

PLS boxes: Polyester rear and PC transparent cover with wing screws for manual opening.

This range can be configured according to your needs

4 different services available:



Assemble to order



Mounting of standard accessories



Painting



Machining



Protection

IP66.
Gasket between body and cover.
IK09.
Insulation Class II.



Modular

The dimensions of the sides, multiples of 9 cm, allow the creation of assemblies.



Easy

Bosses with inserts, at the rear of the body, for fixing plates or various supports.

See [page 522](#) for details or consult our web site www.se.com



Prolonged exposure to UV radiation, wind and rain can cause aesthetics changes in the external surface of the enclosure. Without affecting the technical properties according to IEC 62208. For long exposure applications, it is recommended to use painted enclosures available through the P&S offer.

Insulating modular boxes



Class II



Complete box

Characteristics	NSYPLS5454AG	NSYPLS1827G	NSYPLSC5472AG	NSYPLSC1827G	NSYPLSP1827G
	<ul style="list-style-type: none"> • Insulating boxes that can be coupled by all their side surfaces, allowing the creation of the greatest variety of modular assemblies. • The product references show the two lateral dimensions in cm. • 14 sizes of insulating boxes; The sides are multiples of 9 cm. • Body made from polyester reinforced with fibreglass, moulded by hot compression, 9 sizes. • 3 types of cover available according to the sizes: <ul style="list-style-type: none"> • standard cover, made from transparent polycarbonate with neoprene gasket, 45 mm high, or 95 mm high (final index A) according to the sizes, • opaque polycarbonate cover (index C), with neoprene gasket, 45 mm high, or 95 mm high (final index A) according to the sizes, • polyester reinforced with fibreglass cover (index P) with PUR gasket, 45 mm high. • Complete box includes body, cover, locking screws and sealing device. • The bodies (prefix F) and the covers (prefix T) are supplied separately as standard references. The separate covers are supplied without locking screws or sealing accessories. • The PLS enclosures with transparent cover are also offered in batches; The reference refers to the complete batch. • Excellent resistance to corrosion; Can withstand most chemical agents. • Full insulation to create class II assemblies. • Standard lock with slot screws outside the volume of the boxes. Delivered with sealing system. • External wall-mounting by 4 lugs, to be ordered separately. • Service temperature: -40 to +80°C. • Bosses with M6 inserts for fixing the mounting plate. • Halogen-free and compliant with the RoHS directive. 				
Colour	RAL 7035 grey (opaque bodies and cover)				
Ingress protection rating	IP66				
Mechanical protection rating	IK09				
Certifications	<ul style="list-style-type: none"> • Certification according to standard IEC 62208, helping guarantee IP, IK, resistance to heat and fire (self-extinguishing), insulation to 5000 V, and load of the mounting plate, 100 kg/m² • UL508A* CAN/CSA-C22.2 - Types 1, 2, 3, 3R, 3S, 4, 4X, 12 and 13 				
Installation	<p>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 install a canopy to avoid water stagnation on the upper part of the enclosure and help protect against the sun radiation.</p>				
Options	-				
Supply	-				

* NSYPLS, NSYPLSP and NSYPLSC followed by suffixes.



Insulating modular boxes with modular distribution chassis

NSYDLS12

PLS boxes, polyester body and PC transparent cover with hinges and wing screws for manual opening. Built-in DLS modular chassis, made up of an insulating protection panel, RAL 7011 colour, 35 mm DIN rails and a 2 x 16 + 5 x 6 mm² neutral/earth connection strip.

- Opening for cable entry, delivered with lock plate, ref. **NSYTL27270G**.
- Double-insulating installation.
- Plastic external hinges, allowing opening to 180°.
- Removable 36 mm blanking covers (2 modules):
1 per row in the standard offer.

-

IP43

IK09

-

Indoor

The boxes can be equipped with a double bar lock and handle ref. **NSYCL27M**, or a lock with key ref. **NSYCL27L405**, by specific demand
The modular chassis can be ordered separately



Modular distribution chassis

NSYPLS1827DLS12

Built-in DLS modular chassis, made up of an insulating protection panel, RAL 7011 colour, 35 mm DIN rails and a 2 x 16 + 5 x 6 mm² neutral/earth connection strip.

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IP43

IK09

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Indoor

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Insulating modular boxes

Complete box

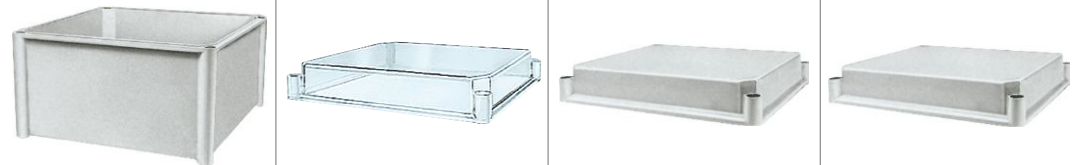


Dimensions			Transparent cover	Opaque cover	Polyester cover
Height (mm)	Width (mm)	Depth (mm)	References	References	References
180	270	180	NSYPLS1827G	NSYPLSC1827G	NSYPLSP1827G
270	270	180	NSYPLS2727G	NSYPLSC2727G	NSYPLSP2727G
270	270	230	NSYPLS2727AG	NSYPLSC2727AG	-
270	360	180	NSYPLS2736G	NSYPLSC2736G	NSYPLSP2736G
270	360	230	NSYPLS2736AG	NSYPLSC2736AG	-
270	540	180	NSYPLS2754G	NSYPLSC2754G	NSYPLSP2754G
270	540	230	NSYPLS2754AG	NSYPLSC2754AG	-
360	270	180	-	-	-
360	360	180	NSYPLS3636G	NSYPLSC3636G	NSYPLSP3636G
360	540	180	NSYPLS3654G	NSYPLSC3654G	NSYPLSP3654G
360	540	230	NSYPLS3654AG	NSYPLSC3654AG	-
360	720	230	NSYPLS3672AG	NSYPLSC3672AG	-
540	270	180	-	-	-
540	540	180	NSYPLS5454G	NSYPLSC5454G	NSYPLSP5454G
540	540	230	NSYPLS5454AG	NSYPLSC5454AG	-
540	720	230	NSYPLS5472AG	NSYPLSC5472AG	-



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Rear







Low covers: 45 mm



Dimensions			Rear 135 mm	Transparent	Opaque	Polyester
Height (mm)	Width (mm)	Depth (mm)	References	References	References	References
180	270	180	NSYFPLS1827G	NSYTPLS1827	NSYTPLSC1827G	NSYTPLSP1827G
270	270	180	NSYFPLS2727G	NSYTPLS2727	NSYTPLSC2727G	NSYTPLSP2727G
270	270	230	NSYFPLS2727G	-	-	-
270	360	180	NSYFPLS2736G	NSYTPLS2736	NSYTPLSC2736G	NSYTPLSP2736G
270	360	230	NSYFPLS2736G	-	-	-
270	540	180	NSYFPLS2754G	NSYTPLS2754	NSYTPLSC2754G	NSYTPLSP2754G
270	540	230	NSYFPLS2754G	-	-	-
360	360	180	NSYFPLS3636G	NSYTPLS3636	NSYTPLSC3636G	NSYTPLSP3636G
360	540	180	NSYFPLS3654G	NSYTPLS3654	NSYTPLSC3654G	NSYTPLSP3654G
360	540	230	NSYFPLS3654G	-	-	-
360	720	230	NSYFPLS3672G	-	-	-
540	540	180	NSYFPLS5454G	NSYTPLS5454	NSYTPLSC5454G	NSYTPLSP5454G
540	540	230	NSYFPLS5454G	-	-	-
540	720	230	NSYFPLS5472G	-	-	-

Insulating modular boxes with modular distribution chassis				Modular distribution chassis	
					
No. of 18 mm modules	No. of rows	Approximate weight (kg)	References	References	References
12	1	1.7	NSYPLS1827DLS12	NSYDLS12	NSYDLS12
24	2	2.5	NSYPLS2727DLS24	NSYDLS24	NSYDLS24
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
24	2	2.7	NSYPLS3627DLS24	NSYDLS242	NSYDLS242
36	3	2.8	NSYPLS3627DLS36	NSYDLS36	NSYDLS36
-	-	-	-	-	-
-	-	-	-	-	-
-	4	3.8	NSYPLS5427DLS48	-	-
48	-	-	-	-	NSYDLS48
-	-	-	-	-	-
-	-	-	-	-	-

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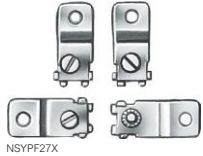
High covers: 95 mm		Metallic mounting plates		Insulating mounting plates	
					
Transparent	Opaque	Plain	Telequick	Polyester	Bakelite
References	References	References	References	References	References
-	-	NSYPMM1827	NSYPMR1827	NSYPMA1827G	NSYPMB1827
-	-	NSYPMM2727	NSYPMR2727	NSYPMA2727G	NSYPMB2727
NSYTPLS2727A	NSYTPLSC2727AG	NSYPMM2727	NSYPMR2727	NSYPMA2727G	NSYPMB2727
-	-	NSYPMM2736	NSYPMR2736	NSYPMA2736G	NSYPMB2736
NSYTPLS2736A	NSYTPLSC2736AG	NSYPMM2736	NSYPMR2736	NSYPMA2736G	NSYPMB2736
-	-	NSYPMM2754	NSYPMR2754	NSYPMA2754G	NSYPMB2754
NSYTPLS2754A	NSYTPLSC2754AG	NSYPMM2754	NSYPMR2754	NSYPMA2754G	NSYPMB2754
-	-	NSYPMM3636	-	NSYPMA3636G	NSYPMB3636
-	-	NSYPMM3654	NSYPMR3654	NSYPMA3654G	NSYPMB3654
NSYTPLS3654A	NSYTPLSC3654AG	NSYPMM3654	NSYPMR3654	NSYPMA3654G	NSYPMB3654
NSYTPLS3672A	NSYTPLSC3672AG	NSYPMM3672	NSYPMR3672	NSYPMA3672G	NSYPMB3636
-	-	NSYPMM5454	NSYPMR5454	NSYPMA5454G	NSYPMB3654
NSYTPLS5454A	NSYTPLSC5454AG	NSYPMM5454	NSYPMR5454	NSYPMA5454G	NSYPMB3654
NSYTPLS5472A	NSYTPLSC5472AG	NSYPMM5472	NSYPMR5472	NSYPMA5472G	NSYPMB5472

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Wall fixing lugs



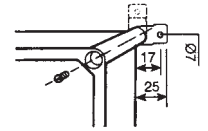
NSYPF27N



NSYPF27X

- Passivated zinc-coated steel
- Stainless steel

Supply:
Set of 4 lugs and fixings



Characteristics	References
Wall fixing lug, passivated zinc-coated steel	NSYPF27N
Wall fixing lug, stainless steel	NSYPF27X

Post fixing device



NSYFSP27270

Supply:
Contains all the elements required for mounting on a post

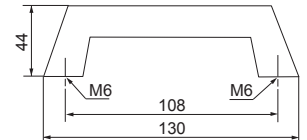
Characteristics	Max. length of enclosure rear side (mm)	References
Post fixing device	270	NSYFSP27270
Post fixing device	360	NSYFSP27360
Post fixing devicec	540	NSYFSP27540

Plastic carrying handle



NSYATM27

- Material: Plastic
- Ingress protection rating: IP43



Characteristics	References
Plastic carrying handle	NSYATM27

Coupling frames



NSYUM27180

- Ingress protection rating: Frame with full opening: IP65 between enclosures

Characteristics	For surfaces (mm)	Opening (mm)	References
Full-opening frame	180	110	NSYUM27180
Full-opening frame	270	200	NSYUM27270
Full-opening frame	360	290	NSYUM27360

Comment:

Use the boxes dimensional drawings to identify what coupling frame you need. Consider the sides and surfaces you will join. Not UL certified.

Comment:

Use the boxes dimensional drawings to identify what coupling frame you need. Consider the sides and surfaces you will join. Not UL certified.

Supply:

References by unit. Order by multiples of 10 units (10, 20, 30, etc.).



NSYUCC270

- Ingress protection rating: Frame with full opening: IP44 between enclosures

Characteristics	For surfaces (mm)	Opening (mm)	References
Partial-opening frame	270	200	NSYUCC270
Partial-opening frame	360	290	NSYUCC360

Side plates



NSYTL27270G

- Ingress protection rating: IP65

Characteristics	For surfaces (mm)	Width (mm)	References
Side plate	270	200	NSYTL27270G
Side plate	360	290	NSYTL27360G

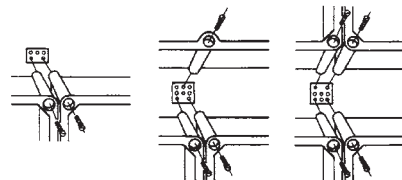
Box coupling unit piece



NSYPS2C27

- For coupling 2, 3 or 4 boxes, with optional wallmounting.
- M6 x 8 mm screw with cylindrical head.

Characteristics	References
Box coupling unit piece for coupling 2 boxes	NSYPS2C27
Box coupling unit piece for coupling 3 or 4 boxes	NSYPS4C27



Supply:

To be ordered in multiples of 25



Closing for PLS boxes

- Slotted screw: Included in the standard references of boxes **NSYPLS●●●●**.
- Wing screw: Included in the standard references of modular distribution boxes **NSYPLS●●●●DLS●●●●**.
- Triangular screw: **NSYLT27**

Supply:

Set of 4, 6 or 8 screws.
The references also include 4 M6 screws for fixing mounting plates and 2 steel sealing accessories



NSYTCD274



NSYTCM274



NSYTCT274

Characteristics	Tool	References
Set of 4 slotted screws	Flat-blade screwdriver	NSYTCD274
Set of 6 slotted screws	Flat-blade screwdriver	NSYTCD276
Set of 8 slotted screws	Flat-blade screwdriver	NSYTCD278
Set of 4 wing screws	Manual	NSYTCM274
Set of 4 triangular screws	Triangular key	NSYTCT274

Closing locks



NSYCL27M



NSYCL27L405

- Option of installing a side lock, on the opposite side to where the hinges are installed
- Ingress protection rating: IP43

Characteristics	Tool	References
Double bar side lock and handle	NSYDBP	NSYCL27M
Side lock with key 405	Key 405	NSYCL27L405

Sealing and opening



NSYLT27

Characteristics	References
Triangular key for PLS	NSYLT27

External hinges



NSYBE27G

- To open the door to 180°.
- Material: Plastic

Characteristics

External hinges, plastic

Comment:

IP level cannot be guaranteed due to type of application and installation

Supply:

Set of 2 hinges

References

NSYBE27G

Internal hinges



NSYBL27

- To open the door to 180°.
- Material: Brass

Characteristics

Internal hinges, brass

Comment:

IP level cannot be guaranteed due to type of application and installation

Supply:

Set of 2 hinges

References

NSYBL27