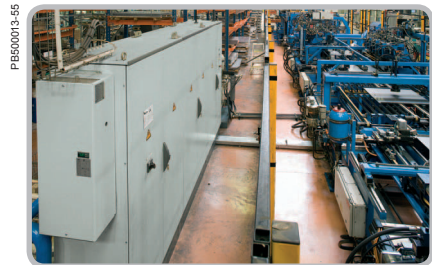


Industry and infrastructure offer

A material for every environment



The Spacial range in steel (wall-mounting, monobloc and suitable floor-standing enclosures).



The Spacial range in stainless steel (wall-mounting, monobloc and suitable floor-standing enclosures).



The Thalassa range (boxes, wall-mounting and floor-standing enclosures).



The Thalassa PHD and Spacial S3HD and SFHD ranges (wall-mounting and floor-standing).



ClimaSys Thermal Management

Spacial metal enclosures and boxes > Steel

Indoor non-clean industrial environment

The industrial environment in mechanical plants is especially demanding as regards the protection of electric and electronic components against dust, splashing with oil and impacts. This environment therefore requires a range that is suited to the applications and easy to implement.

- **Standard range**, for industry.
- **E.M.C. range**, against electromagnetic disturbances (treated with Aluzinc).
- **Range of ATEX enclosures**, for potentially explosive atmospheres.

> 304L - 316L stainless steel

Demanding industrial environment

Food and beverage, pharmaceutical, petrochemical and infrastructure industries are particularly demanding in terms of hygiene and resistance to corrosion. With two grades of stainless steel:

- **304L stainless steel**: Resistance to corrosion and cleanability (often used in food production environments).
- **316L stainless steel, also known as "marine stainless steel"**: Very high resistance to corrosion (saline or chlorinated environment).
- **Range of ATEX enclosures**, for potentially explosive atmospheres.

Thalassa insulating enclosures

> Insulating polyester and plastic materials (ABS, polycarbonate)

Infrastructures and industrial environments

Outdoor infrastructures and electrical installations are exposed to direct sunlight, rain, saline mist, extreme temperatures, oil splashes, chemical and corrosive agents.

- **Standard range**, for industry and infrastructures.
- **Range of ATEX enclosures**, for potentially explosive atmospheres.

> Heavy duty materials

Severe outdoor environments, generally requested by OEMs, telecom, water treatment and transportation

- Polyester Heavy Duty is suitable for outdoor public areas thanks to its multiple virtues:
 - pressure and shock resistant (IEC 61439-5: 2010),
 - anti-posting thanks to its special ribbed-surface door,
 - insulated (ready to be Class II according to IEC 61439-1: 2011).
- Steel Heavy Duty enclosures are designed for outdoor private areas:
 - they are engineered to resist aggressive environments (anti-corrosion certification class C4H, ISO 12944:1999).

> ClimaSys Thermal Management

Preserving and keeping the right temperature inside your enclosure is vital for maximizing the lifetime of your installed devices.

With our ClimaSys offer you can find the right solution, be it ventilation, cooling or heating, including control units for temperature, humidity and much more.

Spacial offers overview

	Steel	Stainless-steel	Insulating materials
Boxes	PSB00198-13 PSB003351-20 PSB000098-16 PSB000071-24 PSB000075-20 SDB Derivation boxes and small enclosures SBM Steel industrial boxes • SBMC FL21 Entry box • SBMB Bus box Characteristics • From 85 x 85 x 49 to 400 x 800 x 120 mm • IP55 or IP66 • Up to IK10 PLS Insulating modular boxes TBP Polycarbonate industrial boxes TBS ABS industrial boxes Characteristics • From 74 x 74 x 54 to 540 x 720 x 230 mm • Up to IP66 • Up to IK09		
Wall-mounting	PSB000098-64 PSB000071-42 PSB000075-20 PSB001325SE-30 S3DC Wall-mounting steel • S3D 19" enclosures CRN Wall-mounting steel • CRN 19" enclosures • S3DB Terminal enclosures • S3DBFL Terminal enclosures with FL21 cut-out • S3DM Distribution modular enclosures • VDM 19" enclosures • S3DEX Potentially explosive atmospheres • S3HF Electromagnetic compatibility • S3D 6G, S3D 6G K3 Seismic and nuclear enclosures Characteristics • From 300 x 200 x 150 to 1400 x 1000 x 300 mm • Up to IP66 • Up to IK10 New S3X Wall-mounting • S3XEX Potentially explosive atmospheres Characteristics • From 300 x 200 x 150 to 1400 x 1000 x 300 mm • Up to IP66 • Up to IK10	PSB001472E-20 PSB001325SE-30 PSB001325SE-30 PLM Wall-mounting polyester • PLMEX Potentially explosive atmospheres Characteristics • From 308 x 215 x 160 to 1056 x 852 x 350 mm • Up to IP66 • Up to IK10	
Floor-standing	PSB000067-42 PSB000071-42 PSB001325SE-44 SM Floor-standing compact • SMHF Electromagnetic compatibility SF Floor-standing suitable • Electronic application • Automobile application • SFM Motor control centers • SFP Prisma application • SFHF Electromagnetic compatibility • SF 5G, SFP 5G Seismic and nuclear enclosures Characteristics • From 1200 x 600 x 300 to 2200 x 1600 x 800 mm • IP55 • Up to IK10 New SMX Floor-standing monobloc SFX Floor-standing suitable Characteristics • From 1200 x 600 x 300 to 2200 x 1600 x 800 mm • IP66 • Up to IK10	PSB000071SE-44 PSB000071SE-44 PSB000071SE-44 PLA Floor-standing polyester enclosures PLD Floor-standing DIN polyester enclosures Characteristics • From 500 x 500 x 320 to 1500 x 1250 x 420 mm • Up to IP65 • Up to IK10	
Outdoor	PSB002068-21 PSB002063-21 PSB002063-21 S3HD Wall-mounting Heavy Duty enclosures SFHD Floor-standing Heavy Duty enclosures Spacial S3HD and SFHD are engineered to resist aggressive environments (anti-corrosion certification class C4 H, ISO 12.944). Options Ventilated plinths, roof ventilation module, slim fanbox, Heavy Duty fixings. Why should I choose it? Designed to resist in outdoor private areas. Characteristics • From 300 x 200 x 180 to 2000 x 800 x 630 mm • Up to IP66 • IK10 New PHD Polyester Heavy Duty enclosures Thalassa PHD has multiple virtues: • pressure and shock resistant (IEC 61439-5), • anti-posting thanks to its special front door, • insulated (Class II). Options Anti-burglary accessory, ventilated plinths, roof ventilation module, slim fanbox. Why should I choose it? Suitable for harsh environments in outdoor public areas. Characteristics • From 500 x 500 x 320 to 2000 x 750 x 420 mm • Up to IP65 • IK10 New		

Interface	S3CM Control enclosures with suspension system SD Compact control desks SDF Control desks with console SF PC rack	SDX Control desk SMX PC rack

ClimaSys	CV Ventilation Systems CA Natural airing	CE Exchangers CU Cooling Units	CC Thermal Control CR Resistance Heaters

Thalassa offers overview

Accessories		Project & Services		Spare Parts	
Mounting	Power distribution Cable management	Configured offer Adapted services: cut-outs, painting, assemblies... Specific offer The co-development service tailor-made for you	Fixing hardware		

Details and technical datasheets available on schneider-electric.com

softwares

Universal Enclosures Visual Configurator

Universal Enclosures Visual Configurator

Digital Rules Enclosures selector

ProClima Thermal calculation software

Spacial.conf Services configurator

The customized solutions

Over 50 years of experience, knowledge and expertise to have the best enclosure solution that meets your needs.

Two offer levels to cover your different requirements



Configured:
the enriched standard offer

Feasibility automatically determined by the configurator software Spacial. conf, which gives you autonomy and flexibility to quickly define your customized enclosure.

Committed delivery date.



Specific:
the co-developed offer

Special dimensions, accessories and logistic needs. You participate in the whole development process of your "Tailor-made" solution.

According to co-developed specifications.

	Steel	Stainless steel	Insulating material
Boxes	●○	○	●○
Wall-mounting	●○	●○	●○
Compact floor-standing	●○	●○	●○
Modular floor-standing	●○	●○	●○

● Configured offers ○ Specific offers



Quality improved

- No burrs on edges of cut-outs
- Optimized machining tolerances



Aesthetics

- Large choice of colors
- External surfaces with no scratches



Higher performances

- Adapted thermal management
- Upgraded stainless steel type



Installation simplified

Enclosures delivered with cut-outs: you don't need special tools



Time saving

Delivered with cut-outs & painting: no waste of time



Logistics

- Flexible management of your logistic option (scheduled delivery service for on-going orders)
- Special packaging



Ergonomic design

Customized project dedicated to your personal concern



Life time increased

- Cut-outs done before painting enables better anti-corrosion/sealing
- Painting service for better protection

Classification

Enclosure selection according to IP Protection Degrees

Name	Range	IP40	IP41	IP42	IP43	IP44	IP54	IP55	IP65	IP66
Metal industrial boxes	Spacial SBM							●(4)		●(4)
Metal derivation boxes	Spacial SDB							●(1)		●
Steel wall-mounting enclosures	Spacial S3D							●(1)		●
	Spacial CRN									●
Steel modular distribution wall-mounting enclosures	Spacial S3DM									●
Terminal wall-mounting enclosures	Spacial S3DB									●
Steel wall-mounting enclosures	Spacial S3HF							●		
EMC steel floor-standing enclosures	Spacial SMHF/Spacial SFHF							●		
HMI control enclosures	Spacial S3CM						●			
ATEX steel wall-mounting enclosures	Spacial S3DEX									●
Steel outdoor wall-mounting enclosures	Spacial S3HD									●
Stainless-steel wall-mounting enclosures	Spacial S3X							●(1)		●
ATEX stainless-steel wall-mounting enclosures	Spacial S3XEX									●
Seismic and nuclear enclosures	Spacial S3D6G / Spacial S3D6GK3								●	
Terminal enclosures with FL21 cut-out	Spacial S3DBFL								●(7)	
Steel floor-standing enclosures	Spacial SM							●		
Steel suitable enclosures	Spacial SF							●		
Steel outdoor floor-standing enclosures	Spacial SFHD							●		
Stainless-steel floor-standing enclosures	Spacial SMX							●		
Stainless-steel suitable enclosures	Spacial SFX							●		
Steel control desks	Spacial SD							●		
Stainless-steel control desks	Spacial SDX							●		
Thermoplastic industrial boxes	Thalassa TBS-TBP							●(5)		●(6)
Polyester modular boxes	Thalassa PLS								●	
Polyester wall-mounting enclosures	Thalassa PLM									●
Polyester outdoor wall-mounting enclosures	Thalassa PHD								●	
ATEX polyester wall-mounting enclosures	Thalassa PLMEX									●
Polyester floor-standing enclosures	Thalassa PLA (2)					●	●		●	
Polyester outdoor floor-standing enclosures	Thalassa PHD							●		

(1) Double door.
(2) Different IP depending on the version. See introduction in Thalassa section: PLA: IP65, PLAT / PLAZT: IP44, PLAZ / PLAT / PLAZT with grille: IP54.
(3) With gasket.
(4) Different IP depending on the version: Spacial SBM flat box: IP66 - Spacial SBMC FL21 entry box and Spacial SBMB Bus box: IP55.
(5) Button boxes.
(6) Universal boxes.
(7) With membrane mounted.

Enclosure selection according to NEMA/UL Classifications

Enclosures		Type of protection (1)												
Name	Range	1	2	3	3R	3S	4	4X	5	6	6P	12	12K	13
Steel wall-mounting enclosures	S3D (1)	●	●(3)	●(3)	●(3)		●(3)	●(3)					●(4)	
	CRN	●	●(3)	●(3)	●(3)		●(3)		●(3)			●		●
	S3HF	●	●	●	●							●		●
Steel outdoor wall-mounting enclosures	S3HD	●(3)	●(3)	●(3)	●(3)		●(3)	●(3)	●(3)			●(3)		●(3)
Stainless-steel wall-mounting enclosures	S3X (2)	●	●(3)	●(3)	●(3)		●(3)	●(3)	●(3)			●	●(4)	●(3)
Steel floor-standing enclosures	SM	●	●(3)	●(3)	●(3)		●(3)	●(3)	●(3)			●		
Polyester outdoor wall-mounting enclosures	PHD	●	●	●	●		●(3)	●(3)	●			●		●
Steel suitable enclosures	SF	●	●	●	●							●		●
Steel outdoor floor-standing enclosures	SFHD	●	●	●	●		●(3)	●(3)	●(3)			●		●
Stainless-steel floor-standing enclosures	SMX	●	●(3)	●(3)	●(3)		●(3)	●(3)	●(3)			●		●
Thermoplastic boxes	TBP	●	●	●	●	●	●	●	●			●		●
Polyester modular boxes	PLS	●	●	●	●	●	●	●	●			●		●
Polyester wall-mounting enclosures	PLM	●	●	●	●	●	●(3)	●(3)	●(3)			●		●
Polyester floor-standing enclosures	PLA	●	●	●(3)	●(3)	●(3)	●(3)	●(3)	●(3)			●		●

(1) Also S3DM, S3DEX, S57 and S3DC.
(2) Also S3XEX.
(3) 1 door.
(4) 2 doors.

Components		Type of protection (4)												
Name	Range	1	2	3	3R	3S	4	4X	5	6	6P	12	12K	13
Ventilation system	CV											●	●	
Thermal regulation system	CC											●	●	

(4) In some ranges the classification depends on the model and version. The detailed protection types are indicated in the UL certifications.

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Universal enclosures

Protection for your equipment

