



Simplicity, ergonomics,  
— and versatility  
it's all in the box

Spacial SBM  
Steel Industrial Boxes

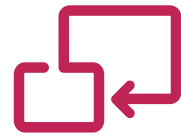
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**Schneider**  
Electric

# Don't settle for less. Demand more.

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Exclusive extension  
box for flexible  
dimension settings

## The Spacial SBM range

Spacial™ SBM is a comprehensive range of metallic boxes designed to provide outstanding value by being easier to choose, purchase, install, and use. Schneider Electric has leveraged decades of global expertise supplying rugged, quality enclosures, to produce a broad range that delivers exceptional reliability and flexibility, compared to competing offers.

Spacial SBM provides the attributes you have always thought first-class automation enclosures should have – great performance, so you can enjoy maximum peace of mind, combined with the end-to-end ease of use and efficiency you need to save time, reduce effort, and cut costs.



FL21 cable entry compliant

## Engineered for your business

**Ergonomic** – extension box and accessories for easy component installation and adjustment

**Universal** – worldwide FL21 cable entry compliant for seamless and easy connections

**Compatible** – easy to use, simple to install thanks to compatibility with many existing boxes and their accessories

**Extensive** – the industry's largest combination of dimensions, with 42 varieties in the catalog

**Durable** – attractive and tough design for protection of your most sensitive electronics

**Dependable** – reliable delivery worldwide to get you up and running on schedule



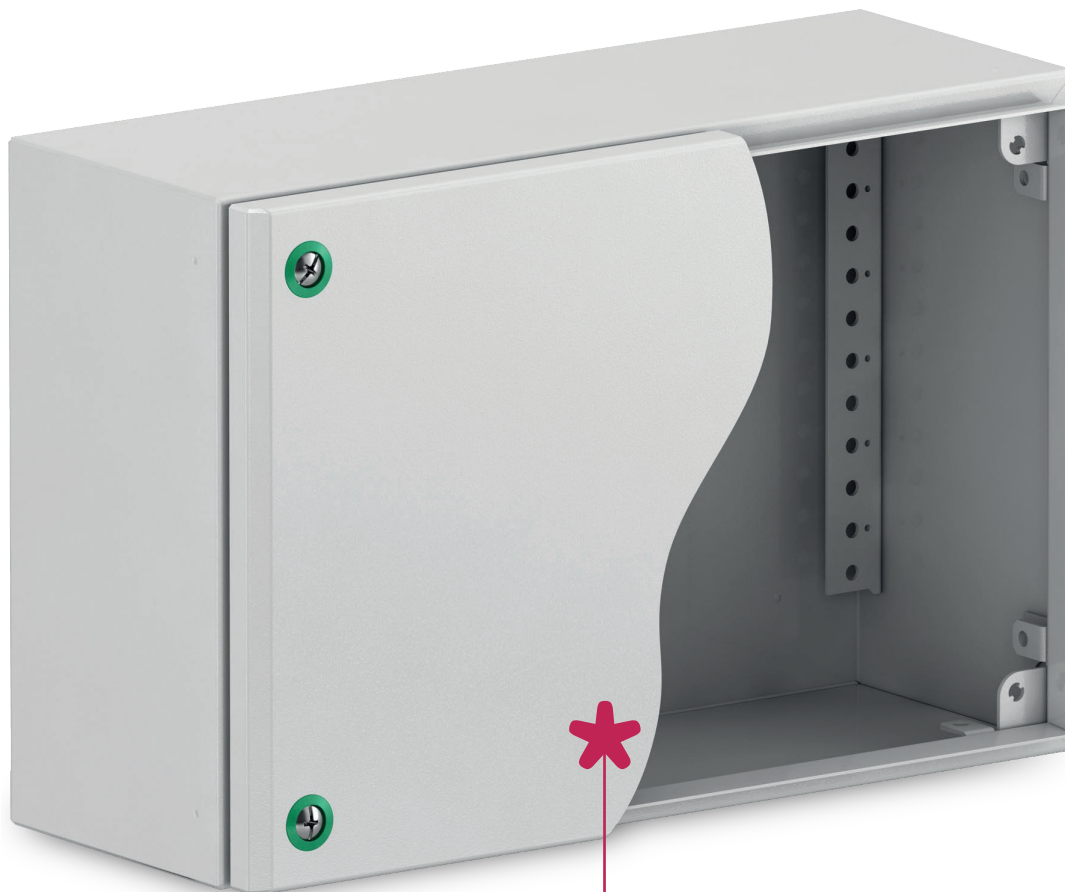
42 sizes  
available



# Designed to match your workflow

## Everything you need

The Spacial SBM range is ideal for use in a diverse range of industrial machine and building functions. It offers the best performance in its class and is the result of forward-thinking design and meticulous manufacturing quality that you can count on.



### Spacial SBM advantages

#### Protection

IP 66 or IP 55:  
UL type 4, 4X across  
the range

#### Selection

80mm and 120mm  
depths available, with  
or without pre-built  
FL 21 cable entries

#### Strength

Rated up to IK 10

#### Ease of use

Install with just  
a screwdriver

#### Modularity

Straightforward  
range of widths,  
heights and depths

## When the going gets tough – Spacial SBM is there

The Spacial SBM range is ready to deliver the protection you need in the industry's most challenging applications.

- 45 different boxes in plain versions, entry plate versions, and a BUS version with a transparent door and entry plates are available
- 42 dimensions available resulting from 28 standard dimensions combined with exclusive extension boxes
- Industrial boxes with pre-built FL21 cable entries
- Steel enclosures, protected inside and outside with polyester paint in RAL 7035 grey
- Polyurethane sealing gasket applied throughout the range
- Multiple installation accessories

# All in the box: anytime, anywhere

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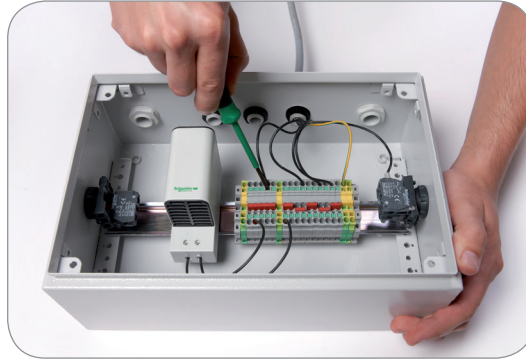
## Outstanding convenience, availability, and support – all in one place

Spacial SBM are supported by Schneider Electric whose world-wide reach offers a wide variety of value-added benefits that include:

- All the quality, availability, and expertise you need from a single, trusted supplier
- World-wide availability from a local dealer near you
- Competitive pricing and financial terms
- Logistical and after sales support to minimise your challenges and maximise your profitability

## One-stop solution

At Schneider Electric, we provide the full solution for your industrial boxes with all the required accessories, such as a mounting plate, or specially designed extension boxes.



Easy component installation and adjustment

## Customization

For installations where you need more than a standard solution, trust Schneider Electric to build a flexible enclosure solution that fits your needs:

- For easy implementation that is specific to your industrial process
- To cut your production time and reduce logistics constraints
- To blend in with the aesthetics and ergonomics of your equipment
- For total confidence in the quality of your customized enclosure solution

## Choose the leader

For decades, Schneider Electric has designed, engineered, and manufactured innovative electrical distribution solutions for customers around the world.

Our acknowledged leadership in energy management and power protection has resulted in an unparalleled portfolio of high-quality products trusted for use in demanding applications.

# Steel industrial boxes



	Spacial SBM Flat box	Spacial SBMC FL21 Entry box	Spacial SBMB Bus box
	Box with plain faces.	Equipped with two or more FL21 cable gland plates.	Equipped with FL 21 cable gland plates, a hinged cover with a transparent polycarbonate window and a DIN rail.
	<b>Box body</b> Single-piece body (rectangular structure). Front design incorporating folded gutters. Flat rear. 2 (or 3*) drilled profiles for installing mounting plates and DIN rails, with fixing centers of 12.5 mm. 2 or more FL21 cable gland plates (1) for easy drilling and to guarantee the maximum access area, delivered with the enclosure.		
	<b>Box cover</b> Equipped with 2, 3, 4 or 6 half-turn thread screws, according to the version (2) to ensure maximum watertightness. Bus boxes equipped with cover hinges for a comfortable 180° door opening. Polyurethane sealing gasket.		
	<b>Protection of personnel</b> Earth connection mandatory for all boxes: Spacial SBM steel boxes are equipped with a M6 x 16 earth stud welded in the cover, to be linked with the body for equipotential connection. Earth braid to be ordered separately (Ø 6.4 mm terminal).		
Material	Sheet steel		
Finish	Structured		
Color	RAL 7035 grey		
Ingress protection rating	IP66		IP55
Mechanical protection rating	IK10		IK08
Standard	Compliance with enclosure standard IEC 62208 and the RoHS directive		
Certifications	<ul style="list-style-type: none"> <li>UL, BV, DNV, LR, GL</li> <li>NEMA type 4, 4X according to UL 508A standard</li> <li>Fire class: M0</li> </ul>	<ul style="list-style-type: none"> <li>UL, BV, DNV, LR, GL</li> <li>NEMA type 12, 12K according to UL 508A standard</li> <li>Fire class: M0</li> </ul>	
Installation	<b>Indoor installation</b> Direct wall-mounting (4 x Ø 10 mm holes with sealing plugs to maintain the IP rating) or with the help of fixing lugs installed from the outside (to be ordered separately, see the specific accessory pages). Distance between fixing holes enables the installation of the box in the same locations as many existing enclosures. Marks on the rear of the box locate the fixing points of obsolete Schneider Electric models. Marks on the sides help with drilling the body to install hinges		
	<b>Outdoor installation</b> Compliant with IEC 62208 regarding type tests specified in §9.12 (resistance to ultra-violet (UV) radiation) and §9.13 (resistance to corrosion). It is always advisable to place the box under shelter to avoid water stagnation on the upper part of the enclosure		
Maximum load	Loading capacity on the body: 50 kg/m²		
Other characteristics	<b>Vibration constraints</b> Specific construction of the Spacial SBM - Single-piece body (rectangular structure). The rear is flat without added parts - this ensures compliance with certain vibration constraints. The tests were conducted according to the marine application by "Det Norske Veritas". Boxes labelled "DNV" have undergone these tests and obtained classification "A"		

\* 3 profiles for width 800 mm.

(1) Only on Entry boxes and Bus boxes.

(2) 2 for Bus box (3 screws for width greater than 400 mm), 4 for Flat and Entry boxes (6 screws for width greater than 400 mm).

# Steel industrial boxes



Dimensions			Cover screws (1)	Flat box	FL21 entry box	Bus box
Height (mm)	Width (mm)	Depth (mm)	Qty	SBM	SBMC	SBMB
150	150	80	4	NSYSBM15158		
		120	4	NSYSBM151512		
	200	80	4	NSYSBM15208		
		120	4	NSYSBM152012		
	300	80	4	NSYSBM15308		
		120	4	NSYSBM153012	NSYSBMC153012	
	400	80	4	NSYSBM15408		
		120	4	NSYSBM154012	NSYSBMC154012	
200	200	80	4	NSYSBM20208		
		120	4	NSYSBM202012		
	300	80	4	NSYSBM20308		
		120	4	NSYSBM203012	NSYSBMC203012	NSYSBMB203012
	400	80	4	NSYSBM20408		
		120	4	NSYSBM204012	NSYSBMC204012	NSYSBMB204012
	500	80	6	NSYSBM20508		
		120	6	NSYSBM205012		
	600	80	6	NSYSBM20608		
		120	6	NSYSBM206012	NSYSBMC206012	NSYSBMB206012
300	800	120	6	NSYSBM208012	NSYSBMC208012	NSYSBMB208012
	300	120	4	NSYSBM303012	NSYSBMC303012	
	400	120	4	NSYSBM304012	NSYSBMC304012	
	500	120	6	NSYSBM305012		
	600	120	6	NSYSBM306012	NSYSBMC306012	
400	800	120	6	NSYSBM308012	NSYSBMC308012	
	400	120	4	NSYSBM404012	NSYSBMC404012	
	500	120	6	NSYSBM405012		
	600	120	6	NSYSBM406012	NSYSBMC406012	
	800	120	6	NSYSBM408012	NSYSBMC408012	
Supply						
				1	1	1

(1) For Bus box, divide by 2.



(2) Not compatible with Bus box.  
 (3) Standard equipped in Bus box.  
 \* Same reference for all dimensions. Only compatible with FL21 entry box and Bus box.  
 \*\* Same reference for all dimensions.

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Discover how to quote, build and order your optimal steel industrial box solutions, including **Spacial SBM** and all required accessories, every time with Spacial.pro software.

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