



Safe and smoothly shaped for versatile use

Catalogue 2024

OptiLine Mini-trunking

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Schneider
Electric

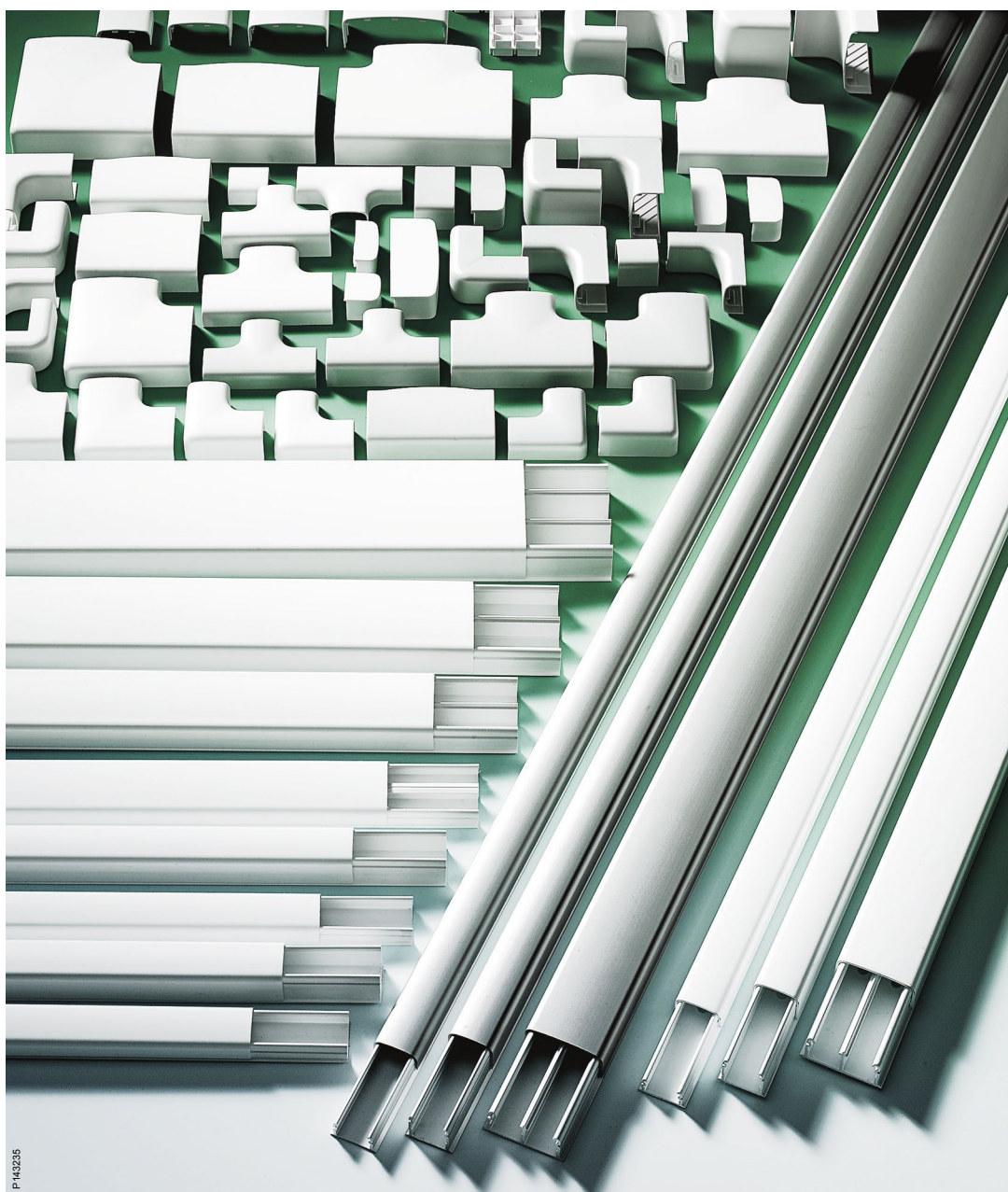
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- Fast to install
- Robust and versatile
- Stylish and safe
- IP40
- Tamper-proof
- Impact-resistant
- PVC, halogen-free PC/ABS or aluminium

OptiLine Mini-trunking

Building bricks for a customised cabling solution



With a wide range of sizes and accessories, together with elegant design in various materials, OptiLine Mini-trunking offers great opportunities to create innovative, aesthetical installations. And since the cover cannot be removed without tools, OptiLine Mini-trunking is also safe and resistant to external damage. All together, a nice-looking solution suitable at home as well as in all kinds of public and commercial buildings.



Mini-trunking with both looks and brains

The OptiLine Mini-trunking system is the result of our aim to develop an attractive, functional trunking for small installations in all kinds of environments. The smooth design in white PVC, halogen-free plastic or aluminium makes OptiLine not only nice to look at; it is also robust, versatile and durable. Together with the wide variety of sizes and accessories, OptiLine mini-trunking is the perfect choice for elegant and safe installations, even in more exposed environments.



Sustainable

OptiLine Mini-trunking is available in three materials; aluminium, lead and cadmium-free PVC or halogen-free plastic (PC/ABS). Accessories, like corners and end pieces, are made of halogen-free plastic (PC/ABS).



Highly impact-resistant

All mini-trunking is highly impact-resistant, thanks to its design and generous material thickness. The aluminium version of OptiLine offers extra strong impact-resistance. In many cases, this is an ideal substitute for unattractive sheet steel protection.



The superb finish makes OptiLine Mini-trunking resistant to humidity while providing a hygienic surface that is very easy to keep clean.



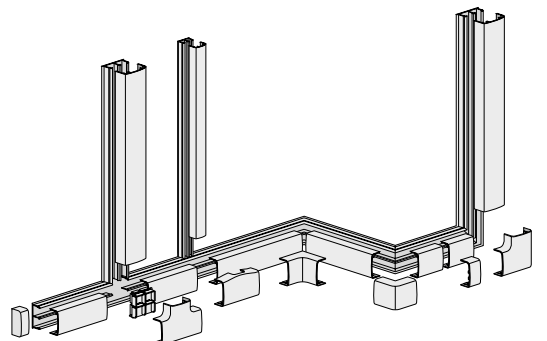
Both outdoors and indoors

Thanks to its sealed, stable design, OptiLine Mini-trunking achieves the degree of protection IP40, making it suitable for installations both outdoors and indoors. The plastic as well as the aluminium trunking offer many years of resistance to UV radiation, heat and cold. The plastic trunking is also approved for single-insulated wire outdoors.



A solution to every situation

All in all, the OptiLine Mini-trunking range includes all accessories and modules needed to create a customised solution, even when using various dimensions.



12 strong reasons to choose OptiLine Mini-trunking

1. Freedom of choice

The most comprehensive system on the market with a wide range of trunking dimensions and accessories.

2. An integrated system

OptiLine mini-trunking of different types can be joined together.

3. "Safety trunking"

Can only be opened with tools.

4. Soft design

The smoothly rounded cover surrounds the trunking base and has no joints.

5. Easy to clean

High surface finish and hidden joints.

6. Quality through and through

High-grade, UV-resistant materials.

7. Easy to handle

Both profiles are U-shaped.

8. Impact-resistant

The aluminium trunking is extra tamper-proof.

9. Cut on free hand

Accessories and joint cover pieces conceal uneven cuts.

10. Easy to install

Pre-punched screw holes or adhesive and built-in build tolerance on corners $\pm 5^\circ$ or ± 10 for adjustable corners.

11. High degree of protection

IP40 and classified for single-insulated wire.

12. Fireproof

Aluminium or self-extinguishing PVC.

Safe and smooth design – and a joy to work with

One of the most satisfying things with our job, is when we succeed in making a successful product even better. The OptiLine mini-trunking range now includes even more versions: a new dimension of the polar white two-compartment mini-trunking and a PVC-trunking in three sizes with an ingenious integrated cable retaining function.

Tamper-proof

The trunking and all its accessories use snap fitting for quick, simple installation. Removing the cover and accessories without the right tools is far more difficult; a design feature that protects the installation from tampering, especially recommended in public areas or for fibre optic and broadband cables.



Branching piece

Create a combined trunking installation by running the feed in two- or three-compartment PVC trunking. Then just connect, for example, aluminium trunking where extra impact resistance or a more exclusive impression is needed. The practical branching piece makes changes of dimensions simple.

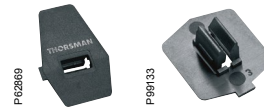
Fly-over

For installations in two- and three-compartment trunking, use the fly-over to separate power and data cables where they cross each other. The fly-over can be quickly adjusted in function by easily breaking off the partition walls.



Cable clamp

To keep the cables in place during the installation phase, cable holders are available as accessories. They are easy to snap-fit and can remain in place when the cover is fitted.



Single-insulated wire

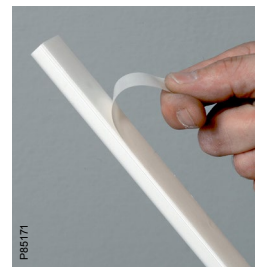
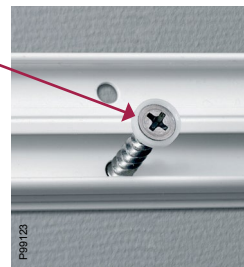
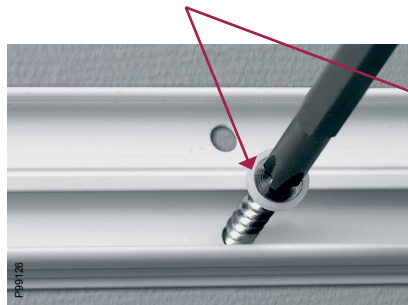
For single-insulated wires to be installed in mini-trunking, the trunking must comply with stringent regulations regarding electrical safety. The plastic versions of OptiLine Mini-trunking meet these requirements if installed with insulated screw TFT-IS (4020210).

Screws or adhesive tape

OptiLine Mini-trunking has pre-punched holes at frequent intervals to make installation easier. For low voltage installations, there are also some OptiLine Mini-trunking sizes with adhesive tape fixing. On suitable surfaces, this method is unsurpassed when it comes to making speedy installations. If you install power cables in the OptiLine Mini-trunking, you must use screws, nails, or nail plug fixings. If you install single insulated power cables, you must use insulated screw TFT-IS (4020210).

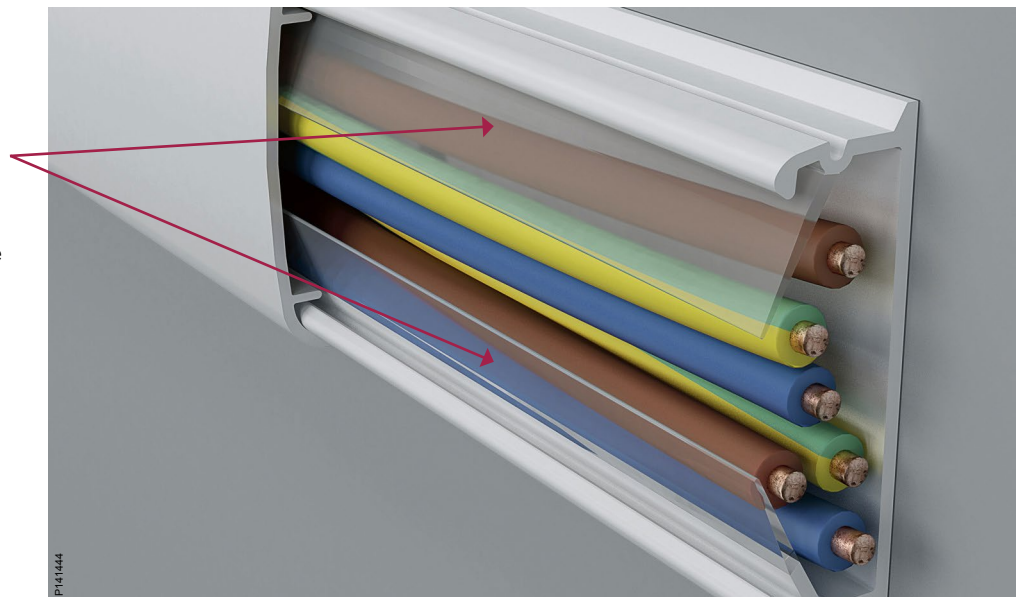
Easy to cut

The trunking and the partition walls can be cut by hand with simple tools – no need for precision. The accessories are very forgiving.



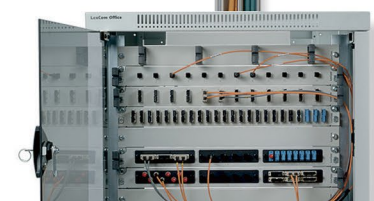
Integrated cable retainer

To simplify installation even more, the range includes three trunking sizes equipped with an integrated cable retaining function. The flexible "wings" prevent cables from falling out during installation.



Cable separation

Mixed installations in which power and data wiring is run to the same point are becoming increasingly common. This is why OptiLine mini-trunking is available with several compartments, so that the entire installation can be accommodated in one trunking.



Mini-trunking

	Type	Colour	Dimensions A/B/C (mm)		Qty per package	EAN code	Ref. No.
Aluminium mini-trunking							
Mini-trunking including base profile with one or two compartments and snap-fitted cover. With pre-punched mounting holes at 400 mm centres. Suitable for power and low voltage cables. Supplied in 2.1 m lengths (please note that the base unit for aluminium mini-trunking is pcs). Material: Aluminium, natural anodized or powder coated white.							
P83321	With one compartment	Polar white	20/12/2100		21 m	3606480683077	ISM14170P
P83322	With one compartment	Polar white	20/18/2100		21 m	3606480683084	ISM14370P
P83323	With two compartments	Polar white	35/18/2100		21 m	3606480683091	ISM14470P

Accessories

Internal corner							
Internal corner to be snap-fitted onto the mini-trunking base. Material: PC/ABS.							
P83921	For 18x20 mini-trunking	Polar white	20/45/45		10	3606480683121	ISM14301P
	For 18x35 mini-trunking	Polar white	37/45/45		10	3606480683138	ISM14401P
External corner							
External corner to be snap-fitted onto the mini-trunking base. Material: PC/ABS.							
P83922	For 18x20 mini-trunking	Polar white	22/42/42		10	3606480683183	ISM14302P
	For 18x35 mini-trunking	Polar white	37/42/42		10	3606480683190	ISM14402P
Stop end							
Stop end to be snap-fitted at the end of the mini-trunking base. Material: PC/ABS.							
P83925	For 18x20 mini-trunking	Polar white	22/15/19		10	3606480683305	ISM14304P
	For 18x35 mini-trunking	Polar white	37/15/19		10	3606480683312	ISM14404P

Accessories

P147138



Type	Colour	Dimensions A/B/C (mm)		Qty per package	EAN code	Ref. No.
DCL center device						
DCL device for luminaire, delivered with fixation base, cover, plug and socket for lamp contact and hook. Material: PC/ABS.						
DCL center device with entry 12x20 or 12x30	Polar white	48/115/115		5	3606481190208	ISM14190P

Compatible accessories, including Thorsman range products

P89119



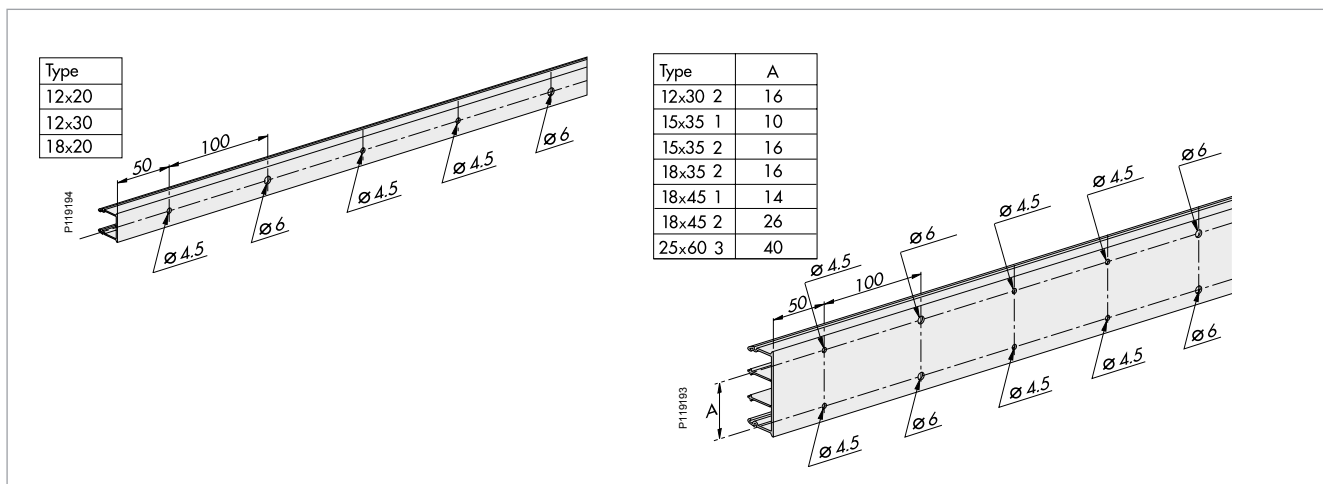
Installation screw with cup washer						
Installation screw with cross-slotted head type PH2. Sharp point, fully threaded. High pitch for quick mounting. Provided with a cup washer for screw-head protection. To be used when installing single-insulated wire in the trunking. Material: Hardened steel, electroplated, and PP.						
TFT-IS5x32	—	Ø5/32		100	7332418018203	4020210

P89051



Nail plug						
Nail plug with nail for through installation. Suitable for use in concrete, stone, lightweight concrete, expanded clay, hollow bricks and blocks, solid bricks and plasterboard. Material: PA.						
TPS-6/5x35	Clear	Ø 6/5/35		100	7315881150007	1150002

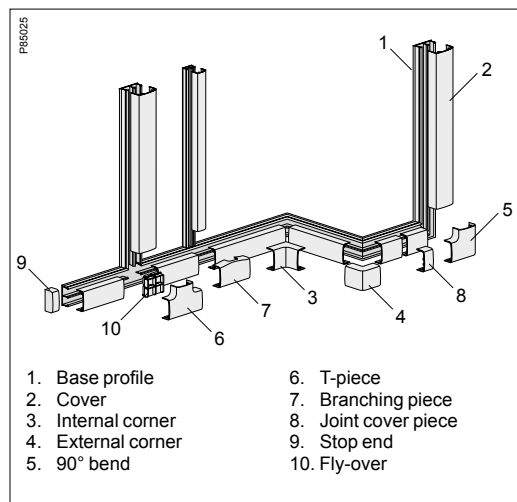
Pre-punched hole dimensions (mm)



Cable capacity

Comp.	Max. cable Ø mm	Cross section area mm²	Cable capacity mm²				Number of conductors			UTP&FTP Cat 6 Ø 6 mm
			40%	50%	60%		1,5 mm²	2,5 mm²	4 mm²	
12x20, 1 comp. 1	10	148	59	74	89		7	5	4	2
12x30, 1 comp. 1	10	190	76	95	114		10	8	6	3
12x30, 2 comp. 1	9	115	46	57	69		5	4	3	2
2	9	115	46	57	69		5	4	3	2
15x35, 1 comp. 1	12	278	111	139	166		14	10	8	5
15x35, 2 comp 1	11	164	65	82	98		7	5	4	2
2	11	164	65	82	98		7	5	4	2
18x20, 1 comp. 1	15	246	98	123	148		12	9	7	4
18x35, 2 comp. 1	12.5	201	80	100	120		9	7	5	3
2	12.5	201	80	100	120		9	7	5	3
18x45, 1 comp. 1	15	486	194	243	291		26	20	14	8
18x45, 2 comp. 1	14	278	111	139	167		13	10	7	4
2	14	278	111	139	167		13	10	7	4
25x60, 3 comp. 1	15	339	135	170	203		15	11	9	5
2	17	389	135	170	203		15	11	9	5
3	15	339	135	170	203		15	11	9	5

Exploded view



Design and dimensions (mm), material

12x20, 1 comp.	12x30, 1 comp.	12x30, 2 comp.	15x35, 1 comp.	15x35, 2 comp.	18x20, 1 comp.
Aluminium	PVC*	PVC	PVC**	PVC	Aluminium
PC/ABS*					PC/ABS*

18x35, 2 comp.	18x45, 1 comp.	18x45, 2 comp.	25x60, 3 comp.
Aluminium	PVC**	PVC	PVC
PC/ABS			PC/ABS

*Also available with bonding tape. ** Available with integrated cable retaining function.

Technical and material data

Aluminium	Surface treatment:	Natural anodized or powder coated
	Colours:	• Polar white (RAL 9003) • White (RAL 9010)
PVC	Characteristics:	Rigid, self-extinguishing, cadmium-free, lead-free
	Colours:	• Polar white (RAL 9003) • White (RAL 9010)
	Fire/smoke toxicity:	M1 acc. to French standard NF P 92501
PC/ABS	Characteristics:	Halogen-free Trunking: Self-extinguishing, cadmium-free, lead-free Access.: Cadmium-free, lead-free
	Colours:	• Polar white (RAL 9003) • White (RAL 9010) • Aluminium metallic (painted)
ABS	Characteristics:	Halogen-free
	Colours:	• Polar white (RAL 9003) • White (RAL 9010)
Delivery lengths	2.1 metres	

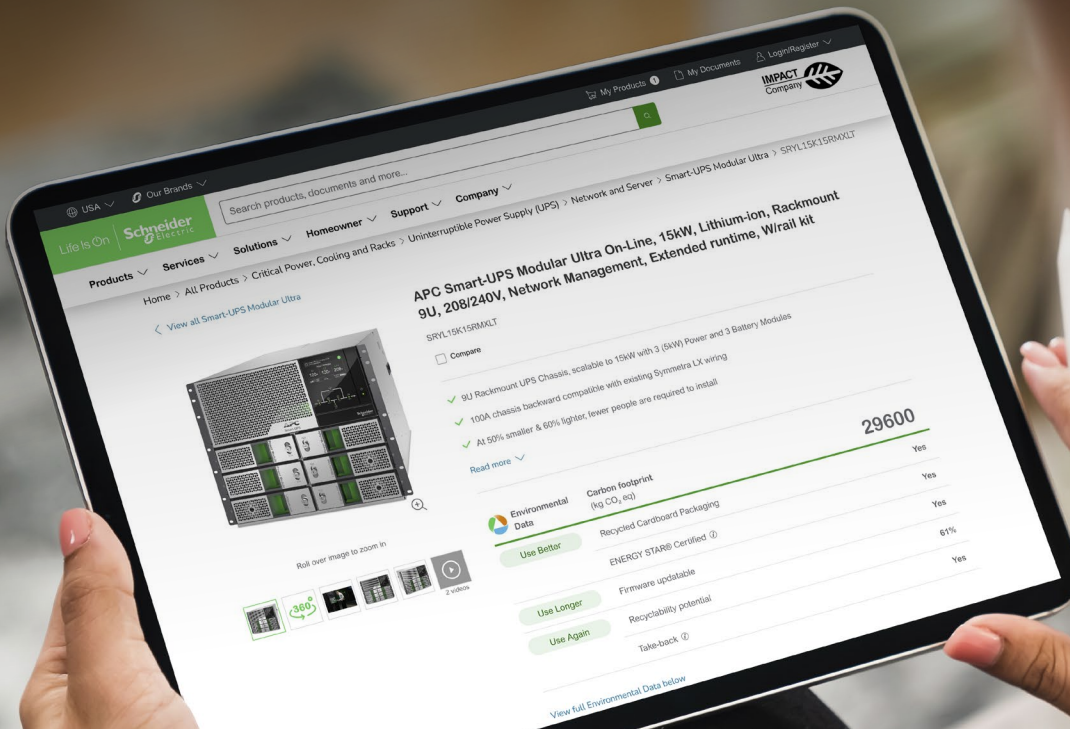
Standards and certificates

The products comply with the standards:	•EN 50085-1:2005 •EN 50085-2-1:2006
The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 98/68/EEC.	
The products comply with the RoHS directive 2002/95/EC (Restriction of Hazardous Substances)	
Classification acc. to EN 50085-1:	
6.2 Resistance to impact for installation and application	2.0 J
6.3 Min. storage and transport temperature	-25°C
6.3 Min. installation and application temp.	-5°C
6.3 Max. application temperature	+60°C
6.4 Resistance to flame propagation	Non-flame propagating
6.5 Electrical continuity characteristic	Without continuity
6.6 Electrical insulating characteristic	With electrical insulation
6.7 Degree of protection provided by encl.	IP40
6.9 System access cover retention	With a tool
6.101 Installation position	Wall-fixed
Rated Voltage	400 V AC
External mechanical impact	IK07

1150002.....	11
4020210.....	11
ISM	
ISM14170P.....	10
ISM14190P.....	11
ISM14301P.....	10
ISM14302P.....	10
ISM14304P.....	10
ISM14370P.....	10
ISM14401P.....	10
ISM14402P.....	10
ISM14404P.....	10
ISM14470P.....	10



Environmental Data Program

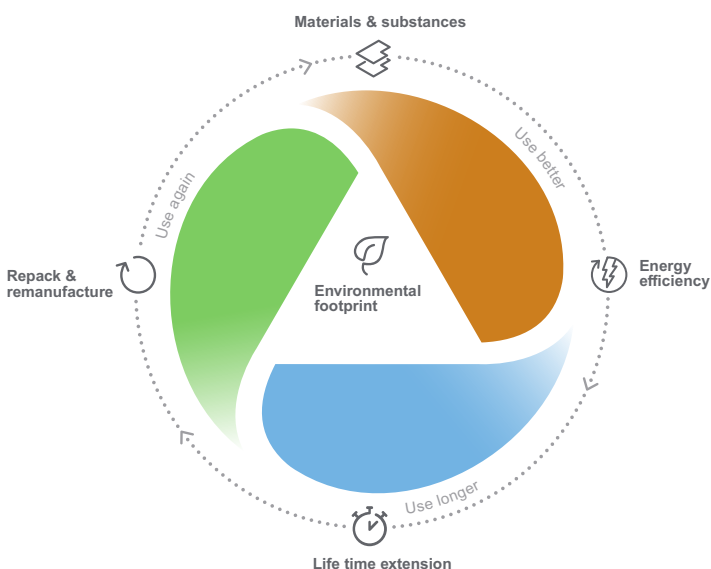


Next-level transparency for better-informed product choices

The Environmental Data Program is a framework for how we measure, categorize, and compare the environmental attributes and footprint of our products.

Using a rigorous, fact-based methodology, the program provides environmental data from across the product lifecycle.

Five data categories across the product lifecycle



Use Better: How sustainable a product is, including environmental footprint, materials and substances, packaging, and energy efficiency.

Use Longer: How a product's life time can be effectively extended in terms of reparability and updatability.

Use Again: How a product can be reused, from dismantling and remanufacturing to recyclability and manufacturer take back.

With this transparent, verified data, customers and partners are empowered to make conscious environmental choices and accurately evaluate and report on sustainability performance.

All our hardware offers have an associated environmental data available on se.com product pages.



Learn more about the
Environmental Data Program

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