Steel industrial boxes
Introduction

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

PB502109



PB502112



Selection
- 3 versions: flat box (SBM), entry box (SBMC) and bus box (SBMB).
- 80 mm and 120 mm depth.
- FL21 cable entries available according to the version.

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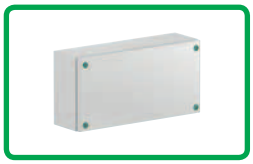

Sturdy and good ingress protection
- Mechanical protection rating up to IK10.
- Ingress protection rating up to IP66.

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Added value to your work
- Quality and aesthetics.

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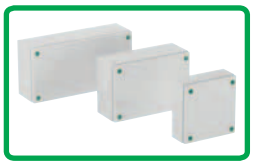

Modularity
- 28 sizes available.
- Up to 42 sizes possible thanks to the optional Extension box accessory.

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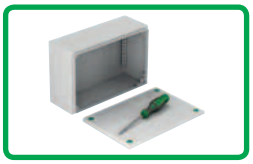

Ergonomics
- Cover opening and accessory mounting with just a screwdriver.
- Better accessibility thanks to the Extension box accessory.

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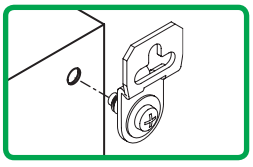


Easy installation
- Direct fixing though the rear.
- Mounting with versatile external lugs.

Configured

Optimisation of your time with our customisation services which provide the enclosure in your required colour with the cut-outs you want. Please consult us.

Steel industrial boxes
Characteristics







	Spacial SBM Flat box	Spacial SBMC Entry box	Spacial SBMB Bus box
Description	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.
	Box body 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 centres 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. **Box cover** Equipped with 2, 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. **Protection of personnel** 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		
Colour	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, BV, DNV, LR, GL. Nema Type 4, 4X according to UL 508A standard. Fire class: M0.	UL, BV, DNV, LR, GL. Nema Type 12, 12K according to UL 508A standard. Fire class: M0.	
Installation	**Outdoor installation** 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. **Indoor installation** 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.		
Maximum load	Loading capacity on the body: 50 kg/m².		
Other characteristics	**Vibration constraints** 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".		

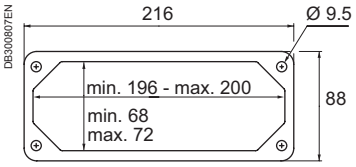
** 3 profiles for width 800 mm.*
(1) Only on Entry boxes and Bus boxes.
(2) 2 for Bus box, 4 for Flat and Entry boxes (6 screws for width greater than 500 mm).

Steel industrial boxes
Dimensions

External dimensions and cable gland plate availability

Box			Extension box	FL21 cable gland*	
Height (mm)	Width (mm)	Depth (mm)	Total depth (mm)	Along Height (mm)	Width (mm)
150	150	80			
		120			
	200	80			
		120			
	300	80			
		120			1+1
	400	80			
		120			1+1
200	200	80	160		
		120	200		
	300	80	160		
		120	200		1+1
	400	80	160		
		120	200		1+1
	500	80	160		
		120	200		
	600	80	160		
		120	200		2+2
	800	120			2+2
300	300	120	200	1+1	1+1
	400	120	200	1+1	1+1
	500	120	200		
	600	120	200	1+1	2+2
	800	120		1+1	2+2
400	400	120		1+1	1+1
	500	120			
	600	120		1+1	2+2
	800	120		1+1	2+2

** Only on SBMB and SBMC boxes.*



Steel industrial boxes
Dimensions

External fixing of the box and mounting accessories

Box		Fixing			Mounting					
Height (mm)	Width (mm)	Ah (mm)	Bh (mm)	Bw (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
150	150	22	106	106	125	-	12.5	85	85	-
	200	22	106	156	175	-	12.5	85	135	-
	300	22	106	256	275	-	12.5	85	235	-
	400	22	106	356	375	-	12.5	85	335	-
200	200	22	156	156	175	-	12.5	135	135	-
	300	22	156	256	275	-	12.5	135	235	-
	400	22	156	356	375	-	12.5	135	335	-
	500	22	156	456	475	-	12.5	135	435	200
	600	22	156	556	575	-	12.5	135	535	250
	800	22	156	756	775	387.5	12.5	135	735	350
300	300	22	256	256	275	-	12.5	235	235	-
	400	22	256	356	375	-	12.5	235	335	-
	500	22	256	456	475	-	12.5	235	435	200
	600	22	256	556	575	-	12.5	235	535	250
	800	22	256	756	775	387.5	12.5	235	735	350
400	400	22	356	356	375	-	12.5	335	335	-
	500	22	356	456	475	-	12.5	335	435	200
	600	22	356	556	575	-	12.5	335	535	250
	800	22	356	756	775	387.5	12.5	335	735	350

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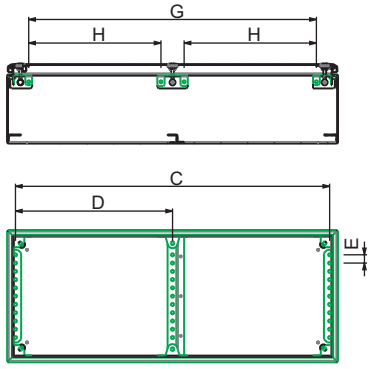
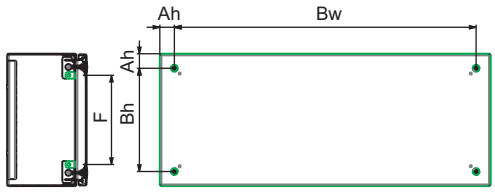
Section A-A



Section B-B



Steel industrial boxes
Selection guide



Nominal dimensions			Cover screws (4)	Flat box	Entry box	Bus box	Extension box (1)	Mounting plate
Supply			1	1	1	1	1	1
Height (mm)	**Width (mm)**	**Depth (mm)**	**Qty**	**SBM**	**SBMC**	**SBMB**		
150	150	80	4	**NSYSBM15158**				**NSYMM11SB**
		120	4	**NSYSBM151512**				**NSYMM11SB**
	200	80	4	**NSYSBM15208**				**NSYMM12SB**
		120	4	**NSYSBM152012**				**NSYMM12SB**
	300	80	4	**NSYSBM15308**				**NSYMM13SB**
		120	4	**NSYSBM153012**	**NSYSBMC153012**			**NSYMM13SB**
	400	80	4	**NSYSBM15408**				**NSYMM14SB**
		120	4	**NSYSBM154012**	**NSYSBMC154012**			**NSYMM14SB**
200	200	80	4	**NSYSBM20208**			**NSYAES228SB**	**NSYMM22SB**
		120	4	**NSYSBM202012**			**NSYAES228SB**	**NSYMM22SB**
	300	80	4	**NSYSBM20308**			**NSYAES238SB**	**NSYMM23SB**
		120	4	**NSYSBM203012**	**NSYSBMC203012**	**NSYSBMB203012**	**NSYAES238SB**	**NSYMM23SB**
	400	80	4	**NSYSBM20408**			**NSYAES248SB**	**NSYMM24SB**
		120	4	**NSYSBM204012**	**NSYSBMC204012**	**NSYSBMB204012**	**NSYAES248SB**	**NSYMM24SB**
	500	80	6	**NSYSBM20508**			**NSYAES258SB**	**NSYMM25SB**
		120	6	**NSYSBM205012**			**NSYAES258SB**	**NSYMM25SB**
	600	80	6	**NSYSBM20608**			**NSYAES268SB**	**NSYMM26SB**
		120	6	**NSYSBM206012**	**NSYSBMC206012**	**NSYSBMB206012**	**NSYAES268SB**	**NSYMM26SB**
	800	120	6	**NSYSBM208012**	**NSYSBMC208012**	**NSYSBMB208012**		**NSYMM28SB**
300	300	120	4	**NSYSBM303012**	**NSYSBMC303012**		**NSYAES338SB**	**NSYMM33SB**
	400	120	4	**NSYSBM304012**	**NSYSBMC304012**		**NSYAES348SB**	**NSYMM34SB**
	500	120	6	**NSYSBM305012**			**NSYAES358SB**	**NSYMM35SB**
	600	120	6	**NSYSBM306012**	**NSYSBMC306012**		**NSYAES368SB**	**NSYMM36SB**
	800	120	6	**NSYSBM308012**	**NSYSBMC308012**			**NSYMM38SB**
400	400	120	4	**NSYSBM404012**	**NSYSBMC404012**			**NSYMM44SB**
	500	120	6	**NSYSBM405012**				**NSYMM45SB**
	600	120	6	**NSYSBM406012**	**NSYSBMC406012**			**NSYMM46SB**
	800	120	6	**NSYSBM408012**	**NSYSBMC408012**			**NSYMM48SB**

(1) Not compatible with Bus box.
(2) Standard equipped in Bus box.
(3) Only compatible with Entry box and Bus box.
(4) For Bus box, divide by 2.

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Selection guide



	DIN rail (2)	Coupling kit (3)	Post fastening	Fixing lugs	Self-tapping screws	Hinges	Double-bar screw	Triangle screw	Sealing kit
	10	1	1	14	100	6	4	4	1
	NSYAMRD15357SB	NSYAEUBU148	NSYSFPSC15	NSYAEFPFSB	NSYAMFSB	NSYAEDHSB	NSYAEDSBSB	NSYAEDSTSB	NSYPPSB
	NSYAMRD15357SB		NSYSFPSC15						
	NSYAMRD20357SB		NSYSFPSC20						
	NSYAMRD20357SB		NSYSFPSC20						
	NSYAMRD30357SB		NSYSFPSC30						
	NSYAMRD30357SB		NSYSFPSC30						
	NSYAMRD40357SB		NSYSFPSC40						
	NSYAMRD40357SB		NSYSFPSC40						
	NSYAMRD20357SB		NSYSFPSC20						
	NSYAMRD20357SB		NSYSFPSC20						
	NSYAMRD30357SB		NSYSFPSC30						
	NSYAMRD30357SB		NSYSFPSC30						
	NSYAMRD40357SB		NSYSFPSC40						
	NSYAMRD40357SB		NSYSFPSC40						
	NSYAMRD50357SB		NSYSFPSC50						
	NSYAMRD50357SB		NSYSFPSC50						
	NSYAMRD60357SB		NSYSFPSC60						
	NSYAMRD60357SB		NSYSFPSC60						
	NSYAMRD80357SB		NSYSFPSC80						
	NSYAMRD30357SB		NSYSFPSC30						
	NSYAMRD40357SB		NSYSFPSC40						
	NSYAMRD50357SB		NSYSFPSC50						
	NSYAMRD60357SB		NSYSFPSC60						
	NSYAMRD80357SB		NSYSFPSC80						
	NSYAMRD40357SB		NSYSFPSC40						
	NSYAMRD50357SB		NSYSFPSC50						
	NSYAMRD60357SB		NSYSFPSC60						
	NSYAMRD80357SB		NSYSFPSC80						