



Description

The OptiLine Floor box system is an installation system for power, tele and data links in office flooring.

OptiLine floor boxes are made of polyamide and include mounting frames for Unica or Altira outlets, a trim frame and a lid. The lid can be decorated with floor material of up to 6 mm thickness. Lid infills of grey linoleum or stainless steel are also available as accessories.

There are two sizes available of the floor box; 199x199 mm and 199x276 mm. The smaller size can be equipped with four single or two double outlets. The bigger one is available either for six single or three double outlets or for eight single or four double outlets.

The floor box system also includes floor access boxes, screeded floor boxes, and a number of accessories such as strain relief, partition wall, swivel fixing and lid infill.

Application

The OptiLine Floor box system is suitable for use in raised access floors, screeded floors and in-cavity floors.

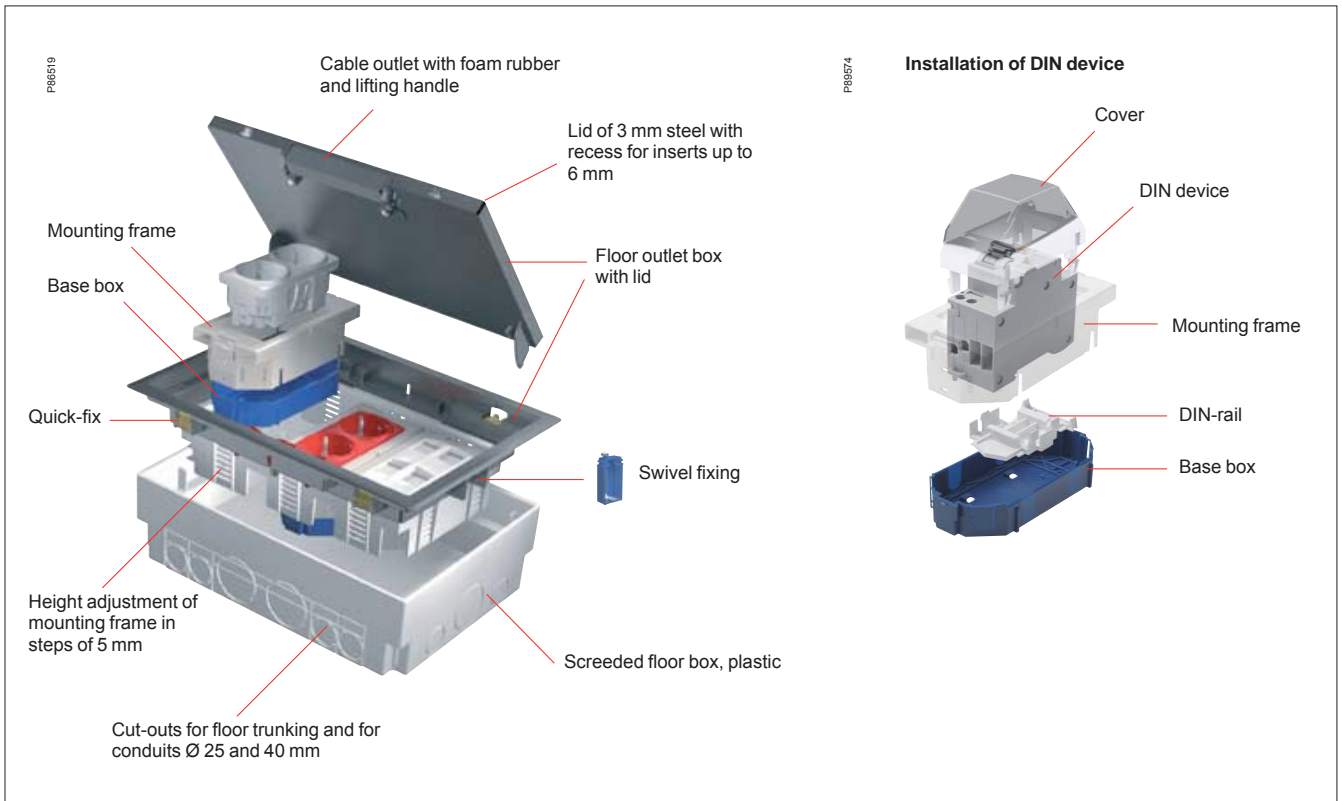
Benefits

- Quick and easy installation
- Two sizes and six variants of floor outlet box
- Suits both 45x45 mm single and 45x90 mm double outlets
- High load capacity conforming to VDE 0634-Teil 1
- Lids can be finished with most floor materials
- Choice of opening direction
- Height of mounting frames adjustable from 70 to 100 mm in steps of 5 mm
- Halogen-free

Technical and Material data

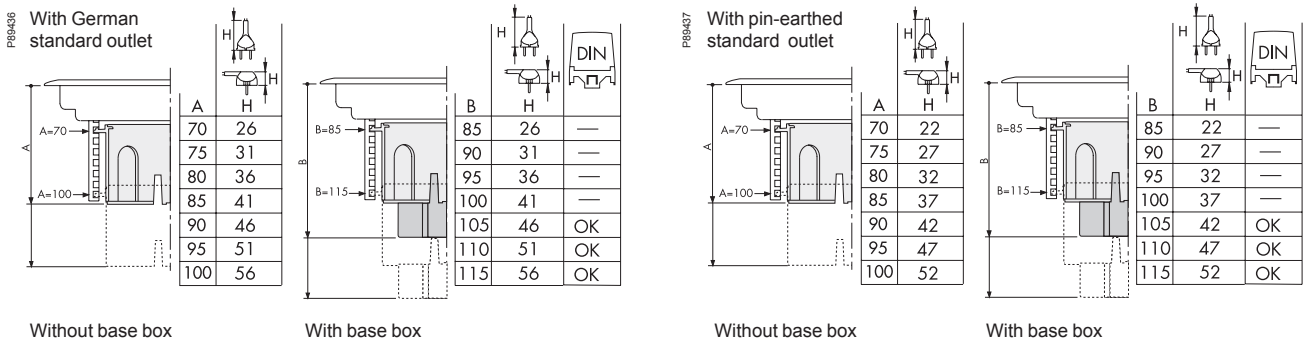
PA6	Density	1.13 g/cm ³
	Linear expansion	70-100x10 ⁻⁶ m/m °C
	Fire rating	UL94 V2 (3.2 mm)
	Colour	Blue RAL 5003 Grey RAL 7011
PA6 with 30% glass pellets	Density	1.36 g/cm ³
	Linear expansion	40-70x10 ⁻⁶ m/m °C
	Fire rating	UL 94 HB
	Colour	Grey RAL 7011
PBT with 30% glass-fibre	Density	1.52 g/cm ³
	Linear expansion	40-70x10 ⁻⁶ m/m °C
	Fire rating	UL 94 HB (1.5 mm)
	Colour	Light grey
PC/ABS	Density	1.14 g/cm ³
	Water absorption	0.6%
	Volume resistivity	>10 ¹³ Ω cm
	Dielectric strength	19 kV/mm
	Fire rating	UL 94 HB (halogen-free)
	Colour	Anthracite grey
PC+ASA	Density	1.15 g/cm ³
	Linear expansion	80x10 ⁻⁶ °C
	Water absorption	0.6%
	Volume resistivity	>10 ¹³ Ω cm
	Dielectric strength	17 kV/mm
	Fire rating	UL 94 HB
	Colours	White RAL 9010
PP	Density	0.91 g/cm
	Linear expansion	110x10 ⁻⁶ m/m °C
	Fire rating	UL 94 HB (1.5 mm)
	Colour	Light grey
Sheet steel	Specification	S 350 GD
	Density	7.8 g/cm ³
	Surface treatment	Zinc coated
Stainless steel	Specification:	X5CrNi 18-10
	Density:	7.8 g/cm ³
Degree of protection	IP20	
Standards	The products comply with the standards: • IEC 61084-1 : 1991 ed1 • IEC 61084-2-2 : 2003 The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 93/68/EEC	

Exploded views

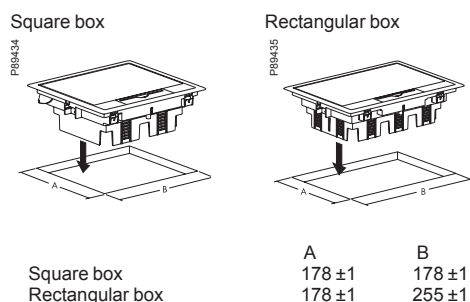


Dimensions

Floor heights



Hole dimensions



Technical and Material data, cont.

Cable capacity	860 mm ² , max. cable Ø 11 mm
Temperature range	Operating temperature from -25°C to +60°C

Mounting instructions

Mounting instructions are enclosed with the product. They are also available on PI@net.

Art. No. 0075254 / 20051187	Floor outlet box, four-module
Art. No. 0075255 / 20051188	Floor outlet box, six-module
Art. No. 0075256 / 20051193	Floor outlet box, eight-module
Art. No. 0075257 / 20051189	Floor access box
Art. No. 0075274 / 20051190	Screeded floor box







Product Environmental Profile

Product Environmental Profile documents are available on PI@net.



Package info

Package information is included in the Prodatt file, which is available on Yepnet. Package information can also be obtained from the responsible factory.



Floor outlet boxes

Type	Colour	Dimensions A/B/C (mm)	Qty per package	EAN code	Internal ID-No.	Ref. No.
<p>Floor outlet box including mounting frames for Unica or Altira outlets, trim frame with four quick-fix devices and lid with cable exit. Also including a plastic bag containing cable holder, partition wall and strain relief devices. The lid can be installed in two positions. It can be fitted with floor material of up to 6 mm thickness or with the lid infill accessory. The mounting frames are snapped into the trim frame. The height of the mounting frames is adjustable from 70 mm to 100 mm, in steps of 5 mm. The floor outlet box is suitable for 45x45 mm single outlets or 45x90 mm double outlets. Material: PA6 with 30% glass pellets, steel. Mounting frame for Altira = PC/ABS, for Unica = PBT.</p>						
For Altira outlets						
P88480 	Four module box, with two mounting frames for two double or four single Altira outlets	Grey	72/199/199	1	3606480030932	20051213 ISM50624
P88489 	Six module box, with three mounting frames for three double or six single Altira outlets	Grey	72/276/199	1	3606480030949	20051217 ISM50636
P88488 	Eight module box, with two mounting frames for four double or eight single Altira outlets	Grey	72/276/199	1	3606480030956	20051221 ISM50638
For Unica outlets						
P88507 	Four module box, with two mounting frames for two double or four single Unica outlets	Grey	72/199/199	1	3606480030895	20051212 ISM50524
P88506 	Six module box, with three mounting frames for three double or six single Unica outlets	Grey	72/276/199	1	3606480030928	20051224 ISM50536
P88505 	Eight module box, with two mounting frames for four double or eight single Unica outlets	Grey	72/276/199	1	3606480030925	20051218 ISM50538




Floor access boxes

<p>Floor access box including trim frame with four quick-fix devices and screw-fixed lid. The lid can be fitted with floor material of up to 6 mm thickness or with the lid infill accessory. To be used together with screeded floor box of PP or steel in screeded floors. Material: PA6 with 30% glass pellets, steel.</p>						
P8831 	Square	Grey	33/199/199	1	3606480030888	20051207 ISM50520
P8832 	Rectangular	Grey	33/276/199	1	3606480030901	20051209 ISM50530



Screeded floor boxes

Plastic box						
<p>Screeded floor box for embedment in screeded floors from 75 to 95 mm thickness. With cut-outs for floor trunking and conduits Ø 25 and 40 mm. Including fixing screws for the mounting of floor boxes. Material: PP.</p>						
P8833 	For square floor outlet and access boxes and up to 150 mm wide floor trunking	Light grey	75-95/188/188	1	3606480030789	20051223 ISM50320
P8834 	For rectangular floor outlet and access boxes and up to 200 mm wide floor trunking	Light grey	75-95/188/265	1	3606480030819	20051225 ISM50330

Screeded floor boxes

Type	Colour	Dimensions A/B/C (mm)	Qty per package	EAN code	Internal ID- No.	Ref. No.
Steel box						
Screeded floor box including trunking adaptors, for embedment in screeded floors from 75 to 110 mm thickness. Adaptors on all four sides. In order to mount floor outlet and floor access boxes properly in the steel box, the use of swivel fixings (ISM50823) is recommended. Material: Sheet steel.						
	For square floor outlet and access boxes and up to 200 mm wide floor trunking	—	75-110/350/350	1	3606480030796	20052698 ISM50322
	For rect. floor outlet and access boxes and up to 200 mm wide floor trunking	—	75-110/350/350	1	3606480030826	20052692 ISM50332
	For square floor outlet and access boxes and up to 350 mm wide floor trunking	—	75-110/500/500	1	3606480030802	20052706 ISM50323
	For rect. floor outlet and access boxes and up to 350 mm wide floor trunking	—	75-110/500/500	1	3606480030833	20052705 ISM50333
Adaptors for steel box						
Adaptor with break-out openings for conduits, to be fitted in the screeded floor box. Intended for the connection of 1–4 or 1–6 conduits Ø 25 and 40 mm. Material: Sheet steel, galvanized.						
	For 1–4 conduits Ø 25 or 40 mm	—	83/1.5/252	5	3606480030840	20052700 ISM50392
	For 1–6 conduits Ø 25 or 40 mm	—	83/1.5/403	5	3606480030857	20052771 ISM50393
Blank plate to be fitted in the screeded floor box. Material: Sheet steel, galvanized.						
	Blank plate	—	83/1.5/252	5	3606480030864	20052696 ISM50394
		—	83/1.5/403	5	3606480030871	20052770 ISM50395

Accessories

Mounting frame for Altira outlets						
Mounting frame for floor outlet box (the 139 mm mounting frame for both floor box sizes, the 216 mm mounting frame only for the rectangular ones). Suitable for single or double Altira outlets. For DIN devices the mounting frame must be combined with the corresponding size of base box. Material: PC/ABS.						
	For two single or one double outlet, both floor box sizes	Anthracite grey	38/64/139	6	3606480031021	20052995 ISM50809
	For four single or two double outlets, rectangular floor box	Anthracite grey	38/64/216	4	3606480031038	20051214 ISM50810
Mounting frame for Unica outlets						
Mounting frame for floor outlet box (the 139 mm mounting frame for both floor box sizes, the 216 mm mounting frame only for the rectangular ones). Suitable for single or double Unica outlets. For DIN devices the mounting frame must be combined with the corresponding size of base box. Material: PBT with 30% glass-fibre.						
	For two single or one double outlet, both floor box sizes	Grey	38/64/139	6	3606480030987	20052996 ISM50805
	For four single or two double outlets, rectangular floor box	Grey	38/64/216	4	3606480030994	20051216 ISM50806

Accessories

Type	Colour	Dimensions A/B/C (mm)	Qty per package	EAN code	Internal ID-No.	Ref. No.
Mounting frame including Altira outlets and Wieland cable						
Mounting frame for floor outlet box (the 139 mm mounting frame for both floor box sizes, the 216 mm mounting frame only for the rectangular ones). Pre-wired, equipped with one or two double Altira outlets, base box and 1 m of halogen-free Wieland cable 3x1.5 mm ² with GST 18/3 male connector. Material: PA6 + PC/ABS.						
P104502 	Anthr. grey/white	38/64/139	1	3606480032363	20059331	ISM50839
P104503 	Anthr. grey/red	38/64/139	1	3606480032356	20059332	ISM50841
P104504 	Anthr. grey/white	38/64/216	1	3606480056787	20059333	ISM50840
P104505 	Anthr. grey/red	38/64/216	1	3606480056710	20059334	ISM50842
Base box						
Base box to be combined with the mounting frame in order to fulfil IP20 (the 126 mm base box for both floor box sizes, the 203 mm base box only for the rectangular ones). Should also be used when mounting DIN devices. Material: PA6.						
P85635 	Blue	23/64/126	10	3606480030963	20051204	ISM50800
P85636 	Blue	23/64/203	10	3606480030970	20051205	ISM50801
Lid infill, linoleum						
Lid infill to be used in the lid of floor outlet boxes and floor access boxes. Provided with self-adhesive tape underneath. Material: Linoleum.						
P85643 	Grey	6/139/167	1	3606480031007	20052675	ISM50807
P85644 	Grey	6/139/245	1	3606480031014	20052674	ISM50808
Lid infill, stainless steel						
Lid infill to be used in the lid of floor outlet boxes and floor access boxes. Provided with a protective film on the upper surface and a soft rubber layer with self-adhesive tape underneath. Material: Stainless steel, rubber.						
P93867 	—	6/139/167	1	3606480025778	20056632	ISM50817
P93898 	—	6/139/245	1	3606480025761	20056631	ISM50818
Modular device kit, Altira						
Modular device kit for DIN devices, including DIN-rail and transparent grey cover with white frame. Suitable for one or two 18 mm DIN devices, e.g. miniature circuit breakers. To be used only in combination with mounting frame for Altira outlets and blue base box. Material: PC+ASA (DIN-rail), PC/ABS and PC (cover with frame).						
P92622 	White	72/45/90	1	3606480031045	20056059	ISM50811
Swivel fixing						
Swivel fixings to be mounted on each side of the floor outlet and access boxes. Intended for use as fixing method in screeded floor boxes of steel, and as additional fixing method in raised floors with a thickness ranging from 23 mm to 53 mm. Material: PA6, steel.						
P85638 	Blue	58/12/25	2	3606480031052	20056622	ISM50823