

OptiLine 50 Floor boxes

Technical description

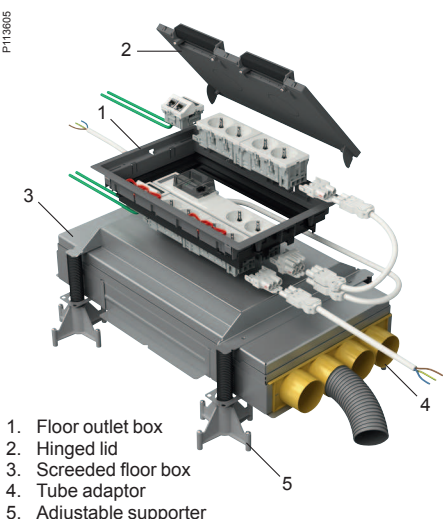


Technical and Material data

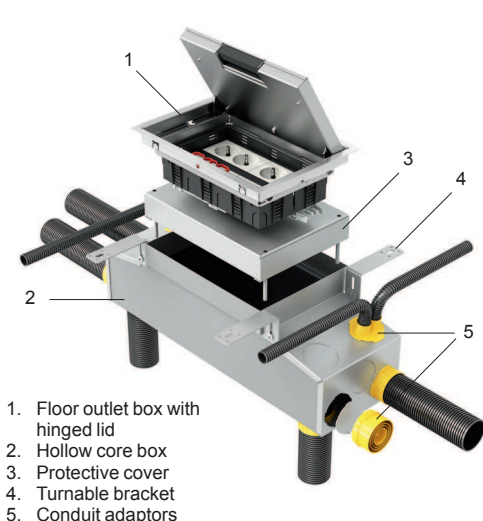
PA6 (polyamide 6)	Density	1.13 g/cm ³
	Linear expansion	70-100x10 ⁻⁶ m/m °C
	Fire rating	UL94 V2 (3.2 mm)
	Colour	Blue RAL 5003
PA/ABS (polyamide/acrylonitrile butadiene styrene)	Density	1.12 g/cm ³
	Linear expansion	70x10 ⁻⁶ m/m °C
	Water absorption	0.9%
	Volume resistivity	10 ¹⁴ Ω cm
	Dielectric strength	19 kV/mm
	Fire rating	UL 94 HB (halogen-free)
	Colour	Grey RAL 7011 Dark grey RAL 7043
PP (polypropylene)	Density	0.905 g/cm ³
	Linear expansion	11x10 ⁻⁶ m/m °C
	Fire rating	UL94 HB
	Colour	Yellow
Sheet steel	Specification	S 350 GD
	Density	7.8 g/cm ³
	Surface treatment	Zinc coated
Stainless steel	Specification:	X5CrNi 18-10
	Density:	7.8 g/cm ³
Degree of protection	IP20	
Standards	The products comply with EN 60670-23. Load according to EN 50085-2-2.	
	Swiss installation standard NIN 2010 (12 module floor outlet box only)	
	The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 93/68/EEC	
Temperature range	Operating temperature from -25°C to +60°C	
Impact	2 J (IK07)	

Exploded views

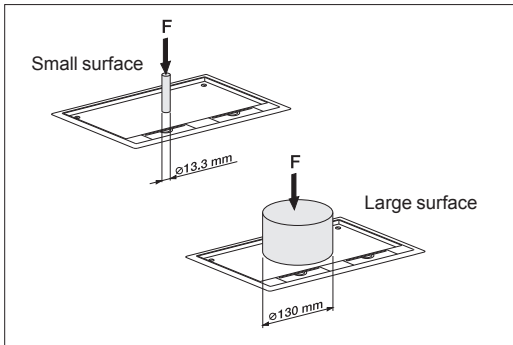
Floor outlet box / Screeded floor box



Floor outlet box / Hollow core box

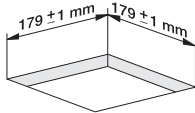


Max. load according to EN 50085-2-2

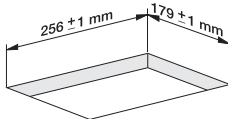


Hole dimensions

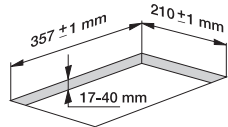
Floor box, 4 modules



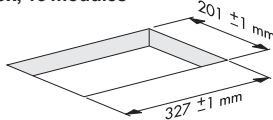
Floor box, 8 modules



Floor box, 12 modules



Floor box, 15 modules



Max. load according to EN 50085-2-2

Plastic floor box 15 modules

Small surface	Force (N)	Force (N)
Without inlay	2500	With stainless steel inlay 3000
Large surface	Force (N)	Force (N)
Without inlay	3000	With stainless steel inlay 5000

Metal floor box 4 modules

Small surface	Force (N)	Force (N)
Without inlay	3000	With stainless steel inlay 3000
Large surface	Force (N)	Force (N)
Without inlay	10000	With stainless steel inlay 10000

Metal floor box 8 modules

Small surface	Force (N)	Force (N)
Without inlay	3000	With stainless steel inlay 3000
Large surface	Force (N)	Force (N)
Without inlay	10000	With stainless steel inlay 10000

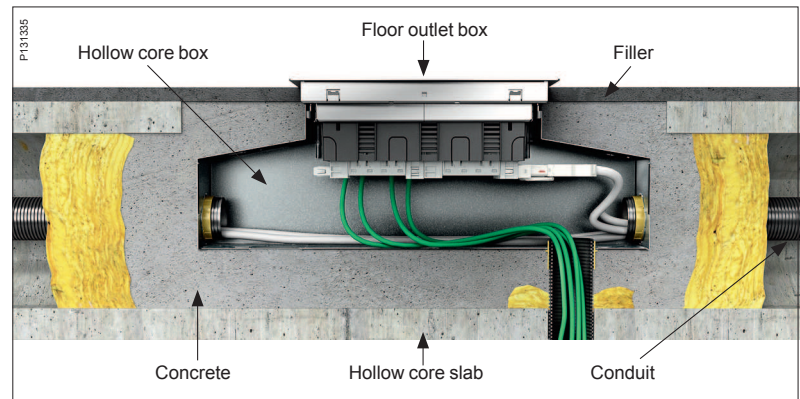
Metal floor box 12 modules

Small surface	Force (N)	Force (N)
Without inlay	3000	With stainless steel inlay 3000
Large surface	Force (N)	Force (N)
Without inlay	5000	With stainless steel inlay 10000

Metal floor box 15 modules

Small surface	Force (N)	Force (N)
Without inlay	3000	With stainless steel inlay 3000
Large surface	Force (N)	Force (N)
Without inlay	5000	With stainless steel inlay 10000

Application picture hollow core box



Installation depth

	INS60020		INS60010 INS60012 INS60014		INS60011 INS60013 INS60015		INS60034 INS60035 INS60036 INS60037		INS68104 INS68105	
	A min	B max	A min	B max	A min	B max	A min	B max	A min	B max
Steel floor box INS51045	120	72	105	88	112	80	117	105	110	—
Plastic floor box INS50045	110	62	95	78	102	70	107	95	100	—
Steel floor box INS51044	110–130	65–85	100–120	80–100	115–130	80–95	110–130	95–115	110–130	—
Steel floor box INS51043	110–130	65–85	100–120	80–100	115–130	80–95	110–130	95–115	110–130	—