1 | ISM10900P | 24 m | ISM10950 | 24 m | ISM10903P | 5 | ISM10904 | 10 |
| ISM10306P | 1 | ISM10207P ISM10208P | 1 | ISM10308P | 1 | ISM10900P | 24 m | ISM10950 | 24 m | ISM10903P | 5 | ISM10904 | 10 |
| ISM10406P | 1 | ISM10207P ISM10208P | 1 | ISM10308P | 1 | ISM10900P | 24 m | ISM10950 | 24 m | ISM10903P | 5 | ISM10904 | 10 |
| ISM10506P | 1 | ISM10207P ISM10208P | 1 | ISM10308P | 1 | ISM10900P | 24 m | ISM10950 | 24 m | ISM10903P | 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 |

# OptiLine 45 Trunking
## Range

## PVC trunking

| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|
| **Installation trunking** | | | | | |
| Installation trunking including one-compartment trunking base and front cover. The trunking base has pre-punched mounting holes every 25th cm and can be provided with cable shelves. 45 mm front opening for direct click-in of Unica 45x45 module wiring devices. Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m. Size 75 mm is also available in lengths of 3 m. Material: PVC. | | | | | |
| With one compartment | Polar white | 75/55/2000 75/55/3000 | 24 m | 3606480681493 3606480681578 | ISM10100P ISM10110P |
| With one compartment | Polar white | 95/55/2000 | 12 m | 3606480681585 | ISM10200P |
| Installation trunking including two or three-compartment trunking base and front covers. The trunking base has pre-punched mounting holes every 25th cm and can be provided with cable shelves. The integrated partition wall has pre-punched slots every 25th cm to facilitate cable laying. 45 mm front opening for direct click-in of Unica 45x45 module wiring devices. Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m. Size 140 mm is also available in lengths of 3 m. Material: PVC. | | | | | |
| With two compartments | Polar white | 140/55/2000 140/55/3000 | 12 m | 3606480681677 3606480681752 | ISM10300P ISM10310P |
| With two compartments, the lower comp. for VDI appl. | Polar white | 165/55/2000 | 12 m | 3606480681769 | ISM10400P |
| With three compartments | Polar white | 185/55/2000 | 8 m | 3606480681837 | ISM10500P |

## Accessories for PVC trunking

| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|
| **Internal corner** | | | | | |
| Adjustable internal corner for an 80–100 degree angling of PVC trunking. Material: PC/ABS. | | | | | |
| For trunking 75x55 | Polar white | 84/117/117 | 1 | 3606480681509 | ISM10101P |
| For trunking 95x55 | Polar white | 104/117/117 | 1 | 3606480681592 | ISM10201P |
| For trunking 140x55 | Polar white | 149/117/117 | 1 | 3606480681684 | ISM10301P |
| For trunking 165x55 | Polar white | 174/117/117 | 1 | 3606480681776 | ISM10401P |
| For trunking 185x55 | Polar white | 194/117/117 | 1 | 3606480681844 | ISM10501P |
| **External corner** | | | | | |
| Adjustable external corner for a 75–135 degree angling of PVC trunking. Material: PC/ABS. | | | | | |
| For trunking 75x55 | Polar white | 84/105/105 | 1 | 3606480681516 | ISM10102P |
| For trunking 95x55 | Polar white | 104/105/105 | 1 | 3606480681608 | ISM10202P |
| For trunking 140x55 | Polar white | 149/105/105 | 1 | 3606480681691 | ISM10302P |
| For trunking 165x55 | Polar white | 174/105/105 | 1 | 3606480681783 | ISM10402P |
| For trunking 185x55 | Polar white | 194/105/105 | 1 | 3606480681851 | ISM10502P |

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## Accessories for PVC trunking

| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|
| **Bend, 90°, kit** | | | | | |
| 90 degree bend kit for angling upwards and downwards of PVC trunking. Including bend piece and fixing device to be screw-fitted to the wall. Material: PC/ABS. | | | | | |
| For trunking 75x55 | Polar white | 102/57/102 | 1 | 3606480681523 | ISM10103P |
| For trunking 95x55 | Polar white | 122/57/122 | 1 | 3606480681615 | ISM10203P |
| For trunking 140x55 | Polar white | 167/57/167 | 1 | 3606480681707 | ISM10303P |
| For trunking 165x55, only upwards angling | Polar white | 192/57/192 | 1 | 3606480681790 | ISM10403P |
| For trunking 185x55 | Polar white | 212/57/212 | 1 | 3606480681868 | ISM10503P |
| **Stop end** | | | | | |
| Stop end for PVC trunking. Fast fitting with locking clips. Screw-fixing possible for extra security. Package of two. Material: PC/ABS. | | | | | |
| For trunking 75x55 | Polar white | 79/56/21 | 2 | 3606480681530 | ISM10104P |
| For trunking 95x55 | Polar white | 99/56/21 | 2 | 3606480681622 | ISM10204P |
| For trunking 140x55 | Polar white | 144/56/21 | 2 | 3606480681714 | ISM10304P |
| For trunking 165x55 | Polar white | 169/56/21 | 2 | 3606480681806 | ISM10404P |
| For trunking 185x55 | Polar white | 189/56/21 | 2 | 3606480681875 | ISM10504P |
| **Wall/ceiling frame** | | | | | |
| Wall/Ceiling frame to be fitted around a PVC trunking at wall or ceiling passage. Easily modified to C or L-profile depending on how the passage is made. Snap-fitted, with a screw-fixing option for high security. Material: PC/ABS. | | | | | |
| For trunking 75x55 | Polar white | 130/82/22 | 1 | 3606480681547 | ISM10105P |
| For trunking 95x55 | Polar white | 150/82/22 | 1 | 3606480681639 | ISM10205P |
| For trunking 140x55 | Polar white | 195/82/22 | 1 | 3606480681721 | ISM10305P |
| For trunking 165x55 | Polar white | 220/82/22 | 1 | 3606480681813 | ISM10405P |
| For trunking 185x55 | Polar white | 240/82/22 | 1 | 3606480681882 | ISM10505P |
| **Joint cover piece, kit** | | | | | |
| Joint cover piece, supplied and mounted together with two jointing pieces. Intended to cover joints between two PVC trunking sections. Easy to remove in case of an upgrading of the installation. Material: PC/ABS. | | | | | |
| For trunking 75x55 | Polar white | 80/57/100 | 1 | 3606480681554 | ISM10106P |
| For trunking 95x55 | Polar white | 100/57/100 | 1 | 3606480681646 | ISM10206P |
| For trunking 140x55 | Polar white | 145/57/100 | 1 | 3606480681738 | ISM10306P |
| For trunking 165x55 | Polar white | 170/57/100 | 1 | 3606480681820 | ISM10406P |
| For trunking 185x55 | Polar white | 190/57/100 | 1 | 3606480681899 | ISM10506P |

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# OptiLine 45 Trunking
## Range

## Accessories for PVC trunking

| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|
| **T-piece** | | | | | |
| T-piece intended to connect vertical and horizontal PVC trunking of various sizes. Material: PC/ABS. | | | | | |
| For vertical trunking 75x55 and horizontal trunking 75x55 | Polar white | 42/57/97 | 1 | 3606480681561 | ISM10107P |
| For vertical trunking 75x55 and horizontal trunking 95x55, 140x55, 165x55 or 185x55 | Polar white | 52/57/97 | 1 | 3606480681653 | ISM10207P |
| For vertical trunking 95x55 and horizontal trunking 95x55, 140x55, 165x55 or 185x55 | Polar white | 52/57/117 | 1 | 3606480681660 | ISM10208P |
| For vertical trunking 140x55 and horizontal trunking 140x55,165x55 or 185x55 | Polar white | 52/57/162 | 1 | 3606480681745 | ISM10308P |
| **Front cover** | | | | | |
| Front cover to be snap-fitted in trunking with a 45 mm front opening. Supplied with protective foil, in lengths of 2 m. Material: PVC or aluminium. | | | | | |
| Front cover, PVC | Polar white | 45/16/2000 | 24 m | 3606480681905 | ISM10900P |
| Front cover, aluminium, with earthing slots | Anodized | 45/16/2000 | 24 m | 3606480028489 | ISM10950 |
| **Cable retainer** | | | | | |
| Cable retainer to be mounted at the back of the trunking base to keep cables in place during the installation phase. No need to remove the retainer when fitting the front cover. Package of five. Material: PA. | | | | | |
| Cable retainer | Green | 32/42/25 | 5 | 3606480028403 | ISM10901 |
| **Cable shelf** | | | | | |
| Single cable shelf to be mounted in the trunking base, providing separation between power and low voltage cables. Supplied in lengths of 1 m. Material: PVC. | | | | | |
| Cable shelf | White | 17/47/1000 | 24 m | 3606480028410 | ISM10902 |
| **Joint cover piece for front cover** | | | | | |
| Joint cover piece intended to cover joints between two front covers. Package of five. Material: PC/ABS. | | | | | |
| Joint cover piece for PVC front cover | Polar white | 47/20/23 | 5 | 3606480681929 | ISM10903P |
| Joint cover piece for aluminium front cover | Alu metallic | 47/20/23 | 5 | 3606480028496 | ISM10951 |
| **Jointing piece** | | | | | |
| Internal jointing piece intended to facilitate jointing of two PVC trunking bases. May also be used to mount the joint cover piece. Package of ten. Material: PC/ABS. | | | | | |
| Jointing piece | White | 4/51/100 | 10 | 3606480028441 | ISM10904 |
| **Sealing strip** | | | | | |
| Sealing strip to be fitted between trunking and floor for a 10-15 mm coverage. Material: PVC. | | | | | |
| Sealing strip | Polar white | 17/40/2000 | 24 m | 3606480681943 | ISM10905P |

Side reference codes: P85783, P85785, P85786, P85787, P85788, P85789, P89053, P85790, P85791

# OptiLine 45 Trunking
## Range

## Accessories for PVC trunking

| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|---|
| | **Front locking clip** | | | | | |
| | Front locking clip to be mounted on either side of an outlet in order to secure pull-out forces. Package of ten. Material: PC/ABS. | | | | | |
| P85792 | Front locking clip | Polar white | 45/23/23 | 10 | 3606489604141 | ISM10909P |
| | **Modular device adaptor** | | | | | |
| | 2-module adaptor for 1-2 modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC+ASA. | | | | | |
| P85793 | Modular device adaptor | Polar white | 90/72/45 | 1 | 3606480681950 | ISM10907P |
| | **Cutting shears** | | | | | |
| | Cutting shears for PVC material. To be used when for instance cutting slots in the partition walls of PVC trunking (sizes 140 and 185) for easy cable laying between compartments. Also suitable when cutting front covers, cable shelves or other PVC length material, instead of using a saw. Material: Steel. | | | | | |
| P91380 | Cutting shears | Orange | 230/22/80 | 1 | 3606480028472 | ISM10908 |
| | **Label holder** | | | | | |
| | Label holder for marking purposes. Package of ten. Material: PC/ABS. | | | | | |
| P148190 P148191 | Label holder | White | 23/23/45 | 10 | 3606489843021 | ISM10920P |
| | | Anthracite | 23/23/45 | 10 | 3606489843038 | ISM10921 |
| P148192 P148189 | | Alu metalic | 23/23/45 | 10 | 3606489843045 | ISM10922 |
| | | Red | 23/23/45 | 10 | 3606490159319 | ISM10923 |

# OptiLine 45 Trunking
## Range

## Aluminium trunking

| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|---|
| | **Installation trunking** | | | | | |

Installation trunking including one, two or three-compartment trunking base and front cover(s). The trunking base has pre-punched mounting holes every 25th cm and can be provided with cable shelves. 45 mm front opening for direct click-in of Unica 45x45 module wiring devices.
Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m.
Material: Aluminium.

| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|---|
| P85773 | With one compartment | Anodized | 75/55/2000 | 12 m | 3606480027789 | ISM10150 |
| P111545 | With one compartment | Anodized | 95/55/2000 | 12 m | 3606485137728 | ISM10250 |
| P85774 | With two compartments | Anodized | 140/55/2000 | 6 m | 3606480028021 | ISM10350 |
| P85775 | With two compartments, the lower comp. for VDI appl. | Anodized | 165/55/2000 | 6 m | 3606480028182 | ISM10450 |
| P85776 | With three compartments | Anodized | 185/55/2000 | 6 m | 3606480028328 | ISM10550 |
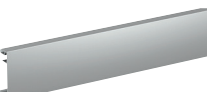
## Accessories for aluminium trunking

### Internal corner

Adjustable internal corner for an 80–100 degree angling of aluminium trunking.
Material: PC/ABS, painted.

| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|---|
| P85797 | For trunking 75x55 | Alu metallic | 84/117/117 | 1 | 3606480027796 | ISM10151 |
| | For trunking 95x55 | Alu metallic | 104/117/117 | 1 | 3606485137735 | ISM10251 |
| | For trunking 140x55 | Alu metallic | 149/117/117 | 1 | 3606480028038 | ISM10351 |
| | For trunking 165x55 | Alu metallic | 174/117/117 | 1 | 3606480028199 | ISM10451 |
| | For trunking 185x55 | Alu metallic | 194/117/117 | 1 | 3606480028335 | ISM10551 |

### External corner

Adjustable external corner for a 75–135 degree angling of aluminium trunking.
Material: PC/ABS, painted.

| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|---|
| P85798 | For trunking 75x55 | Alu metallic | 84/105/105 | 1 | 3606480027802 | ISM10152 |
| | For trunking 95x55 | Alu metallic | 104/105/105 | 1 | 3606485137742 | ISM10252 |
| | For trunking 140x55 | Alu metallic | 149/105/105 | 1 | 3606480028045 | ISM10352 |
| | For trunking 165x55 | Alu metallic | 174/105/105 | 1 | 3606480028205 | ISM10452 |
| | For trunking 185x55 | Alu metallic | 194/105/105 | 1 | 3606480028342 | ISM10552 |

### Bend, 90°, kit

90 degree bend kit for angling upwards and downwards of aluminium trunking. Including bend piece and fixing device to be screw-fitted to the wall.
Material: PC/ABS, painted.

| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|---|
| P85799 | For trunking 75x55 | Alu metallic | 102/57/102 | 1 | 3606480027819 | ISM10153 |
| | For trunking 95x55 | Alu metallic | 122/57/122 | 1 | 3606485137759 | ISM10253 |
| | For trunking 140x55 | Alu metallic | 167/57/167 | 1 | 3606480028052 | ISM10353 |
| | For trunking 165x55 only upwards angling | Alu metallic | 192/57/192 | 1 | 3606480028212 | ISM10453 |
| | For trunking 185x55 | Alu metallic | 212/57/212 | 1 | 3606480028359 | ISM10553 |

# OptiLine 45 Trunking
## Range

## Accessories for aluminium trunking

| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|---|
| | **Stop end** | | | | | |
| | Stop end for aluminium trunking. Including screw and nut to fix the stop end in the trunking base. Material: PC/ABS, painted. | | | | | |
| P85800 | For trunking 75x55 | Alu metallic | 79/56/21 | 2 | 3606480027826 | ISM10154 |
| | For trunking 95x55 | Alu metallic | 99/56/21 | 2 | 3606480028823 | ISM11254 |
| | For trunking 140x55 | Alu metallic | 144/56/21 | 2 | 3606480028069 | ISM10354 |
| | For trunking 165x55 | Alu metallic | 169/56/21 | 2 | 3606480028229 | ISM10454 |
| | For trunking 185x55 | Alu metallic | 189/56/21 | 2 | 3606480028366 | ISM10554 |
| | **Wall/Ceiling frame** | | | | | |
| | Wall/Ceiling frame to be fitted around an aluminium trunking at wall or ceiling passage. Easily modified to C or L-profile depending on how the passage is made. Snap-fitted, with a screw-fixing option for high security. Material: PC/ABS, painted. | | | | | |
| P85801 | For trunking 75x55 | Alu metallic | 130/82/22 | 1 | 3606480027833 | ISM10155 |
| | For trunking 95x55 | Alu metallic | 150/82/22 | 1 | 3606485137766 | ISM10255 |
| | For trunking 140x55 | Alu metallic | 195/82/22 | 1 | 3606480028076 | ISM10355 |
| | For trunking 165x55 | Alu metallic | 220/82/22 | 1 | 3606480028236 | ISM10455 |
| | For trunking 185x55 | Alu metallic | 240/82/22 | 1 | 3606480028373 | ISM10555 |
| | **Joint cover piece, kit** | | | | | |
| | Joint cover piece, supplied and mounted together with two jointing pieces. Intended to cover joints between two aluminium trunking sections. Easy to remove in case of an upgrading of the installation. Material: PC/ABS, painted. | | | | | |
| P85802 | For trunking 75x55 | Alu metallic | 80/57/100 | 1 | 3606480027840 | ISM10156 |
| | For trunking 95x55 | Alu metallic | 100/57/100 | 1 | 3606485137773 | ISM10256 |
| | For trunking 140x55 | Alu metallic | 145/57/100 | 1 | 3606480028083 | ISM10356 |
| | For trunking 165x55 | Alu metallic | 170/57/100 | 1 | 3606480028243 | ISM10456 |
| | For trunking 185x55 | Alu metallic | 190/57/100 | 1 | 3606480028380 | ISM10556 |
| | **T-piece** | | | | | |
| | T-piece intended to connect vertical and horizontal aluminium trunking of various sizes. Material: PC/ABS, painted. | | | | | |
| P85804 | For vertical trunking 75x55 and horizontal trunking 75x55 | Alu metallic | 42/57/97 | 1 | 3606480027857 | ISM10157 |
| | For vertical trunking 75x55 and horizontal trunking 95x55, 140x55, 165x55 or 185x55 | Alu metallic | 52/57/97 | 1 | 3606480028090 | ISM10357 |
| | For vertical trunking 95x55 and horizontal trunking 95x55, 140x55, 165x55 or 185x55 | Alu metallic | 52/57/117 | 1 | 3606480160561 | ISM10258 |
| | For vertical trunking 140x55 and horizontal trunking 140x55,165x55 or 185x55 | Alu metallic | 52/57/162 | 1 | 3606480028106 | ISM10358 |
| | **Front cover** | | | | | |
| | Front cover to be snap-fitted in trunking with a 45 mm front opening. With earthing slots. Supplied with protective foil, in lengths of 2 m. Material: Aluminium. | | | | | |
| P85786 | Front cover | Anodized | 45/16/2000 | 24 m | 3606480028489 | ISM10950 |
| | **Cable retainer** | | | | | |
| | Cable retainer to be mounted at the back of the trunking base to keep cables in place during the installation phase. No need to remove the retainer when fitting the front cover. Package of five. Material: PA. | | | | | |
| P85787 | Cable retainer | Green | 32/42/25 | 5 | 3606480028403 | ISM10901 |
| | **Cable shelf** | | | | | |
| | Single cable shelf to be mounted in the trunking base, providing separation between power and low voltage cables. Supplied in lengths of 1 m. Material: PVC. | | | | | |
| P85788 | Cable shelf | White RAL 9010 | 17/47/1000 | 24 m | 3606480028410 | ISM10902 |

Schneider Electric

# OptiLine 45 Trunking
## Range

## Accessories for aluminium trunking

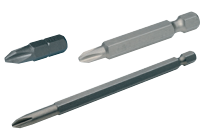| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|---|
| | **Joint cover piece for front cover** | | | | | |
| P89053 | Joint cover piece intended to cover joints between two aluminium front covers. Package of five. Material: PC/ABS, painted. | | | | | |
| | Joint cover piece | Alu metallic | 46/20/23 | 5 | 3606480028496 | ISM10951 |
| | **Jointing piece** | | | | | |
| P85790 | Internal jointing piece intended to facilitate jointing of two aluminium trunking bases. May also be used to mount the joint cover piece. Package of ten. Material: PC/ABS. | | | | | |
| | Jointing piece | White | 4/51/100 | 10 | 3606480028441 | ISM10904 |
| | **Jointing/earthing piece** | | | | | |
| P85794 | Internal jointing and earthing piece, intended for jointing and earthing of two aluminium trunking bases. Including two screws. Material: Zinc. | | | | | |
| | Jointing/earthing piece | Untreated | 4/6/26 | 10 | 3606480028533 | ISM10955 |
| | **Sealing strip** | | | | | |
| P85791 | Sealing strip to be fitted between trunking and floor for a 10-15 mm coverage. Material: PVC. | | | | | |
| | Sealing strip | Polar white | 17/40/2000 | 24 m | 3606480681943 | ISM10905P |
| | **Modular device adaptor** | | | | | |
| P87195 | 2-module adaptor for 1-2 modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC+ASA. | | | | | |
| | Modular device adaptor | Alu metallic | 90/72/45 | 1 | 3606480028540 | ISM10957 |
| | **Earthing clamp** | | | | | |
| P87196 | Earthing clamp to be used for bonding of front cover, trunking base and accessories to earth. Package of ten. Material: Steel. | | | | | |
| | Earthing clamp | — | 9/9/9 | 20 | 3606480028502 | ISM10952 |
| | **Earthing kit** | | | | | |
| P85796 | Kit including earth wire with flat pin connectors and earthing clamps. To be used to connect the front cover to the base profile or the base profile to another base profile. | | | | | |
| | Earthing kit | Yellow/green | L = 200 | 10 | 3606480028519 | ISM10953 |
| | | | L = 300 | 10 | 3606480028526 | ISM10954 |
| | **Front locking clip** | | | | | |
| P85792 | Front locking clip to be mounted on either side of an outlet in order to secure pull-out forces. Package of ten. Material: PC/ABS. | | | | | |
| | Front locking clip | Polar white | 45/23/23 | 10 | 3606489604141 | ISM10909P |
| | **Label holder** | | | | | |
| P148190 P148191 | Label holder for marking purposes. Package of ten. Material: PC/ABS. | | | | | |
| | Label holder | White | 23/23/45 | 10 | 3606489843021 | ISM10920P |
| P148192 P148189 | | Anthracite | 23/23/45 | 10 | 3606489843038 | ISM10921 |
| | | Alu metalic | 23/23/45 | 10 | 3606489843045 | ISM10922 |
| | | Red | 23/23/45 | 10 | 3606490159319 | ISM10923 |

# OptiLine 45 Trunking
## Range

## Fixing products

| Type | Colour | Dimensions (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|
| **Wall plugs** | | | | | |
| Wall plug on sprue plate, suitable for use in concrete, stone, lightweight concrete, expanded clay, hollow bricks, solid bricks and plasterboard. Material: PE-HD. | | | | | |
| TP 2 | Red | Ø5.5x35 | 100 | 7315881003006 | 1003003 |
| TP 2B | Brown | Ø8x40 | 100 | 7315881005000 | 1005008 |
| TP 3 | Blue | Ø10x45 | 10 | 3606480621369 | IMT48002 |
| Same as above but single. Material: PE-HD. | | | | | |
| TP 6 | Red | Ø6x30 | 100 | 7315881003020 | 1003020 |
| **Nail plugs** | | | | | |
| Nail plug including nail for through installation. Suitable for use in concrete, stone, lightweight concrete, expanded clay, hollow bricks, solid bricks and plasterboard. Material: PA. | | | | | |
| TPS-6/5x35 | Clear | Drill Ø6 | 100 | 7315881150007 | 1150002 |
| TPS-6/20x50 | Clear | Drill Ø6 | 100 | 7315880100027 | 1150051 |
| **Installation screws** | | | | | |
| Screw with large thin head and integrated washer. Phillips cross recess. Twin thread. Fully threaded. Gives very good pressure when fixing plastic trunking. Material: Hardened steel, electroplated. | | | | | |
| TSC-32 | — | Ø4.2x25 | 100 | 7315883782022 | 3782020 |
| TSC-33 | — | Ø4.2x31 | 100 | 7315883782039 | 3782030 |
| Screw with raised countersunk head, Phillips cross recess. Fully threaded. Suitable for mounting directly into plasterboard. Material: Steel, electroplated. | | | | | |
| TSF-25 | — | Ø4.8x25 | 100 | 7315883782428 | 3782420 |
| TSF-35 | — | Ø4.8x35 | 100 | 7315883782435 | 3782430 |
| TSF-45 | — | Ø4.8x45 | 100 | 7315883782442 | 3782440 |
| **Installation screw with cup washer** | | | | | |
| Screw with cross-slotted head type PH2. Sharp point, fully threaded. High pitch for quick mounting. Provided with a cup washer for screw-head protection. To be used when installing single-insulated wire in the trunking. Material: Hardened steel, electroplated, and PP. | | | | | |
| TFT-IS5x32 | — | Ø5x32 | 100 | 7332418018203 | 4020210 |

P1339
P89050
P89051
P89052
P81315
P99119

## Fixing products

| Type | Colour | Dimensions (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|
| **Cavity fixings** | | | | | |
| Cavity fixing with metal toggle for high load values. Material: Zinc/Steel. | | | | | |
| TPP-10xM4S | — | Drill Ø10 | 25 | 7315881200009 | 1200005 |
| TPP-13xM5S | — | Drill Ø13 | 25 | 7315881200405 | 1200401 |
| Cavity fixing for light installations in plasterboard. Board thickness from 9 mm. Screw size 4.5x35. Material: Zinc. | | | | | |
| TPD-Metal | — | Screw size 4.5x35 | 100 | 7315880114291 | 1220104 |
| Cavity fixing including a 38 mm long screw. The shape of THW prevents it from rotating. No pre-drilling needed, just hammer in. Excellent for porous and thin material. Pull-out load 100 N, safety factor 3, shear load 100N, safety factor 2.5. Board thickness 6-13 mm, max. thickness of fixture 16 mm. Material: Steel, electroplated. | | | | | |
| THW 4.2x38 | — | — | 50 | 7315881260171 | 1260170 |
| **Screw bits** | | | | | |
| 1/4 hexagon drive end, various lengths (25, 50 or 110 mm, see below). Adapted to the Thorsman range of installation screws with Phillips cross recess. Material: Hardened steel. | | | | | |
| PH 2x25 | — | 1/4"x25 | 2 | 7315881772056 | 1772054 |
| PH 2x25 Reduced | — | 1/4"x25 | 2 | 7315880056294 | 1772052 |
| PH 2x50 | — | 1/4"x50 | 2 | 7315880055273 | 1772056 |
| PH 2x110 | — | 1/4"x110 | 2 | 7315880055297 | 1772058 |

# OptiLine 45 Trunking
## Technical description

## Design and dimensions

**One compartment, symmetrical**

P87142

55
38
75    45
32

**One compartment, symmetrical**

P87143

55
48
95    45
42

**Two compartments, symmetrical**

P87144

55
46
45
140   19
23    45
42

**Two compartments, non-symmetrical**

P87145

55
38
45
26
165
38
45
54

**Three compartments, symmetrical**

P87146

55
46
45
19
185   23    45
18
23    45
42

## Technical and Material data

| | | |
|---|---|---|
| PVC (self-extinguishing, lead and cadmium-free) | Fire rating | UL 94 V0 (0.8 mm) |
| | Colour | Polar white (RAL 9003) |
| Aluminium | Surface treatment | Natural anodizing |
| PC/ABS | Fire rating | UL 94 HB |
| | Colours | • Polar white (RAL 9003)<br>• Aluminium metallic (painted) |
| PA (polyamide), halogen-free | Fire rating | UL 94 V0 |
| | Colours | • Green<br>• Clear |
| PC+ASA | Fire rating | UL 94 HB |
| | Colours | • Polar white (RAL 9003)<br>• Aluminium metallic |
| PE (polyethylene), halogen-frees | Fire rating | UL 94 HB |
| | Colours | • Red<br>• Brown<br>• Black |
| Degree of protection | IP40 | |
| Temperature range | Operating temperature from -25°C to +60°C | |
| Resistance to impact | PVC trunking | 2J (IK07) |
| | PC/ABS accessories | 2J (IK07) |
| Standards and certificates | The products comply with the standards:<br>• EN 50085-1:2005<br>• pr EN 50085-2-1:2002<br>• NFC 68 102:1990 (French national standard) | |
| | The products satisfy the provisions for CE marking according to the Low Volage Directive 73/23/EEC and 93/68/EEC. | |

## Exploded view

P917Z0



1. Trunking base
2. Front cover
3. Internal corner
4. External corner
5. Bend, 90°, including wall fixing
6. Stop end
7. Wall/Ceiling frame
8. Joint cover piece
9. T-piece
10. Cable retainer
11. Cable shelf
12. Joint cover piece for front cover
13. Jointing pieces
14. Sealing strip
15. Front locking clip
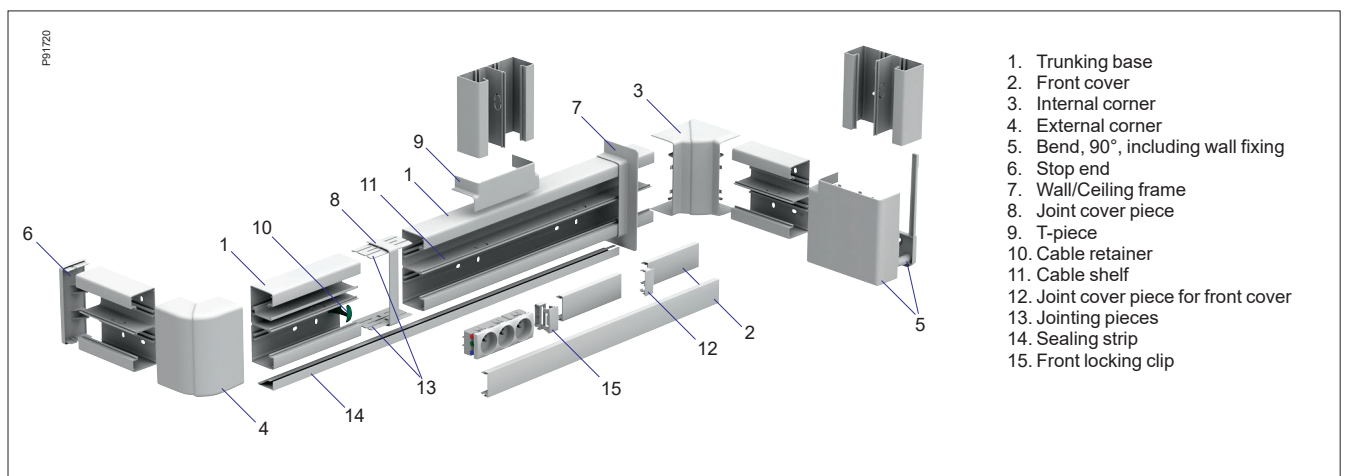
# OptiLine 45 Poles
## Presentation



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

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

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

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



**One-sided poles**
Free-standing

| | |
|---|---|
| P86536 | P87200 |
| Alu | White |

**Two-sided poles**
Free-standing

| | |
|---|---|
| P86535 | P87201 |
| Alu | White |

**With boxes**
Free-standing

| | |
|---|---|
| P117513 | P117514 |
| Alu | White |

Tension-mounted

| | |
|---|---|
| P86538 | P87198 |
| Alu | White |

Tension-mounted

| | |
|---|---|
| P86537 | P87199 |
| Alu | White |

Tension-mounted
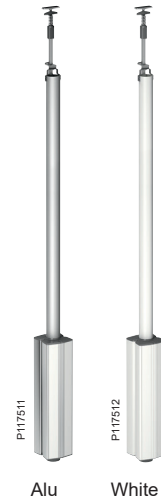
| | |
|---|---|
| P117511 | P117512 |
| Alu | White |



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

Unica offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats, timers.
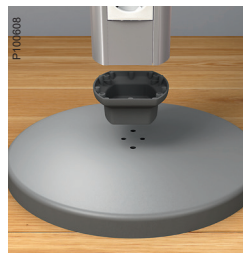
# OptiLine 45 Poles
## Presentation
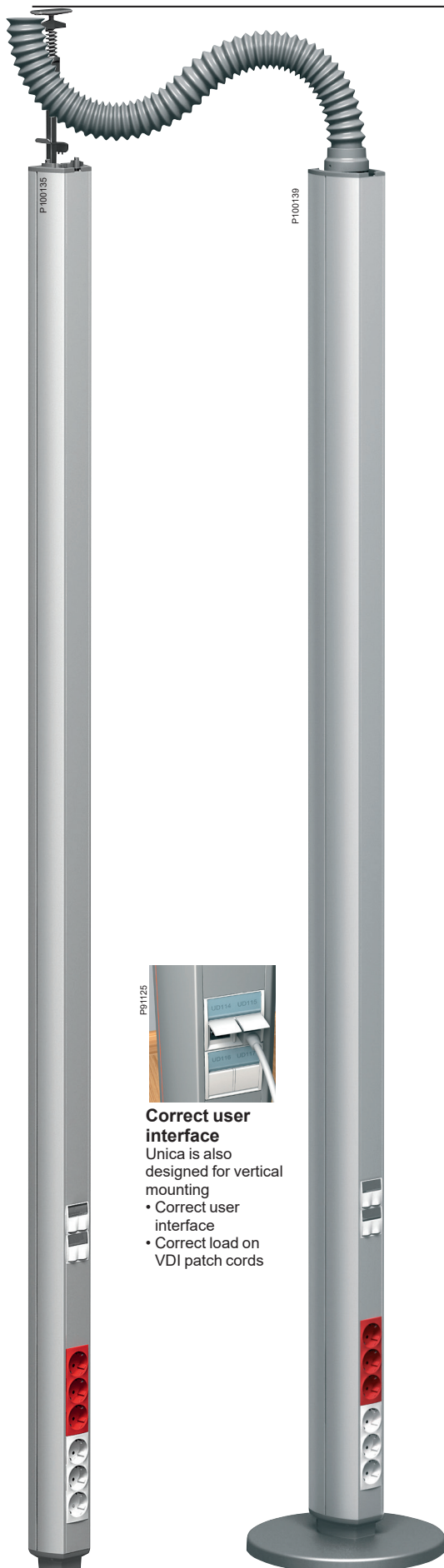
### Design, finish and quality
All OptiLine poles are made of aluminium, anodized or powder coated, with a high surface finish. The form is softly rounded and slendered. All parts are designed to give reliable function and easy installation.
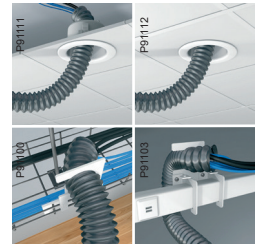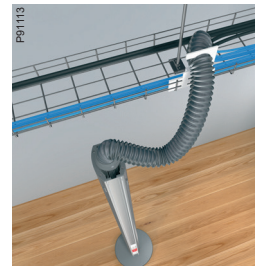
### Many mounting options
Accessories for all mounting options. The ceiling frame for the flexible conduit is mounted without a tool and can be adjusted to different ceiling thicknesses.

### Correct user interface
Unica is also designed for vertical mounting
• Correct user interface
• Correct load on VDI patch cords

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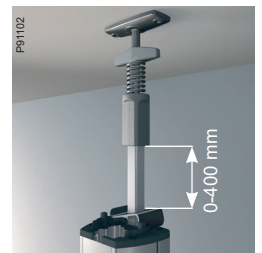All parts in aluminium, several are die-cast. Foot in sand-cast iron.
• Stable and sturdy design
• Reliable function
• High-quality impression.

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

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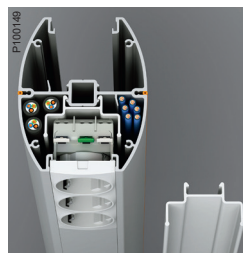Fitted easily without tools. Self-locking adjustment.
• Quick and safe installation
• 400 mm working range
• Mechanism outside the pole – does not interfere with the wiring devices.

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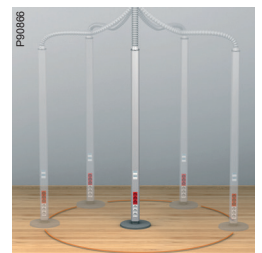Partition profile for good separation of cables.
• Correct distance between VDI and power cables
• Full isolation between terminations and cables.

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

### Flexibility
The movable pole has a steady foot and a flexible conduit.
• Easy to move the poles to optimize the office layout
• 1.5 m action radius.
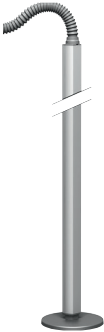
### Smooth stop-end
Stop end in cast aluminium with smoothly shaped edges.
• Covers the sharp cut of the base profile
• No risk of damaged cables.

Quantity per pack: 1

| | | | Ceiling frame one-sided | Ceiling frame two-sided | Cable tray fixing | |
|---|---|---|---|---|---|---|
| **Tension-mounted** | **Height mm** | **Anodized aluminium** | **Polar white** | | | |
| **One-sided** | 2700-3100<br>3100-3500<br>3500-3900<br>3900-4300 | ISM20100<br>ISM20102<br>ISM20104<br>ISM20120 | ISM20101P<br>ISM20103P<br>ISM20105P<br>ISM20121P | ISM20810P | | ISM20814 |
| **Two-sided** | 2700-3100<br>3100-3500<br>3500-3900<br>3900-4300 | ISM20106<br>ISM20108<br>ISM20110<br>ISM20122 | ISM20107P<br>ISM20109P<br>ISM20111P<br>ISM20123P | | ISM20811P | ISM20814 |
| **Tension-mounted with installation boxes** | **Height mm** | **Anodized aluminium** | **Polar white** | | | |
| | 2700-3100<br>3100-3500<br>3500-3900 | ISM20140<br>ISM20142<br>ISM20144 | SM20141P<br>ISM20143P<br>ISM20145P | ISM20552P | | ISM20554 |
| **Free-standing** | **Height mm** | **Anodized aluminium** | **Polar white** | | | |
| **One-sided** | 2150<br>2450<br>2900 | ISM20130<br>ISM20112<br>ISM20114 | ISM20131P<br>ISM20113P<br>ISM20115P | | | |
| **Two-sided** | 2150<br>2450<br>2900 | ISM20132<br>ISM20116<br>ISM20118 | ISM20133P<br>ISM20117P<br>ISM20119P | | | |
| **Free-standing with installation boxes** | **Height mm** | **Anodized aluminium** | **Polar white** | | | |
| | 2150<br>2450<br>2900 | ISM20146<br>ISM20148<br>ISM20150 | ISM20147P<br>ISM20149P<br>ISM20151P | | | |

Schneider Electric

| Foot, round | Foot, rectangular | Ceiling frame | Ceiling fixing | Busbar fixing | Cable tray fixing |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| ISM20808 | ISM20809 | ISM20812P | ISM20816 | ISM20815 | ISM20813 |
| ISM20808 | ISM20809 | ISM20812P | ISM20816 | ISM20815 | ISM20813 |
| ISM20808 | ISM20809 | ISM20812P | ISM20816 | ISM20815 | ISM20813 |

# OptiLine 45 Poles
## Range

## Poles, empty

| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|
| **Pole, tension-mounted** | | | | | |
| Empty 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 Unica 45x45 module wiring devices. Material: Aluminium, natural anodized or powder coated white. | | | | | |
| One-sided, 2.7-3.1 m | Anodized / Polar white | 3100/68/89 | 1 | 3606480029561 / 3606480681974 | ISM20100 / ISM20101P |
| One-sided, 3.1-3.5 m | Anodized / Polar white | 3500/68/89 | 1 | 3606480029585 / 3606480681981 | ISM20102 / ISM20103P |
| One-sided, 3.5-3.9 m | Anodized / Polar white | 3900/68/89 | 1 | 3606480029608 / 3606480681998 | ISM20104 / ISM20105P |
| One-sided, 3.9-4.3 m | Anodized / Polar white | 4300/68/89 | 1 | 3606480317262 / 3606480682070 | ISM20120 / ISM20121P |
| Two-sided, 2.7-3.1 m | Anodized / Polar white | 3100/116/90 | 1 | 3606480029622 / 3606480682001 | ISM20106 / ISM20107P |
| Two-sided, 3.1-3.5 m | Anodized / Polar white | 3500/116/90 | 1 | 3606480029646 / 3606480682018 | ISM20108 / ISM20109P |
| Two-sided, 3.5-3.9 m | Anodized / Polar white | 3900/116/90 | 1 | 3606480029660 / 3606480682025 | ISM20110 / ISM20111P |
| Two-sided, 3.9-4.3 m | Anodized / Polar white | 4300/116/90 | 1 | 3606480317286 / 3606480682087 | ISM20122 / ISM20123P |
| **Pole, tension-mounted, with installation boxes** | | | | | |
| Empty 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 Unica 45x45 module wiring devices. Material: Aluminium, natural anodized or powder coated white. | | | | | |
| 2.7-3.1 m | Anodized / Polar white | 2700-3100/149/140 | 1 | 3606480317347 / 3606480682117 | ISM20140 / ISM20141P |
| 3.1-3.5 m | Anodized / Polar white | 3100-3500/149/140 | 1 | 3606480317361 / 3606480682124 | ISM20142 / ISM20143P |
| 3.5-3.9 m | Anodized / Polar white | 3500-3900/149/140 | 1 | 3606480317385 / 3606480682131 | ISM20144 / ISM20145P |
| **Pole, free-standing** | | | | | |
| Empty, free-standing and movable 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 Unica 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. | | | | | |
| One-sided, 2.15 m | Anodized / Polar white | 2150+2000/68/89 | 1 | 3606480317309 / 3606480682094 | ISM20130 / ISM20131P |
| One-sided, 2.45 m | Anodized / Polar white | 2450+2000/68/89 | 1 | 3606480029684 / 3606480682032 | ISM20112 / ISM20113P |
| One-sided, 2.9 m | Anodized / Polar white | 2900+2000/68/89 | 1 | 3606480029707 / 3606480682049 | ISM20114 / ISM20115P |
| Two-sided, 2.15 m | Anodized / Polar white | 2150+2000/116/90 | 1 | 3606480317323 / 3606480682100 | ISM20132 / ISM20133P |
| Two-sided, 2.45 m | Anodized / Polar white | 2450+2000/116/90 | 1 | 3606480029721 / 3606480682056 | ISM20116 / ISM20117P |
| Two-sided, 2.9 m | Anodized / Polar white | 2900+2000/116/90 | 1 | 3606480029745 / 3606480682063 | ISM20118 / ISM20119P |

# OptiLine 45 Poles
## Range

## Poles, empty



| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|------|--------|----------------------|-----------------|----------|----------|
| **Pole, free-standing, with installation boxes** | | | | | |
| Empty, free-standing and movable 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 Unica 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. | | | | | |
| 2.15 m | Anodized Polar white | 2150+2000/149/140 | 1 | 3606480317408 3606480682148 | ISM20146 ISM20147P |
| 2.45 m | Anodized Polar white | 2450+2000/149/140 | 1 | 3606480317422 3606480682155 | ISM20148 ISM20149P |
| 2.9 m | Anodized Polar white | 2900+2000/149/140 | 1 | 3606480317446 3606480682162 | ISM20150 ISM20151P |

## Pre-wired Poles

### One-sided Pole



Free-standing and movable service pole, one-sided. Pre-wired, configured with 3 x double outlets, side-earthed, with cable, and 2 x Cat 6 UTP with cable. Including front cover, flexible conduit with adaptor, strain relief and mounting instruction. Length of flexible conduit 2.0 m, action radius 1.5 m from the connection point in the ceiling. Earthed. Foot to be ordered separately. External cables: one unshielded 3 x 1.5 mm² cable with side-earthed plug, 2.0 m free length, and two Cat 6 UTP data cables with RJ45 plugs, 6.0 m free length.

| | | | | | |
|------|--------|--------|-----------------|----|----------|
| One-sided Pole 2 x Cat 6 UTP | White | Aluminum | 2150+2000/68/89 | 1 | ISM22204 |
| | Anodized | Aluminum | 2150+2000/68/89 | 1 | ISM22205 |

Free-standing and movable service pole, one-sided. Pre-wired, configured with 3 x double outlets, side-earthed, with cable, and 2 x Cat 6A S/FTP with cable. Including front cover, flexible conduit with adaptor, strain relief and mounting instruction. Length of flexible conduit 2.0 m, action radius 1.5 m from the connection point in the ceiling. Earthed. Foot to be ordered separately. External cables: one unshielded 3 x 1.5 mm² cable with side-earthed plug, 2.0 m free length, and two Cat 6A S/FTP data cables with RJ45 plugs, 6.0 m free length.

| | | | | | |
|------|--------|--------|-----------------|----|----------|
| One-sided Pole 2 x Cat 6A S/FTP | White | Aluminum | 2150+2000/68/89 | 1 | ISM22206 |
| | Anodized | Aluminum | 2150+2000/68/89 | 1 | ISM22207 |

### Two-sided Pole



Free-standing and movable service pole, two-sided. Pre-wired, each side configured with 3 x double outlets, side-earthed, with cable, and 2 x Cat 6 UTP with cable. Including front cover, flexible conduit with adaptor, strain relief and mounting instruction. Length of flexible conduit 2.0 m, action radius 1.5 m from the connection point in the ceiling. Earthed. Foot to be ordered separately. External cables: one unshielded 3 x 1.5 mm² cable with side-earthed plug, 2.0 m free length, and four Cat 6 UTP data cables with RJ45 plugs, 6.0 m free length.

| | | | | | |
|------|--------|--------|------------------|----|----------|
| Two-sided Pole 2 x Cat 6 UTP | White | Aluminum | 2150+2000/116/90 | 1 | ISM22208 |
| | Anodized | Aluminum | 2150+2000/116/90 | 1 | ISM22209 |

Free-standing and movable service pole, two-sided. Pre-wired, each side configured with 3 x double outlets, side-earthed, with cable, and 2 x Cat 6A S/FTP with cable. Including front 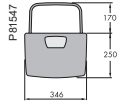cover, flexible conduit with adaptor, strain relief and mounting instruction. Length of flexible conduit 2.0 m, action radius 1.5 m from the connection point in the ceiling. Earthed. Foot to be ordered separately. External cables: one unshielded 3 x 1.5 mm² cable with side-earthed plug, 2.0 m free length, and four Cat 6A S/FTP data cables with RJ45 plugs, 6.0 m free length.

| | | | | | |
|------|--------|--------|------------------|----|----------|
| Two-sided Pole 2 x Cat 6A S/FTP | White | Aluminum | 2150+2000/116/90 | 1 | ISM22210 |
| | Anodized | Aluminum | 2150+2000/116/90 | 1 | ISM22211 |

# OptiLine 45 Poles
## Range

## Accessories for poles

### Foot for free-standing, movable pole

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.

| | | | | | |
|---|---|---|---|---|---|
| Foot, rectangular | Grey | 33/250/346 | 1 | 3606480030598 | 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.

| | | | | | |
|---|---|---|---|---|---|
| Foot, round | Grey | 29/Ø317 | 1 | 3606480030581 | ISM20808 |

### 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 | Polar white | 89/Ø161 | 1 | 3606480682216 | ISM20812P |

### 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 pole | Polar white | 1/108/129 | 1 | 3606480682193 | ISM20810P |
| Ceiling frame for 2-sided pole | Polar white | 1/156/130 | 1 | 3606480682209 | ISM20811P |
| Ceiling frame for Ø65 mm pole | Polar white | 1/Ø115 | 1 | 3606480682902 | ISM20552P |

### 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 | 100/15/70 | 1 | 3606480030635 | 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 = 10 mm.
Material: Aluminium, powder coated.

| | | | | | |
|---|---|---|---|---|---|
| Cable tray fixing | White | 75/50/120 | 1 | 3606480030642 | ISM20814 |

### Ceiling fixing

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

| | | | | | |
|---|---|---|---|---|---|
| Ceiling fixing | White | 50/156/90 | 1 | 3606480030666 | ISM20816 |

### Busbar fixing

Busbar fixing for Ø55 mm conduits, intended to connect flexible conduit to busbar trunking.
Material: Steel, powder coated.

| | | | | | |
|---|---|---|---|---|---|
| Busbar fixing | White | 105/90/70 | 1 | 3606480030659 | 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 | 1 | 3606480567438 | ISM20828 |

## Accessories for service poles

| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|------|--------|-----------------------|-----------------|----------|----------|
| **Wall bracket** | | | | | |
| Upper wall bracket for poles with one or two boxes. Screws for fixing the pole are included. Material: Steel, powder coated white RAL 9010 or grey. | | | | | |
| Upper wall bracket | White | 38/51/57 | 1 | 3606481213846 | INS40480 |
| Upper wall bracket | Grey | 38/51/57 | 1 | 3606481218957 | INS40483 |
| **Wall bracket** | | | | | |
| Upper wall bracket for one-sided poles. Screws for fixing the pole are included. Material: Steel, powder coated white RAL 9010 or grey | | | | | |
| Upper wall bracket for one-sided pole | White | 38/42/94 | 1 | 3606481213853 | INS40481 |
| Upper wall bracket for one-sided pole | Grey | 38/42/94 | 1 | 3606481218964 | INS40484 |
| Upper wall bracket for one-sided poles. The pole will be positioned 25 mm from the wall to avoid interference with false ceiling frames. Screws for fixing the pole are included. To be used together with lower wall bracket INS40486. Material: Steel, powder coated. | | | | | |
| Upper wall bracket for Optiline 45 and 50 poles | White | 38/56/94 | 1 | 3606489938505 | INS40485 |
| **Lower wall/floor bracket** | | | | | |
| Lower wall/floor bracket for Optiline 50 poles. For one-sided poles and poles with one or two boxes. Material: Steel, powder coated grey. | | | | | |
| Lower wall/floor bracket | Grey | 43/67/40 | 1 | 3606481213860 | INS40482 |
| Lower wall bracket for one-sided poles and poles with one or two boxes. The pole will be positioned 25 mm from the wall to avoid interference with false ceiling frames. To be used together with upper wall bracket INS40485. Material: Steel, powder coated. | | | | | |
| Lower wall bracket for Optiline 45 and 50 poles | Grey | 43/80/40 | 1 | 3606489938512 | INS40486 |

P152507
P152508
Wall_bracket
P152506
Lower_wall_floor_bracket

# OptiLine 45 Poles
## Range

## Accessories for poles

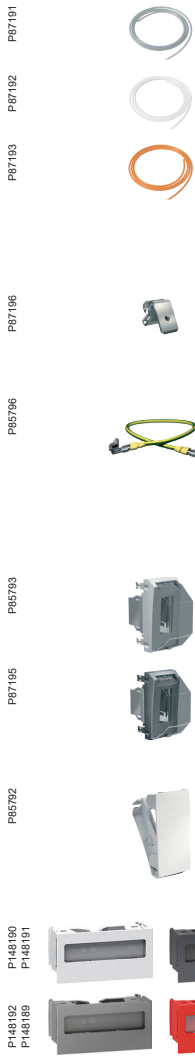| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|
| **Front cover** | | | | | |
| Front cover to be snap-fitted in service carriers with a 45 mm front opening. With earthing slots. Supplied with protective foil, in lengths of 2 m. Material: Aluminium, natural anodized or powder coated white. | | | | | |
| Front cover | Anodized | 45/16/2000 | 24 m | 3606480028489 | ISM10950 |
| Front cover | Polar white | 45/16/2000 | 24 m | 3606480682179 | ISM10960P |
| **Floor fixing with slot for floor feeder** | | | | | |
| Floor fixing for one or two-sided pole. Fixed to the floor by screws. With slot for connection of floor feeder 18x75 mm. Material: Aluminium, powder coated. | | | | | |
| For one-sided pole | Grey | 38/125/102 | 1 | 3606480030703 | ISM20820 |
| For two-sided pole | Grey | 38/125/156 | 1 | 3606480030710 | ISM20821 |
| **Floor feeder** | | | | | |
| Floor feeder made up by a base part with three compartments and a cover. Supplied in lengths of 2 m. To be used for feeding along the floor to a pole provided with a slotted floor fixing for 18x75 mm floor feeder. Material: PVC. | | | | | |
| Floor feeder | Grey | 18/75/2000 | 28 m | 3606480030673 | ISM20817 |
| Floor feeder made up by a base part with three compartments and a cover. Supplied in lengths of 2 m. To be used for feeding along the floor to a pole provided with a slotted floor fixing for 18x75 mm floor feeder. Material: Aluminium, natural anodized. | | | | | |
| Floor feeder | Anodized | 18/75/2000 | 8 m | 3606480027536 | ISM20857 |
| **Floor feeder jointing piece** | | | | | |
| Floor feeder jointing piece to cover joints between floor feeder sections. Material: PVC. | | | | | |
| Jointing piece | Grey | 20/50/78 | 10 | 3606480030680 | ISM20818 |
| **Corner feeder piece** | | | | | |
| Corner feeder piece to be used in 90 degree corners between floor feeder sections. Material: PVC. | | | | | |
| Corner feeder piece | Grey | 20/120/120 | 10 | 3606480030697 | ISM20819 |
| **Floor feeder adaptor** | | | | | |
| Adaptor to be used between floor feeder and wall trunking with a 45 mm front opening. Material: PC/ABS. | | | | | |
| Adaptor | Polar white | 60/63/110 | 1 | 3606480682278 | ISM20826P |
| Adaptor | Alu metallic | 60/63/110 | 1 | 3606480030772 | ISM20827 |
| **Partition profile** | | | | | |
| Partition profile of halogen-free material with two partition walls. Mounted in internal fixing rails of poles and posts. Supplied in lengths of 0.5 m. Material: ABS. | | | | | |
| Partition profile | White | 500/30/52 | 10 | 3606480030758 | ISM20825 |

P92658
P92659
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P86523
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P86521
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P87187
P87194

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## Accessories for poles

| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|---|
| | **Decorative stripe** | | | | | |
| | Decorative stripe to be fitted in the slots along the sides of poles and posts. Supplied in lengths of 5 m. Material: Silicone rubber. | | | | | |
| P87191 | Decorative stripe | Grey | 5000/Ø3.5 | 5 m | 3606480030727 | ISM20822 |
| P87192 | Decorative stripe | Polar white | 5000/Ø3.5 | 5 m | 3606480682261 | ISM20823P |
| P87193 | Decorative stripe | Orange | 5000/Ø3.5 | 5 m | 3606480030741 | ISM20824 |
| | **Earthing clamp** | | | | | |
| | Earthing clamp to be used for bonding of front cover, base profile and accessories to earth. Material: Steel. | | | | | |
| P87196 | Earthing clamp | — | 9/9/9 | 20 | 3606480028502 | ISM10952 |
| | **Earthing kit** | | | | | |
| P85796 | Kit including earth wire with flat pin connectors and earthing clamps. To be used to connect the front cover to the base profile. | | | | | |
| | Earthing kit | Yellow/green | L = 200 | 10 | 3606480028519 | ISM10953 |
| | | | L = 300 | 10 | 3606480028526 | ISM10954 |
| | **Modular device adaptor** | | | | | |
| | 2-module adaptor for 1-2 modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: ASA+PC, white or alu metallic. | | | | | |
| P85793 | Modular device adaptor | Polar white | 90/72/45 | 1 | 3606480681950 | ISM10907P |
| P87195 | Modular device adaptor | Alu metallic | 90/72/45 | 1 | 3606480028540 | ISM10957 |
| | **Front locking clip** | | | | | |
| P85792 | Front locking clip to be mounted on either side of an outlet in order to secure pull-out forces. Material: PC/ABS. | | | | | |
| | Front locking clip | Polar white | 45/23/23 | 10 | 3606489604141 | ISM10909P |
| | **Label holder** | | | | | |
| P148190 P148191 | Label holder for marking purposes. Package of ten. Material: PC/ABS. | | | | | |
| | Label holder | White | 23/23/45 | 10 | 3606489843021 | ISM10920P |
| P148192 P148189 | | Anthracite | 23/23/45 | 10 | 3606489843038 | ISM10921 |
| | | Alu metalic | 23/23/45 | 10 | 3606489843045 | ISM10922 |
| | | Red | 23/23/45 | 10 | 3606490159319 | ISM10923 |

| Comp. | Max. Ø mm | Cross section area mm² | Cable capacity (') mm² | | | |
|---|---|---|---|---|---|---|
| | | | 40% | 50% | 60% | |
| **One-sided pole** | | | | | | |
| 1 | 41 | 4220 | 1688 | 2110 | 2532 | |
| **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 | |
| **Pole profile for pole with four boxes** | | | | | | |
| 2 | 43 | 2535 | 1014 | 1267 | 1521 | |

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

# OptiLine 45 Poles
## Technical description

## Exploded views



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

**Floor feeder**
1. Floor fixing with slot for feeder profile
2. Floor feeder
   2a. Base profile
   2b. Cover
3. Floor feeder jointing piece
4. Corner feeder piece
5. Floor feeder adaptor

## Technical and Material data

| | | |
|---|---|---|
| Aluminium, extruded | Specification | EN-AW-6063 |
| | Surface treatment | Natural anodzing or powder coating |
| | Colour | Polar white (RAL 9003) |
| Aluminium, die cast | Surface treatment | Powder coating |
| | Colour | Grey (RAL 9007) |
| Cast iron | Surface treatment | Coated with clear varnish |
| Zinc | Surface treatment | Untreated |
| PC/ABS | Fire rating | UL 94 HB |
| | Colour | White |
| PS (Polystyrene) | Colour | Polar white (RAL 9003) |
| | Other info | Halogen-free |
| PVC | Colour | Grey (RAL 7030) |
| PC+ASA | Fire rating | UL 94 HB |
| | Colour | Polar white (RAL 9003) |
| Steel | Specification | SS 1142 |
| | Surface treatment | Powder coating |
| Silicone rubber | Colour | • Grey • Orange • Polar white |

## Design and dimensions

| Tension-mounted poles | | |
|---|---|---|
| **A** **Total height** | | **B** **Height without ceiling fixing** |
| Min. 2700 mm Max. 3100 mm | | 2540 mm |
| Min. 3100 mm Max. 3500 mm | | 2940 mm |
| Min. 3500 mm Max. 3900 mm | | 3340 mm |
| Min. 3900 mm Max. 4300 mmm | | 3740 mm |
| **Tension-mounted poles with boxes** | | |
| Min. 2700 mm Max. 3100 mm | Box height 558 mm (C) | 2510 mm |
| Min. 3100 mm Max. 3500 mm | | 2910 mm |
| Min. 3500 mm Max. 3900 mm | | 3310 mm |
| **Free-standing poles** | | |
| **A** **Total height of pole** | | **B** **Length of flex. conduit** |
| 2150 mm | | 2000 mm |
| 2450 mm | | 2000 mm |
| 2900 mm | | 2000 mm |
| **Free-standing poles with boxes** | | |
| 2150 mm | Box height 558 mm (C) | 2000 mm |
| 2450 mm | | 2000 mm |
| 2900 mm | | 2000 mm |

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# OptiLine 45 Posts
## Presentation



### Service posts with 45 mm front opening for direct click-in of Unica 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.
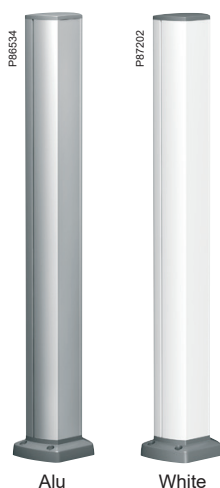




### Unica 45x45 module wiring devices
The OptiLine 45 range has a front opening for direct click-in of Unica 45x45 module wiring devices which gives optimal function and design.
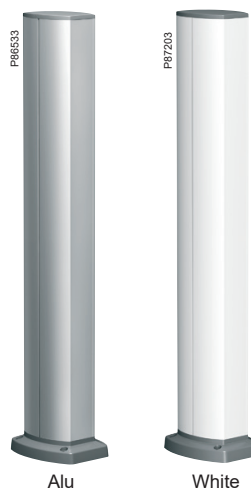Unica offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats, timers.
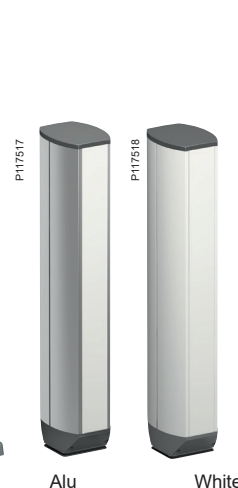
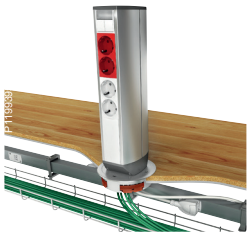| One-sided posts | | Two-sided posts | | Two-sided posts for floor grommet | |
|---|---|---|---|---|---|
| P86534 | P87202 | P86533 | P87203 | P117517 | P117518 |
| Alu | White | Alu | White | Alu | White |

# OptiLine 45 Posts
## Presentation



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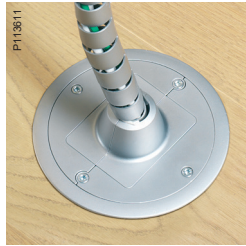


### Tube adaptor
With a tube adaptor in the floor grommet you can supply power and data to a furniture box instead.
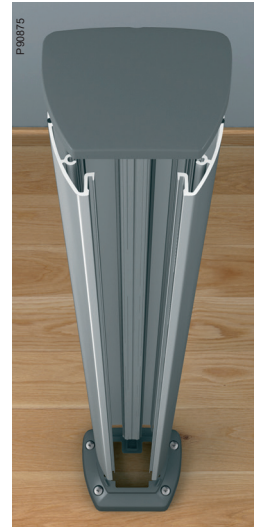


### Stable and tight
When not in use the centre cover makes the floor grommet tight, withstanding both water and high loads.



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



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



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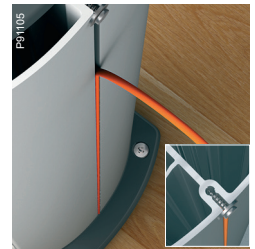Posts could be fed from the floor or along the floor
• Floor fixing for feeding from the floor as a standard
• Floor fixing with slot for floor feeder as an accessory



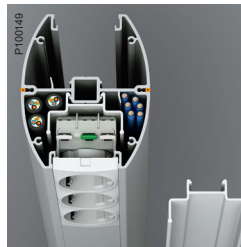### Feeding from trunking
The post can be fed from a wall trunking.
• Easy and fast installation
• Floor feeder adaptor with adjustable height



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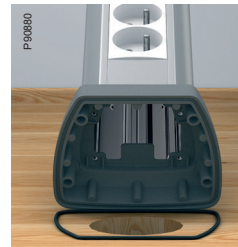Slots along both sides of the post
• For decorative colour strips
• For products like hooks etc.





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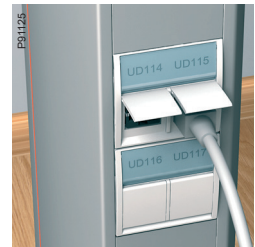Partition profile for good separation of cables.
• Correct distance between VDI and power cables
• Full isolation between wiring device terminations and cables



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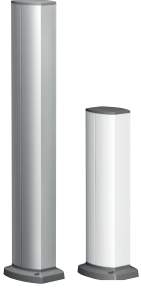• Stable mounting also on slightly uneven floors



### Correct user interface
Unica 45x45 modules are designed also for vertical mounting
• Correct user interface
• Correct load on VDI patch cords

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# OptiLine 45 Posts
## Choice guide

| Posts | | | | | |
|---|---|---|---|---|---|
| | One-sided | Two-sided | Colour | Height mm | Ref. No. |
| **With floor fixing** | ⬡ | | Anodized aluminium<br>Polar white | 430<br>430 | ISM20210<br>ISM20211P |
| | ⬡ | | Anodized aluminium<br>Polar white | 700<br>700 | ISM20200<br>ISM20201P |
| | | ⬡ | Anodized aluminium<br>Polar white | 430<br>430 | ISM20212<br>ISM20213P |
| | | ⬡ | Anodized aluminium<br>Polar white | 700<br>700 | ISM20202<br>ISM20203P |
| **With floor fixing for floor grommet** | | ⬡ | Anodized aluminium<br>Polar white | 430<br>430 | ISM20220<br>ISM20221P |
| **With slotted floor fixing** | ⬡ | | Anodized aluminium<br>Polar white | 430<br>430 | ISM20215<br>ISM20216P |
| | ⬡ | | Anodized aluminium<br>Polar white | 700<br>700 | ISM20205<br>ISM20206P |
| | | ⬡ | Anodized aluminium<br>Polar white | 430<br>430 | ISM20217<br>ISM20218P |
| | | ⬡ | Anodized aluminium<br>Polar white | 700<br>700 | ISM20207<br>ISM20208P |

# OptiLine 45 Posts
## Range

## Posts

| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|
| **Post with floor fixing** | | | | | |
| Empty, free-standing, one or two-sided post mounted on a floor fixing. Including front cover, floor fixing, stop end, strain relief, partition profile, earthing kit and mounting instruction. Floor fixing provided with gasket ring. Unearthed. Supplied without service content and cables. 45 mm front opening for direct click-in of Unica 45x45 module wiring devices. Material: Aluminum, natural anodized or pow | | | | | |
| One-sided For up to six 45x45 module wiring devices | Anodized Polar white | 430/68/89 | 1 | 3606480025532 3606480682322 | ISM20210 ISM20211P |
| One-sided For up to twelve 45x45 module wiring devices | Anodized Polar white | 700/68/89 | 1 | 3606480029769 3606480682285 | ISM20200 ISM20201P |
| Two-sided For up to six 45x45 module wiring devices on each side | Anodized Polar white | 430/116/90 | 1 | 3606480025556 3606480682339 | ISM20212 ISM20213P |
| Two-sided For up to twelve 45x45 module wiring devices on each side | Anodized Polar white | 700/116/90 | 1 | 3606480029783 3606480682292 | ISM20202 ISM20203P |
| Empty, free-standing, two-sided post mounted on a floor fixing for floor grommet, intended for up to six 45x45 module wiring devices. Including plastic front covers, floor fixing, stop end, strain relief, partition profile, earthing kit and mounting instruction. Unearthed. Supplied without service content and cables. 45 mm front opening for direct click-in of Unica 45x45 module wiring devices. Material: Aluminum, natural anodized or powder coated white. | | | | | |
| Two-sided for floor grommet | Anodized Polar white | 430/116/90 | 1 | 3606480317460 3606480682360 | ISM20220 ISM20221P |
| **Post with slotted floor fixing** | | | | | |
| Empty, free-standing, one or two-sided post mounted on a floor fixing. Including front cover, floor fixing with slot 18x75 mm, stop end, strain relief, partition profile, earthing kit and mounting instruction. Floor fixing provided with gasket ring. Unearthed. Supplied without service content and cables. 45 mm front opening for direct click-in of Unica 45x45 module wiring devices.<br><br>Material: Aluminum, natural anodized or powder coated white. | | | | | |
| One-sided For up to six 45x45 module wiring devices | Anodized Polar white | 430/68/89 | 1 | 3606480027512 3606480682346 | ISM20215 ISM20216P |
| One-sided For up to twelve 45x45 module wiring devices | Anodized Polar white | 700/68/89 | 1 | 3606480027499 3606480682308 | ISM20205 ISM20206P |
| Two-sided For up to six 45x45 module wiring devices on each side | Anodized Polar white | 430/116/90 | 1 | 3606480027529 3606480682353 | ISM20217 ISM20218P |
| Two-sided For up to twelve 45x45 module wiring devices on each side | Anodized Polar white | 700/116/90 | 1 | 3606480027505 3606480682315 | ISM20207 ISM20208P |

P100853
P86534

P100687
P87203

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P117518

P104015
P103999

P104044
P104043

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# OptiLine 45 Posts
## Range

## Pre-wired Posts

| Type | Colour | Material | Dimensions A/B/C (mm) | Qty per package | Ref. No. |
|------|--------|----------|------------------------|-----------------|----------|
| **One-sided Post** | | | | | |
| One-sided Post mounted on a floor fixing. Pre-wired, configured with 3 x double socket outlets, side-earthed, with cable, and 2 x Cat 6 UTP with cable. Including stop end and mounting instruction. Floor fixing provided with gasket ring. Earthed. External cables: one unshielded 3 x 1.5 mm² cable with side-earthed plug, 2.5 m free length, and two Cat 6 UTP data cables with RJ45 plugs, 9.0 m free length. | | | | | |
| One-sided Post 2 x Cat 6 UTP | White | Aluminum | 600/68/89 | 1 | ISM22200 |
| | Anodized | Aluminum | 600/68/89 | 1 | ISM22201 |
| One-sided Post mounted on a floor fixing. Pre-wired, configured with 3 x double socket outlets, side-earthed, with cable, and 2 x Cat 6A S/FTP with cable. Including stop end and mounting instruction. Floor fixing provided with gasket ring. Earthed. External cables: one unshielded 3 x 1.5 mm² cable with side-earthed plug, 2.5 m free length, and two Cat 6A S/FTP data cables with RJ45 plugs, 9.0 m free length. | | | | | |
| One-sided Post 2 x Cat 6A S/FTP | White | Aluminum | 600/68/89 | 1 | ISM22202 |
| | Anodized | Aluminum | 600/68/89 | 1 | ISM22203 |

P111188
P111189

## Accessories for posts

| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|------|--------|------------------------|-----------------|----------|----------|
| **Floor fixing with slot for floor feeder** | | | | | |
| Floor fixing for one or two-sided sided post. Fixed to the floor by screws. With slot for connection of floor feeder 18x75 mm. Material: Aluminium, powder coated. | | | | | |
| For one-sided post | Grey | 38/125/102 | 1 | 3606480030703 | ISM20820 |
| For two-sided post | Grey | 38/125/156 | 1 | 3606480030710 | ISM20821 |
| **Floor feeder, PVC** | | | | | |
| Floor feeder made up by a base part with three compartments and a cover. Supplied in lengths of 2 m. To be used for feeding along the floor to a post provided with a slotted floor fixing for 18x75 mm floor feeder. Material: PVC. | | | | | |
| Floor feeder | Grey | 18/75/2000 | 28 m | 3606480030673 | ISM20817 |
| **Floor feeder, aluminium** | | | | | |
| Floor feeder made up by a base part with three compartments and a cover. Supplied in lengths of 2 m. To be used for feeding along the floor to a post provided with a slotted floor fixing for 18x75 mm floor feeder. Material: Aluminium, natural anodized. | | | | | |
| Floor feeder | Anodized | 18/75/2000 | 8 m | 3606480027536 | ISM20857 |
| **Floor feeder jointing piece** | | | | | |
| Floor feeder jointing piece to cover joints between floor feeder sections. Material: PVC. | | | | | |
| Jointing piece | Grey | 20/50/78 | 10 | 3606480030680 | ISM20818 |
| **Corner feeder piece** | | | | | |
| Corner feeder piece to be used in 90 degree corners between floor feeder sections. Material: PVC. | | | | | |
| Corner feeder piece | Grey | 20/120/120 | 10 | 3606480030697 | ISM20819 |
| **Floor feeder adaptor** | | | | | |
| Adaptor to be used between floor feeder and wall trunking with a 45 mm front opening. Material: PC/ABS. | | | | | |
| Adaptor | Polar white | 60/63/110 | 1 | 3606480682278 | ISM20826P |
| Adaptor | Alu metallic | 60/63/110 | 1 | 3606480030772 | ISM20827 |
| **Floor grommet** | | | | | |
| Grommet for floor applications, intended to suit a special version of the two-sided post. Including trim frame with fixing devices, two-part cover and sealing foam for protection from dust and wet floor-cleaning. The cover has the function of a water-tight blank plate when no post has been installed. When installing a post, the removed part of the cover remains in the grommet, secured by a strap. Hole diameter 127 mm. Material: Zinc, chromium plated. | | | | | |
| Floor grommet | — | 38/Ø147 | 1 | 3606480160769 | INS40550 |

P87188
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# OptiLine 45 Posts
## Range

## Accessories for posts

| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|------|--------|----------------------|-----------------|----------|----------|
| **Partition profile** | | | | | |
| Partition profile of halogen-free material with two partition walls. Mounted in internal fixing rails of poles and posts. Supplied in lengths of 0.5 m. Material: ABS. | | | | | |
| Partition profile | White | 500/30/52 | 10 | 3606480030758 | ISM20825 |
| **Front cover** | | | | | |
| Front cover to be snap-fitted in service carriers with a 45 mm front opening. With earthing slots. Supplied with protective foil, in lengths of 2 m. Material: Aluminium, natural anodized or powder coated white. | | | | | |
| Front cover | Anodized | 45/16/2000 | 24 m | 3606480028489 | ISM10950 |
| Front cover | Polar white | 45/16/2000 | 24 m | 3606480682179 | ISM10960P |
| **Decorative stripe** | | | | | |
| Decorative stripe to be fitted in the slots along the sides of poles and posts. Supplied in lengths of 5 m. Material: Silicone rubber. | | | | | |
| Decorative stripe | Grey | 5000/Ø3.5 | 5 m | 3606480030727 | ISM20822 |
| Decorative stripe | Polar white | 5000/Ø3.5 | 5 m | 3606480682261 | ISM20823P |
| Decorative stripe | Orange | 5000/Ø3.5 | 5 m | 3606480030741 | ISM20824 |
| **Earthing clamp** | | | | | |
| Earthing clamp to be used for bonding of front cover, base profile and accessories to earth. Material: Steel. | | | | | |
| Earthing clamp | — | 9/9/9 | 20 | 3606480028502 | ISM10952 |
| **Earthing kit** | | | | | |
| Kit including earth wire with flat pin connectors and earthing clamps. To be used to connect the front cover to the base profile. | | | | | |
| Earthing kit | Yellow/green | L = 200 | 10 | 3606480028519 | ISM10953 |
| | | L = 300 | 10 | 3606480038526 | ISM10954 |
| **Modular device adaptor** | | | | | |
| 2-module adaptor for 1-2 modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: ASA+PC. | | | | | |
| Modular device adaptor | Polar white | 90/72/45 | 1 | 3606480681950 | ISM10907P |
| Modular device adaptor | Alu metallic | 90/72/45 | 1 | 3606480028540 | ISM10957 |
| **Front locking clip** | | | | | |
| Front locking clip to be mounted on either side of an outlet in order to secure pull-out forces. Material: PC/ABS. | | | | | |
| Front locking clip | Polar white | 45/23/23 | 10 | 3606489604141 | ISM10909P |
| **Label holder** | | | | | |
| Label holder for marking purposes. Package of ten. Material: PC/ABS. | | | | | |
| Label holder | White | 23/23/45 | 10 | 3606489843021 | ISM10920P |
| | Anthracite | 23/23/45 | 10 | 3606489843038 | ISM10921 |
| | Alu metalic | 23/23/45 | 10 | 3606489843045 | ISM10922 |
| | Red | 23/23/45 | 10 | 3606490159319 | ISM10923 |

P87194
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P87191
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P87196
P85796
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P148192
P148189

# OptiLine 45 Posts
## Technical description

**Technical and Material data**
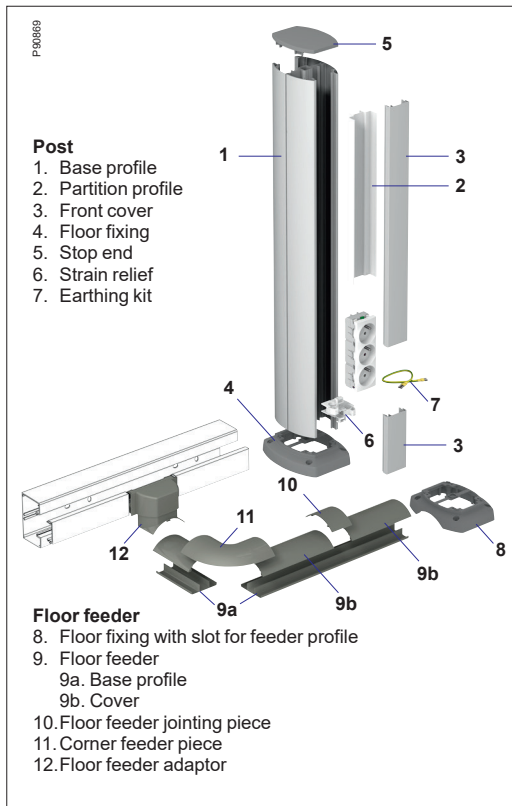
| | | |
|---|---|---|
| Aluminium, extruded | Specification | EN-AW-6063 |
| | Surface treatment | Natural anodzing or powder coating |
| | Colour | Polar white (RAL 9003) |
| Aluminium, die cast | Surface treatment | Powder coating |
| | Colour | Grey (RAL 9007) |
| PVC | Colour | Grey (RAL 7030) |
| PC/ABS | Fire rating | UL 94 HB |
| | Colour | • Polar white (RAL 9003)<br>• Aluminium metallic (painted) |
| PC+ASA | Fire rating | UL 94 HB |
| | Colour | • Polar white (RAL 9003)<br>• Aluminium metallic |
| Steel | Specification | SS 1142 |
| Silicone rubber | Colour | • Grey<br>• Orange<br>• Polar white |

| | |
|---|---|
| Degree of protection | IP30 |
| Temperature range | Operating temperature from -25°C to +60°C |
| Standards and certificates | The products comply with the standards:<br>• EN 50085-1 : 2005<br>• NFC 68 102 (French national standard) |
| | The products satisfy the provisions for CE marking ing to the Low Voltage Directive 73/23/ |

accord-
EEC and 93/68/EEC.

# OptiLine 45 Posts
## Technical description

## Exploded view



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

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

## Cable capacity

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

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

## Design and dimensions

Schneider Electric
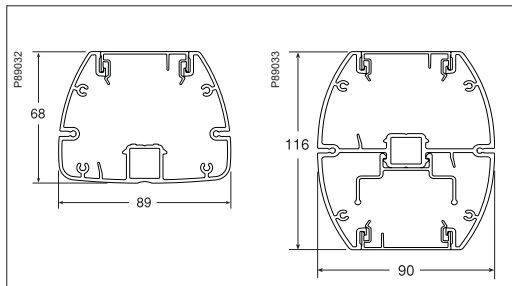
# OptiLine 45 Service boxes
## Presentation

## Service boxes with 45 mm front opening for direct click-in of Unica 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.

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

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



**Pop-up service box**

**Mini pop-up service boxes**

**Flip-up service boxes**



**Unica 45x45 module wiring devices**

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

Unica offers a broad range of socket outlets, switches, VDI outlets and electronic products such as dimmers, movement detectors, thermostats, timers.
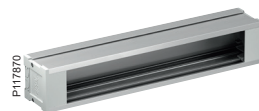
**Basic service boxes**

# OptiLine 45 Service boxes
## Presentation

### Flip-up and Pop-up



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

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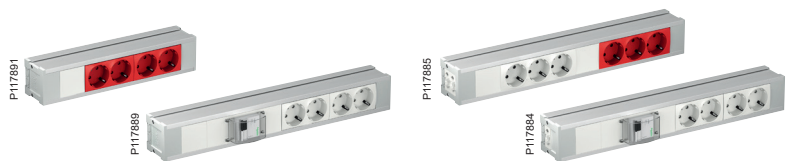
### Flip-up



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

### 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.

# OptiLine 45 Service boxes
## Range

## Basic desk units
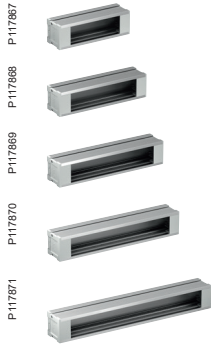
| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|---|
| | **Basic desk unit, empty** | | | | | |
| | One-sided desk unit, empty. Including base profile, stop ends, earthing cable and screws. Material: Aluminium, natural anodized. | | | | | |
| P117867 | 3 modules | Anodized | 60/60/195 | 1 | 3606480273865 | ISM20420 |
| P117868 | 4 modules | Anodized | 60/60/240 | 1 | 3606480273872 | ISM20421 |
| P117869 | 5 modules | Anodized | 60/60/285 | 1 | 3606480273889 | ISM20422 |
| P117870 | 6 modules | Anodized | 60/60/330 | 1 | 3606480273896 | ISM20423 |
| P117871 | 8 modules | Anodized | 60/60/420 | 1 | 3606480273902 | ISM20424 |

# OptiLine 45 Service boxes
## Range

## Flush-mounted desk unit

| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|------|--------|----------------------|-----------------|----------|----------|
| **Desk unit with flip lid** | | | | | |
| Flush-mounted desk unit provided with a flip lid. Empty, intended for 12 modules (12x22.5 mm). To be mounted in a desk-top. Fixing elements, earthing cable, strain relief and mounting instruction included. Thickness of desk-top: 10-40 mm, hole dimensions: 142x295 mm. Material: Aluminium, steel, powder coated. | | | | | |
| Desk unit with flip lid | Grey | 105/160/305 | 1 | 3606480317507 | ISM20410 |
| **Cable basket for desk unit with flip lid** | | | | | |
| Basket for cables, to be mounted under the frame of the flip-lid unit, for instance under a desk. Material: Steel, polyester/PVC cloth. | | | | | |
| Cable basket | White | 170/150/265 | 1 | 3606480068461 | INS40703 |

## Turnable desk unit

| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|------|--------|----------------------|-----------------|----------|----------|
| **Turnable desk unit, pre-defined/pre-wired** | | | | | |
| One-sided turnable desk unit. Standing on two feet, can be turned around its own axis to the desired position. Configured with 4 x double power outlets, Pin-earthed, with cable and various data outlets, see below. Earthed. Total lengths of power and data cables 6 m. Material: Aluminum, natural anodized. | | | | | |
| 2 x Cat 6 UTP data outlets with cable | Anodized | 92/130/618 | 1 | 3606481279989 | ISM20350P |

## Pop-up desk units, pre-wired

| | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|------|--------|----------------------|-----------------|----------|----------|
| **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. 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 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: 3 x double side-earthed socket outlets and 6 m power cable with plug | Anodized | 325/Ø236 | 1 | 3606481279972 | ISM20346P |
| **Pop-up desk unit, pre-wired, with Unica pin-earthed outlets** | | | | | |
| Pop-up desk unit, 6-sided. Three sides provided with double Unica socket outlets, pin-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 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: 3 x double pin-earthed socket outlets and 6 m power cable with plug | Anodized | 325/Ø236 | 1 | 3606481279965 | ISM20341P |

## Manual pop-up desk units, empty

| | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|------|--------|----------------------|-----------------|----------|----------|
| **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 | 3606480317484 | ISM20400 |
| Manual pop-up box, 8-module* | Anodized | 297/112/- | 1 | 3606480317491 | ISM20401 |

* 1 module = 22.5 mm

# OptiLine 45 Service boxes
## Range

## Accessories for basic desk units

| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|---|---|---|---|---|
| | **Accessory kit** | | | | | |
| | Accessory kit including mounting profiles, brackets and screws. For the installation of basic desk unit, snap-fitted and screw-locked, in OptiLine 70 front opening. Material: Aluminium, natural anodized. | | | | | |
| P117892 | For 3 modules | Anodized | 37/8/195 | 1 | 3606480273919 | ISM20425 |
| P117893 | For 4 modules | Anodized | 37/8/240 | 1 | 3606480273926 | ISM20426 |
| P117894 | For 5 modules | Anodized | 37/8/285 | 1 | 3606480273933 | ISM20427 |
| P117895 | For 6 modules | Anodized | 37/8/330 | 1 | 3606480273940 | ISM20428 |
| P117896 | For 8 modules | Anodized | 37/8/420 | 1 | 3606480273957 | ISM20429 |
| P121475 | For 9 modules | Anodized | 37/8/465 | 1 | 3606480334733 | ISM20451 |
| | **Connection block** | | | | | |
| | Connection block with strain relief, screw and one-module front cover. Material: PC, aluminium. | | | | | |
| P117897 | Connection block | — | 30/40/75 | 1 | 3606480274169 | ISM20450 |
| | **Power cables** | | | | | |
| | Extension cable 1-phase 250/400V 16A with connectors. Cable: halogen-free Ø10.2 mm, S05Z1A7Z1-F3G1.5 3x1.5mm². Connectors: female GST 18i3 and male power connector (combined pin- and side-earth). NOTE: Only to be used for Schneider furniture units! Material: PA, PE/PP, FR. | | | | | |
| P112435 | Cable, 3 m | White | Length 3000 | 1 | 3606480068485 | INS40721 |
| | Cable, 5 m | White | Length 5000 | 1 | 3606480068492 | INS40722 |
| | **Fixings for Basic box** | | | | | |
| | Wall fixing, to be screw-fitted to the wall. The box is pushed in place on the fixing, can be mounted in three different positions. Also suitable for connection of two boxes. Material: Steel, zinc plated. | | | | | |
| P113020 | Wall fixing | — | 5/30/195 | 1 | 3606480068430 | INS40700 |

# OptiLine 45 Service boxes
## Range

## Accessories for desk units

| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|------|--------|----------------------|-----------------|----------|----------|
| **Ceiling cable feeder** | | | | | |
| Cable feeder including base profile with separation wall and cover. Diameter 52 mm. For cable feeding from ceiling to work-desk. Material: Aluminium, natural anodized or powder coated white. | | | | | |
| Cable feeder | Anodized Polar white | 3200/Ø52 | 1 | 3606480030505 3606480687112 | ISM20800 ISM20801P |
| **Desk lead-through** | | | | | |
| Round guide bushing with flange and locking device. For lead-through of ceiling cable feeder through desktop. Material: Aluminium, powder coated grey or polar white. | | | | | |
| Desk lead-through | Grey Polar white | 70/Ø80 | 1 | 3606480030529 3606480687129 | ISM20802 ISM20803P |
| **Feeder adaptor** | | | | | |
| Adaptor for ceiling cable feeder. To be used as connection for flexible conduit Ø55 mm. Material: Aluminium, powder coated grey or polar white. | | | | | |
| Adaptor | Grey Polar white | 25/Ø58.5 | 1 | 3606480030543 3606480687136 | ISM20804 ISM20805P |
| **Foot adaptor** | | | | | |
| Adaptor intended for mounting the ceiling cable feeder onto a round foot (ISM20808). Material: Steel, painted. | | | | | |
| Foot adaptor | Grey | 145/Ø60 | 1 | 3606480297960 | ISM20832 |
| **Round foot** | | | | | |
| Round foot to be fixed to foot adaptor to provide a stable base to the ceiling cable feeder. Fixes to the foot adaptor by means of two M6 bolts (included). Material: Cast iron, painted. | | | | | |
| Foot, round | Grey | 29/Ø317 | 1 | 3606480030581 | ISM20808 |
| **Flexible conduit** | | | | | |
| Flexible conduit, Ø55 mm, to be used to bring cables from ceiling to cable feeder. Material: PUR (polyurethane). | | | | | |
| Flexible conduit | Alu metallic Polar white | 2000/Ø55 | 2 m | 3606480030567 3606480030574 | ISM20806 ISM20807 |
| Flexible conduit (split tube), Ø25 mm, to be used for cable feeding from ceiling to service carrier or from floor outlet box to desk top. Cables to be laid by using dedicated mounting tool. Material: PP. | | | | | |
| Flexible conduit | Grey metallic | Ø25/2000 | 2 | 3606480150340 | ISM50850 |
| **Mounting tool** | | | | | |
| Mounting tool for laying of cables in split-tube flexible conduits. Material: PP. | | | | | |
| For Ø25 mm conduit | — | Ø115/36/70 | 1 | 3606480150357 | ISM50852 |
| **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 | Polar white | 89/Ø161 | 1 | 3606480682216 | ISM20812P |
| **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 | 100/15/70 | 1 | 3606480030635 | ISM20813 |

P90978
P90980
P90977
P119914
P86529
P90981
P85091
P85094
P86527
P86524

## Accessories for desk units

| Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|------|--------|-----------------------|-----------------|----------|----------|
| **Ceiling fixing** | | | | | |
| Ceiling fixing intended to connect flexible conduit to ceiling or wall. Fixings not included. Material: Aluminium, powder coated. | | | | | |
| Ceiling fixing | White | 50/156/90 | 1 | 3606480030666 | ISM20816 |
| **Busbar fixing** | | | | | |
| Busbar fixing for Ø55 mm conduits, intended to connect flexible conduit to busbar trunking. Material: Steel, powder coated. | | | | | |
| Busbar fixing | White | 105/90/70 | 1 | 3606480030659 | ISM20815 |
| **Floor grommet** | | | | | |
| Grommet for floor applications, intended to suit a special version of the two-sided service post. Including trim frame with fixing devices, two-part cover and sealing foam for protection from dust and wet floor-cleaning. The cover has the function of a water-tight blank plate when no service post has been installed. When installing a post, the removed part of the cover remains in the grommet, secured by a strap. Hole diameter 127 mm. Material: Zinc, chromium plated. | | | | | |
| Floor grommet | — | 38/Ø147 | 1 | 3606480160769 | INS40550 |
| **Tube adaptor** | | | | | |
| Two-part tube adaptor for floor grommet. Intended for flexible tubes Ø25 mm. With integrated strain relief of flexible tube. To be used for instance together with flexible tube and a furniture unit. Material: Zinc, chromium plated. | | | | | |
| Tube adaptor | — | 39/64/80 | 1 | 3606480160752 | INS40551 |
| **Earthing kit** | | | | | |
| Kit including earth wire with flat pin connectors and earthing clamps. To be used to connect the front cover to the base profile. | | | | | |
| Earthing kit | Yellow/green | L = 200 | 10 | 3606480028519 | ISM10953 |
| | | L = 300 | 10 | 3606480028526 | ISM10954 |
| **Earthing clamp** | | | | | |
| Earthing clamp to be used for bonding of front cover, base profile and accessories to earth. Material: Steel. | | | | | |
| Earthing clamp | — | 9/9/9 | 20 | 3606480028502 | ISM10952 |
| **Modular device adaptor** | | | | | |
| 2-module adaptor for 1-2 modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC+ASA, white or alu metallic. | | | | | |
| Modular device adaptor | Polar white | 90/72/45 | 1 | 3606480681950 | ISM10907P |
| Modular device adaptor | Alu metallic | 90/72/45 | 1 | 3606480028540 | ISM10957 |

P86526
P94503
P103324
P103325
P85706
P87196
P85793
P87195

# OptiLine 45 Service boxes
## Technical description

## Exploded view



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

## Cable capacity

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

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

## Dimensions

**Desk unit with flip lid**



295    142

**6-sided pop-up unit**



236

Ø216

**Basic desk unit**



60

60

**1-sided pop-up unit**



Ø100

Schneider Electric
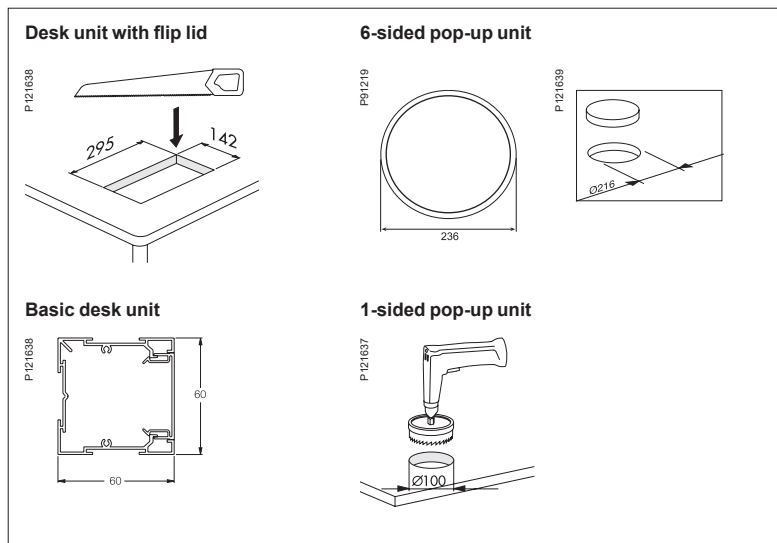
# OptiLine 45 Service boxes
## Technical description







**Description**

OptiLine 45 desk units are made of natural anodized aluminium. Three types are included in the offer;

• A basic rectangular one-sided version made up by a base profile with accessories. To be mounted on desk, cable tray or wall by means of dedicated fixings. The unit can be installed in an OptiLine 70 post by incorporating an accessory kit. Supplied in an empty version in five sizes, to be used for customer configuration. Feeder accessories comfortably bring cables from the ceiling to the box.

• A flush-mounted desk unit provided with a flip lid. To be mounted in the desk-top, intended for single user application.

• A turnable one-sided desk unit, with smoothly rounded design. The box is standing on two designed feet and can be turned around its own axis to the desired position. Supplied in different configurations with cables and plugs.

• A one-sided manual pop-up desk unit, intended for single user applications, mounted in the desk-top (office application), or in kitchen table-tops (residential application).

• A round 6-sided pop-up desk unit, supplied in different configurations. The unit is intended for mounting in for instance conference tables, where there is a need for occasional connections to power and VDI.

**Benefits**

• Made of natural anodized aluminium with a high finish.
• Many desk units are pre-wired for easy ordering and quick installation.
• Pop-up and turnable desk units offer unique user advantages in terms of design and accessibillity.

**Technical and Material data**

| | | |
|---|---|---|
| Aluminium; desk units | Specification | EN-AW-6063 |
| | Surface treatment | Natural anodizing |
| Aluminium; accessories | Specification | EN-AW-6063 |
| | Surface treatment | Natural anodizing or powder coating |
| | Colours | • Polar white (RAL 9003) <br> • Grey (RAL 9007) |
| Steel | Specification | SS 1142 |
| | Surface treatment | Powder coating |
| | Colour | Aluminium metallic |
| PUR (polyurethane) | Density | 1.2 g/cm$^3$ |
| | Colour | • Polar white (RAL 9003) <br> • Aluminium metallic |
| PC/ABS | Fire rating | UL 94 HB |
| | Colour | Polar white (RAL 9003) |
| PC+ASA | Fire rating | UL 94 HB |
| | Colour | • Polar white (RAL 9003) <br> • Aluminium metallic |

**Technical and Material data, cont.**

| | |
|---|---|
| Degree of protection | IP30 |
| Temperature range | Operating temperature from -5°C to +60°C |
| Standards and certificates | The products comply with the standards: <br> • IEC 1084-1 (Basic desk unit only) <br>   • IEC 1084-2-4 (Basic desk unit only) <br> • SS 424 10 32: 1989 |
| | The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 93/68/EEC |
| Unica | The products are approved for installation of the <br><br> range of service content |
| | All desk units are CE-marked |

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