

Life Is On

Schneider
Electric



Thalassa polyester enclosures

Provide durable protection



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Thalassa insulating wall-mounting enclosures

> Monobloc wall-mounting enclosure

- Made from polyester reinforced with fiberglass, molded by hot compression
- Degree of protection IP66
- Impact resistance IK10 for the plain doors and surfaces and IK08 for the glazed doors of the polyester versions
- UL certification and NEMA classification 4x and 13 for the polyester wall-mounting enclosures
- Total insulation to produce class II units
- Complies with RoHS and REACH Directives



Service life

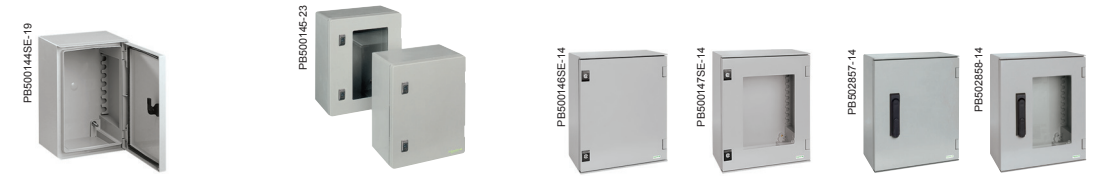
High resistance to corrosion in harsh environments, maintaining its mechanical properties and insulation.

Easy

- Door easily reversible by turning it over.
- Opening to 120° or 180°.
- Easy machining with no corrosion.
- Lightness.
- Polyamide hinge pin, easily removable and captive.

Smart

- Notches for easy fixing of DIN rails.
- Grid pattern on the rear of the door for marking the machining operations.



Characteristics	ABS/PC wall-mounting enclosures	Polyester wall-mounting enclosures
	<ul style="list-style-type: none"> • Monobloc wall-mounting enclosure. • Version with transparent polycarbonate door. • Closes with a 3-mm double-bar lock. • Door opening: 180°. • Temperature range: -35°C...+90°C. 	<ul style="list-style-type: none"> • Monobloc wall-mounting enclosure. • Version with transparent tempered-glass door. • Closes with two 3-mm double-bar locks. • Door opening angle: 120°. • Grid pattern with a pitch of 50 mm (2.0 in.) on the back of the door.

Material	ABS/PC	Polyester reinforced with fiberglass, moulded by hot compression
Temperature range - Polyester parts	-	-50°C ... +150°C
Temperature range - Gasket	-35°C ... +90°C	
Color	RAL 7035 grey*	
Ingress protection rating	IP66 according to IEC 60529	
Mechanical protection rating	<ul style="list-style-type: none"> • IK10 (20 joules) plain door - IEC 62262 • IK08 (5 joules) glazed door 	
Certifications	<ul style="list-style-type: none"> • IEC 62208 • Marine • UL 508A - Nema type: 1, 2, 3, 3R, 3S, 4, 4X, 5, 12, 12K and 13 	<ul style="list-style-type: none"> • IEC 62208 • Marine
Installation	<ul style="list-style-type: none"> • Direct fixing of symmetrical rails ref. NSYCS200PLM with plastic nuts ref. NSYTCSPLM, to be installed in the notches on the rear of the body, with a pitch of 25 mm (1.0 in.) • Fixing of installation plates on the studs at the rear of the enclosure 	<ul style="list-style-type: none"> • Fixing of rear accessories on 4 M8 x 18 studs • Fixing of rear accessories on 4 M8 studs, included in the standard supply • Direct fixing of symmetrical rails ref. NSYCS...PLM, with plastic nuts, ref. NSYTCSPLM, to be installed in the notches on the rear of the body, with a pitch of 25 mm (1.0 in.)

External dimensions - mm (in)			References of wall-mounting enclosures with door							
Height	Width	Depth	Plain (3)	Transparent	Plain (3)	Transparent	Plain (3)	Transparent	Plain (1)	Transparent (1)
308 (12.1)	255 (10.0)	160 (6.3)	-	-	NSYPLM3025G	NSYPLM3025TG	-	-	-	-
310 (12.2)	215 (8.5)	160 (6.3)	NSYPLM32G	NSYPLM32TG	-	-	-	-	-	-
430 (16.9)	330 (13.0)	200 (7.9)	-	-	-	-	NSYPLM43G	NSYPLM43TG	NSYPLM43VG	NSYPLM43TVG
530 (20.9)	430 (16.9)	200 (7.9)	-	-	-	-	NSYPLM54G	NSYPLM54TG	NSYPLM54VG	NSYPLM54TVG
647 (25.5)	436 (17.2)	250 (9.8)	-	-	-	-	NSYPLM64G	NSYPLM64TG	NSYPLM64VG	NSYPLM64TVG
747 (29.4)	536 (21.1)	300 (11.8)	-	-	-	-	NSYPLM75G	NSYPLM75TG	NSYPLM75VG	NSYPLM75TVG
847 (33.3)	636 (25.0)	300 (11.8)	-	-	-	-	NSYPLM86G	NSYPLM86TG	NSYPLM86VG	NSYPLM86TVG
1056 (41.6)	852 (33.5)	350 (13.8)	-	-	-	-	NSYPLM108G (2)	NSYPLM108TG (2)	-	-

(1) Wall-mounting enclosure with handle and lock with 3-point closure and key 1242 E delivered as standard.
 (2) Wall-mounting enclosure with standard 5 mm double-bar lock and lock with 4-point closure.
 (3) These enclosures are also available equipped with metallic or insulating mounting plates.
 * RAL 7035 from 2016.

External dimensions - mm (in)			Wall-mounting enclosures with plain door and mounting plate (4)					
Height	Width	Depth	Plain	Bakelite	Plain	Bakelite	Plain	Bakelite
308 (12.1)	255 (10.0)	160 (6.3)	-	-	NSYPLM3025PG	NSYPLM3025BG	-	-
310 (12.2)	215 (8.5)	160 (6.3)	NSYPLM32PG	NSYPLM32BG	-	-	-	-
430 (16.9)	330 (13.0)	200 (7.9)	-	-	-	-	NSYPLM43PG	NSYPLM43BG
530 (20.9)	430 (16.9)	200 (7.9)	-	-	-	-	NSYPLM54PG	NSYPLM54BG
647 (25.5)	436 (17.2)	250 (9.8)	-	-	-	-	NSYPLM64PG	NSYPLM64BG
747 (29.4)	536 (21.1)	300 (11.8)	-	-	-	-	NSYPLM75PG	NSYPLM75BG
847 (33.3)	636 (25.0)	300 (11.8)	-	-	-	-	NSYPLM86PG	NSYPLM86BG
1056 (41.6)	852 (33.5)	350 (13.8)	-	-	-	-	-	NSYPLM108BG

(4) Not mounted.

This range can be configured according to your needs

4 different services available:

Assemble to order

Mounting of standard accessories

Painting

Machining

The customized solutions Configured or Specific types use existing ranges from Universal Enclosures standard offer as a base for its development. Depending on the modifications made on the enclosures or accessories, they could affect the certification or declarations of conformity existing in the standard ranges. The certifications and declarations of conformity needed for the solution must be defined early in the process as part of the offer specifications.

Thalassa polyester floor-standing enclosures

➤ The floor-standing enclosures are made from polyester reinforced with fiberglass, molded by hot compression. High resistance to corrosion in harsh environments, it maintains its mechanical and insulation properties.

New dimensions
2000 mm (78.8 in.) height
620 mm (24.4 in.) depth



Bigger dimensions

The new options with 2000 mm (78.7 in.) height and 620 mm (24.4 in.) depth have been created to meet industry and infrastructure demands for motor control, power distribution, electronics or telecom applications.

PLAT version



Ventilation

Open top part with canopy allowing for ventilation.



Easy

Various bosses for M8 inserts.

PLAZ version



Open bottom

Big open bottom to be mounted directly on the floor or on a plinth.



Smart

Plain mounting plate installed on step slides and compulsory adapter plates in all the enclosures with open bottom part.

PLAZT version



Easy

Door opening to 180°.



Resistant

Anti-lever security system.

This range can be configured according to your needs

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining

See catalog for details or consult our web site www.schneider-electric.com

The customized solutions configured or specific types use existing ranges from Universal Enclosures standard offer as a base for its development. Depending on the modifications made on the enclosures or accessories, they could affect the certification or declarations of conformity existing in the standard ranges. The certifications and declarations of conformity needed for the solution must be defined early in the process as part of the offer specifications.



Class II

PLA



PLAT



PLAZ



PLAZT



Characteristics	PLA version	PLAT version	PLAZ version	PLAZT version
	Completely sealed enclosure	Enclosure with ventilated canopy	Enclosure with plinth-type open bottom	Enclosure with plinth-type open bottom and ventilated canopy
	<ul style="list-style-type: none"> Enclosure obtained by assembling: <ul style="list-style-type: none"> 1 sealed top part, 1 sealed bottom part, 2 side parts, 1 or 2 rear panels (according to width), 1 or 2 doors (according to width). Locking system with handle with a 5-mm double-bar insert block, included in the standard supply. Other blocks with inserts or barrels and keys optionally available. Door opening to 120°. 	<ul style="list-style-type: none"> Enclosure obtained by assembling: <ul style="list-style-type: none"> 1 open top part with canopy, 1 sealed bottom part, 2 side parts, 1 or 2 rear panels (according to width), 1 or 2 doors (according to width). Locking system with handle with a 5-mm double-bar insert block, included in the standard supply. Other blocks with inserts or barrels and keys optionally available. Door opening to 120°. 	<ul style="list-style-type: none"> Enclosure obtained by assembling: <ul style="list-style-type: none"> 1 sealed top part, 1 plinth-type open bottom part, 2 side parts, 1 or 2 rear panels (according to width), 1 or 2 doors (according to width). Locking system with handle with a 5 mm double-bar insert block, included in the standard supply. Other blocks with inserts or barrels and keys optionally available. Door opening to 120°. 	<ul style="list-style-type: none"> Enclosure obtained by assembling: <ul style="list-style-type: none"> 1 open top part with canopy, 1 plinth-type open bottom part, 2 side parts, 1 or 2 rear panels (according to width), 1 or 2 doors (according to width). Locking system with handle with a 5 mm double-bar insert block. Other blocks with inserts or barrels and keys optionally available. Door opening to 180°. Anti-lever system to prevent forcing of the door.
Material	Polyester reinforced with fiberglass			
Finish	Molded by hot compression: the pieces have an excellent finish on both sides and can include numerous bosses for accommodating inserts and mounting or cable management accessories			
Color	RAL 7035 grey*			
Ingress protection rating	IP65 according to IEC 60529	<ul style="list-style-type: none"> IP44 according to IEC 60529 IP54 with 1 or 2 internal grilles, ref. NSYCAG125LPF, to be ordered separately 	IP54 according to IEC 60529	<ul style="list-style-type: none"> IP44 according to IEC 60529 IP54 with 1 or 2 internal grilles, ref. NSYCAG125LPF, to be ordered separately
Mechanical protection rating	<ul style="list-style-type: none"> IK10 (20 joules) plain door - IEC62262 IK08 (5 joules) glazed door 			
Insulation	Class II according to IEC 60950-1			
Certifications	<ul style="list-style-type: none"> UL 508A/CAN-CSA 22 <ul style="list-style-type: none"> single door: Nema types 1, 2, 3, 3R, 3S, 4, 4X, 5, 12 and 13 double door: Nema types 1, 2, 12 and 13 Marine IEC 62208 Environment: the factory complies with ISO 14 001 (Environmental management and ISO 50 001 (Energy management system) 	62208	<ul style="list-style-type: none"> Environment: the factory complies with ISO 14 001 (Environmental management) and ISO 50 001 (Energy management system) 	
Installation	<ul style="list-style-type: none"> Indoor use only. For outdoor use, must install a canopy Direct fixing to the floor or by means of a plinth with a height of 60 mm (2.4 in), as an option, see catalog Possibility of fixing on a semi-embedded plinth, see catalog Optional wall-fixing lugs 	<ul style="list-style-type: none"> Outdoor or indoor 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 install a canopy to avoid water stagnation on the upper part of the enclosure 	<ul style="list-style-type: none"> The open bottom part forms a 60 mm (2.4 in) plinth which is fixed to the floor directly or by means of an optional fixing frame, see Catalog or else it is installed on a semi-embedded plinth, see catalog. 	
Options	Anti-posting door upon request			

* RAL 7035 from 2016.



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