

IP 65 insulating modular boxes

Introduction



- The product references show the two lateral dimensions in cm.
- 14 sizes of insulating boxes; the sides are multiples of 9 cm.
- Insulating boxes that can be coupled by all their side surfaces, allowing the creation of the greatest variety of modular assemblies.
- Rear made from polyester reinforced with fibreglass, moulded by hot compression, 9 sizes.
- 3 types of cover available according to the sizes:
 - 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 cover (index P) with PUR gasket, 45 mm high.
- The rears (prefix F) and the covers (prefix T) are supplied separately as standard references. The separate covers are supplied without locking screws or plumbing accessories.
- The PLS enclosures with transparent cover are also offered in batches; the reference refers to the complete batch.

Technical characteristics

- Degree of protection: IP 65.
- Resistance to external mechanical impacts: IK 09.
- RAL 7032 grey colour (opaque rears and cover).
- 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 plumbing system.
- External wall mounting by 4 lugs, to be ordered separately.
- Service temperature: – 30 to + 120 °C.
- Bosses with M6 inserts for fixing the mounting plate.
- Halogen-free and compliant with the RoHS directive.
- Certification according to standard IEC 62208, guaranteeing IP, IK, resistance to heat and fire (self-extinguishing), insulation to 5000 V, resistance to bad weather and load of the mounting plate, 100 kg/m².
- UL certification and NEMA classification 4X and 13.

Selection guide



Dimensions (mm)			Cover boxes				
Height	Width	Depth	Transparent	Opaque	Polyester	Transparent in batches	Supply
180	270	180	NSYPLS1827	NSYPLSC1827	NSYPLSP1827	NSYPLS1827L	56
270	270	180	NSYPLS2727	NSYPLSC2727	NSYPLSP2727	NSYPLS2727L	56
270	270	230	NSYPLS2727A	NSYPLSC2727A		NSYPLS2727AL	56
270	360	180	NSYPLS2736	NSYPLSC2736	NSYPLSP2736	NSYPLS2736L	56
270	360	230	NSYPLS2736A	NSYPLSC2736A	-	NSYPLS2736AL	56
270	540	180	NSYPLS2754	NSYPLSC2754	NSYPLSP2754	NSYPLS2754L	28
270	540	230	NSYPLS2754A	NSYPLSC2754A	-	NSYPLS2754AL	28
360	360	180	NSYPLS3636	NSYPLSC3636	NSYPLSP3636	NSYPLS3636L	28
360	540	180	NSYPLS3654	NSYPLSC3654	NSYPLSP3654	NSYPLS3654L	28
360	540	230	NSYPLS3654A	NSYPLSC3654A	-	NSYPLS3654AL	28
360	720	230	NSYPLS3672A	NSYPLSC3672A	-	NSYPLS3672AL	27
540	540	180	NSYPLS5454	NSYPLSC5454	NSYPLSP5454	NSYPLS5454L	14
540	540	230	NSYPLS5454A	NSYPLSC5454A	-	NSYPLS5454AL	14
540	720	230	NSYPLS5472A	NSYPLSC5472A	-	NSYPLS5472AL	14

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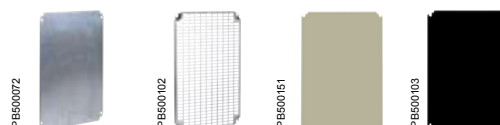
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Selection guide



Dimensions (mm)			Rear 135 mm	Bottom covers			Top covers	
Height	Width	Depth		Transparent 45 mm	Opaque 45 mm	Polyester 45 mm	Transparent 95 mm	Opaque 95 mm
180	270	180	NSYFPLS1827	NSYTPLS1827	NSYTPLSC1827	NSYTPLSP1827	-	-
270	270	180	NSYFPLS2727	NSYTPLS2727	NSYTPLSC2727	NSYTPLSP2727	-	-
270	270	230	NSYFPLS2727	-	-	-	NSYTPLS2727A	NSYTPLSC2727A
270	360	180	NSYFPLS2736	NSYTPLS2736	NSYTPLSC2736	NSYTPLSP2736	-	-
270	360	230	NSYFPLS2736	-	-	-	NSYTPLS2736A	NSYTPLSC2736A
270	540	180	NSYFPLS2754	NSYTPLS2754	NSYTPLSC2754	NSYTPLSP2754	-	-
270	540	230	NSYFPLS2754	-	-	-	NSYTPLS2754A	NSYTPLSC2754A
360	360	180	NSYFPLS3636	NSYTPLS3636	NSYTPLSC3636	NSYTPLSP3636	-	-
360	540	180	NSYFPLS3654	NSYTPLS3654	NSYTPLSC3654	NSYTPLSP3654	-	-
360	540	230	NSYFPLS3654	-	-	-	NSYTPLS3654A	NSYTPLSC3654A
360	540	230	NSYFPLS3672	-	-	-	NSYTPLS3672A	NSYTPLSC3672A
540	540	180	NSYFPLS5454	NSYTPLS5454	NSYTPLSC5454	NSYTPLSP5454	-	-
540	540	230	NSYFPLS5454	-	-	-	NSYTPLS5454A	NSYTPLSC5454A
540	720	230	NSYFPLS5472	-	-	-	NSYTPLS5472A	NSYTPLSC5472A

Selection guides for mounting plates



For installing in the boxes (mm)		Metallic mounting plates		Insulating mounting plates	
Height	Width	Plain	Telequick	Polyester	Bakelite
180	270	NSYPMM1827	NSYPMR1827	NSYPMA1827	NSYPMB1827
270	270	NSYPMM2727	NSYPMR2727	NSYPMA2727	NSYPMB2727
270	360	NSYPMM2736	NSYPMR2736	NSYPMA2736	NSYPMB2736
270	540	NSYPMM2754	NSYPMR2754	NSYPMA2754	NSYPMB2754
360	360	NSYPMM3636	-	NSYPMA3636	NSYPMB3636
360	540	NSYPMM3654	NSYPMR3654	NSYPMA3654	NSYPMB3654
360	720	NSYPMM3672	NSYPMR3672	NSYPMA3672	NSYPMB3672
540	540	NSYPMM5454	NSYPMR5454	NSYPMA5454	NSYPMB5454
540	720	NSYPMM5472	NSYPMR5472	NSYPMA5472	NSYPMB5472



For installing in the boxes (mm)		Modular distribution chassis	No. of rows	No. of 18 mm modules
Height	Width	Page PLS005_2		
180	270	NSYDLS12	1	12
270	270	NSYDLS24	2	24
360	270	NSYDLS242	2	24
		NSYDLS36	3	36
540	270	NSYDLS48	4	48