

Universal Enclosures

Essential guide



Summary

Selection guides

Industrial boxes

- **Spacial S44 - S57 - S24 - SDB** Steel industrial boxes
 - **Thalassa TBS - TBP** Insulating industrial boxes
 - **Mureva** Modular boxes
-

Steel wall-mounting enclosures

- **Spacial S3D** Steel wall-mounting enclosures
 - **Spacial S3DEX** ATEX wall-mounting accessories
 - **Applications offer**
-

Steel floor-standing enclosures

- **Spacial SM** Steel floor-standing compact enclosures
 - **Spacial SF** Steel floor-standing suitable enclosures
 - **Applications offer**
-

Stainless-steel enclosures

- **Spacial S3X** Stainless-steel wall-mounting enclosures
 - **Spacial SMX** Stainless-steel floor-standing monobloc enclosures
 - **Spacial SFX** Stainless-steel floor-standing suitable enclosures
-

Insulating enclosures

- **Thalassa PLS** Insulating modular boxes
 - **Thalassa PLM** Wall-mounting in polyester
 - **Thalassa PLA** Floor-standing in polyester
-

Accessories

- **Lamps**
 - **Door switches**
 - **Document pockets**
 - **Windows**
 - **Earthing accessories**
-

Thermal management system

- **ClimaSys CV-CA** Ventilation and Airing systems
 - **ClimaSys CR** Resistance Heaters
 - **ClimaSys CC** Thermal Control
-

Technical annexes

- **Standard certifications**
 - **Degrees of protection: IK and IP**
 - **Material properties**
-

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Spacial Steel

Boxes

From 74 x 74 mm
To 500 x 300mm



S44 Industrial boxes IP 66
S57 Screw fixed cover boxes IP 66
S24 Safety boxes IP 55
SDB Derivation boxes

Wall-mounting enclosures

From 300mm x 500mm
To 1200mm x 1000mm



S3D Wall-mounting steel
S3DEX Potentially explosive atmospheres
Selection guide for application wall mounting enclosure

Floor-standing enclosures

From 500mm x 500mm
To 2200mm x 1600mm



SM Floor-standing compact
SF Floor-standing suitable

ClimaSys Thermal management



CV-CA
Ventilation/Airing



CV
Metal louvre plate



CV
Metal louvre

Accessories



Mounting



Viewing



Door
Switches

Please contact us for further information on our desk, modular, customised, exchangers and cooling unit offers

Spacial Stainless-Steel

Thalassa Insulating Materials

PLS Insulating modular boxes

TBP Polycarbonate industrial boxes

TBS ABS industrial boxes



S44 Wall-mounting

S3XEX Potentially explosive atmosphere



PLM Wall-mounting polyester

PLMEX Potentially explosive atmosphere



SMX Floor-standing monobloc

• PC rack

SFX Floor-standing suitable



PLA Floor-standing polyester enclosures

PLD Floor-standing DIN polyester enclosures



CR
Resistance Heaters



CC
Thermal Control



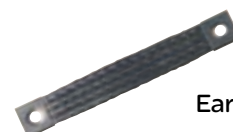
ProClima 5.0
Thermal Software



Lighting &
Sockets



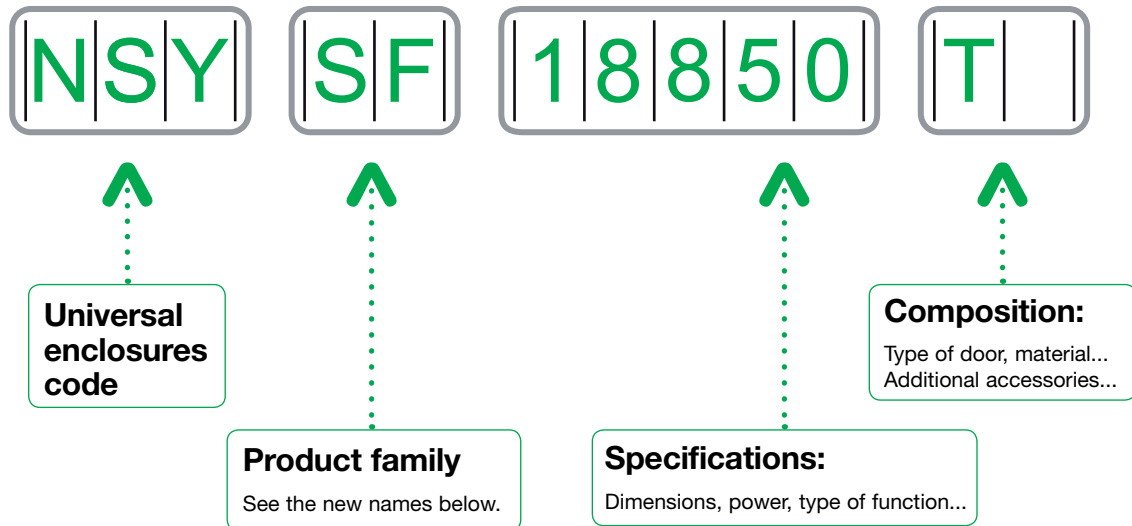
Door
Accessories



Earthing

0870 608 8 608

Understand our references



New product family names:

> ClimaSys:

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

> Thalassa insulating enclosures:

Thalassa TBP Industrial boxes PC (UL)
Thalassa TBS Industrial boxes in ABS
Thalassa PLS Insulating modular boxes
Thalassa PLM Wall-mounting in polyester
Thalassa PLA Floor-standing in polyester
Thalassa PLD Floor-standing DIN in polyester

> Spacial metal enclosures:

Spacial S44 - S57 - S24 - SDB Steel industrial boxes
Spacial S3D Steel Wall-mounting
Spacial SF Steel floor-standing suitable
Spacial SM Steel floor-standing compact
Spacial SD Steel Control desk
Spacial S3X Stainless-steel wall-mounting
Spacial SMX Stainless-steel floor-standing monobloc
Spacial SFX Stainless-steel floor-standing suitable
Spacial SDX Stainless-steel control desk

New referencing systems introduced for all our ranges except the Mureva modular and junction boxes

The configured offer

If needed, our standard products can also be assembled to order and adapted to your requests, ensuring that you don't have to sacrifice lead-time for a customised solution that's ready to use right out of the box.



Standard enclosure



Assembly of standard accessories and claddings, cut-outs and painting.



Your configured solutions delivered ready to use!



Configured

Modifying your standard enclosure without modifying your delivery date...
... time saving and improved quality for you!



Transport

Our flexible organisation allow us to manage all orders according to your needs, with a guaranteed delivery time.



The standard offer enhanced with two levels of service:

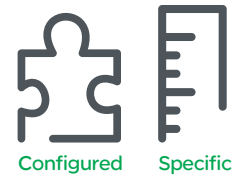
Mounted "assembled to order" offer:

- > Configurations with the most common claddings and accessories in RAL 7035.

If you need more information on our configured offer, please call us on 0870 608 8 608

The customised offer

Two customised services to cover all your needs:



Building the right enclosures for a wide variety of applications is what we do best.

At **Schneider Electric – Universal Enclosures** we have developed two customised services based on more than 50 years of experience in the market: a Configured offer (standard modified), and a Specific solution (custom-built enclosures) for a diverse range of industries.



Time saving

We perform machining, mounting of accessories and painting.



Improved quality

We manufacture customised solutions with our industrial tools
Example: cut-outs made before painting, gasket applied after painting.

If you need more information on our customised offer, please call us on 0870 608 8 608

Selection tools



> www.schneider-electric.com

Our international site allows you to access all the Schneider Electric products in just two clicks with direct links to:

- A complete library of technical documents, catalogues, FAQs brochures, etc.
- Certificates.
- 2D & 3D drawings.
- Selection Guides from the e-catalogue.
- Product discovery sites.



You may also find illustrated overviews, news to which you can subscribe, a list of country contacts and more useful information.

Our software suite

> Spacial.pro

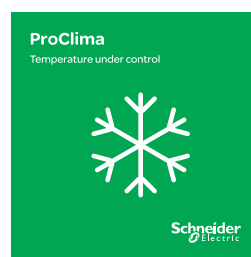
Spacial.pro allows you to make switchboard proposals based on the standard Spacial offer. A full project with several sets of switchboards is quoted in minutes, with automatic creation of the Bill of Material and 2D drawings for front/side views.

Please contact us for more information on the Spacial.pro.



> ProClima

Calculate the right choice for your thermal management requirements, according to the environment and the electrical/electronic devices installed inside the enclosure.



> Spacial.ref Thalassa.ref

These digital rules allow you to select the best components from the current extensive product range without the risk of any mistakes, since product and accessory selection take place automatically, saving you time and money.



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Industrial boxes

Spacial S44 - S57 - S24 - SDB Steel industrial boxes



Spacial S44: Steel industrial boxes IP 66

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Spacial S57: Steel screw fixed cover boxes IP 66

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Spacial S24: Steel safety boxes IP 55

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Spacial SDB: Steel derivation boxes IP 55

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Thalassa TBS - TBP Insulating industrial boxes



Thalassa TBP: Industrial boxes in polycarbonate (UL)
Thalassa TBS: Industrial boxes in ABS

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Selection guide

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Dimensions

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Mureva Insulating modular and junction boxes



Modular boxes

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Junction boxes

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Selection guide

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Dimensions

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Steel industrial boxes IP 66

Introduction

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IP 66 steel industrial boxes

IP 66 boxes

Technical characteristics

- Resistance to external mechanical impacts: IK 08.
- Structured finish, epoxy-polyester powder paint, RAL 7035 grey colour.
- Cover fixing by 4 screws.
- Polyurethane sealing gasket applied.
- Wall fixing: by welded lugs.
- Earthing screws on the body and cover for earth continuity.
- 3 versions:
 - Empty boxes, without internal fixing studs,
 - Boxes with fixing studs for plate.
 - Boxes with markings with a pitch of 12.5 mm for rails, on the width side.

Applications

- Applications requiring good water and dust protection.



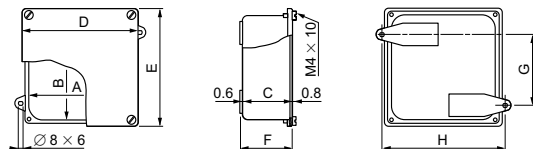
Internal dimensions (mm)			IP 66 box reference			Reference plates
Height	Width	Depth	Empty	Plate	Uprights	
80	80	45	NSYSBS884	-	-	-
100	100	55	NSYSBS10105	-	-	-
130	130	60	NSYSBS13136	-	-	-
160	160	65	NSYSBS16166	-	-	-
165	120	65	NSYSBS16126	NSYSBS16126S	-	NSYAMP1612SB
200	200	90	NSYSBS20209	NSYSBS20209S	-	NSYAMP2020SB
250	250	100	NSYSBS252510	NSYSBS252510S	-	NSYAMP2525SB
300	200	110	-	-	NSYSBS302011R	-
300	300	100	NSYSBS303010	NSYSBS303010S	-	NSYAMP3030SB
400	200	110	-	-	NSYSBS402011R	-
400	400	110	NSYSBS404011	NSYSBS404011S	-	NSYAMP4040SB
500	200	110	-	-	NSYSBS502011R	-
500	300	110	-	-	NSYSBS503011R	-
600	200	110	-	-	NSYSBS602011R	-
600	300	110	-	-	NSYSBS603011R	-

Steel industrial boxes IP 66

Dimensions

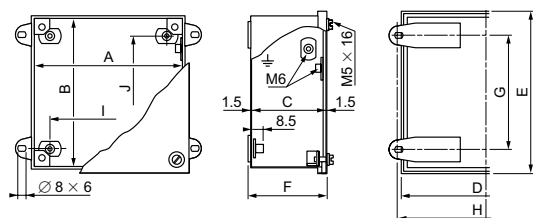
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IP 66 steel industrial boxes without knock-outs



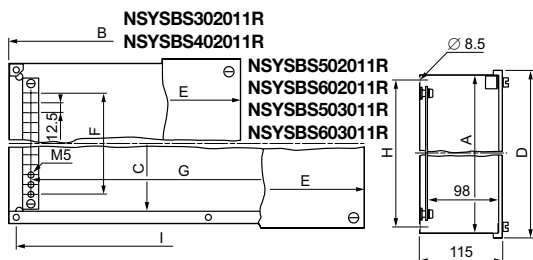
Internal dimensions (mm)			Dimensions (mm)			Fixing (mm)		Gross weight (kg)	Reference
A	B	C	D	E	F	G	H		
80	80	45	96	96	48	50	100	0.190	NSYSBS884
100	100	55	116	116	58	70	120	0.270	NSYSBS10105
130	130	60	142	142	63	100	144	0.300	NSYSBS13136
160	160	65	174	174	68	130	178	0.590	NSYSBS16166

Bare boxes and boxes with 4 plate-fixing points, IP 66



Internal dimensions (mm)			Dimensions (mm)			Box fixing (mm)		Plate fixing (mm)		Reference
A	B	C	D	E	F	G	H	I	J	
120	165	65	131	176	72	137	137	90	140	NSYSBS16126 NSYSBS16126S
200	200	96	211	211	97	174	217	170	170	NSYSBS20209 NSYSBS20209S
250	250	100	262	262	107	224	267	220	220	NSYSBS252510 NSYSBS252510S
300	300	100	312	312	107	274	317	270	270	NSYSBS303010 NSYSBS303010S
400	400	110	412	412	117	374	417	370	370	NSYSBS404011 NSYSBS404011S

Boxes with uprights, IP 66



Internal dimensions (mm)			Dimensions (mm)			Uprights (mm)	Box fixing (mm)		Reference
A	B	C	D	E	F	G	H	I	
200	300	-	211	311	125	250	184	284	NSYSBS302011R
200	400	-	211	411	125	350	184	384	NSYSBS402011R
200	500	172	211	511	125	450	184	484	NSYSBS502011R
200	600	172	211	611	125	550	184	584	NSYSBS602011R
300	500	272	312	512	225	450	284	484	NSYSBS503011R
300	600	272	312	612	225	550	284	584	NSYSBS603011R

Steel screw fixed cover boxes IP 66

Introduction

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Technical characteristics

- Sheet-steel enclosure.
- Degree of protection: IP 66 according to IEC 60529.
- Resistance to external mechanical impacts: IK 10.
- Structured finish, polyester powder paint, RAL 7035 grey colour.
- Fixing of the cover with 4 CHc M5 x 35 shouldered captive screws.
- The enclosures are equipped with 4 backstuds for fixing the mounting plate.
- Polyurethane sealing gasket.
- Earthing screws on the body and cover for earth continuity.

Special versions

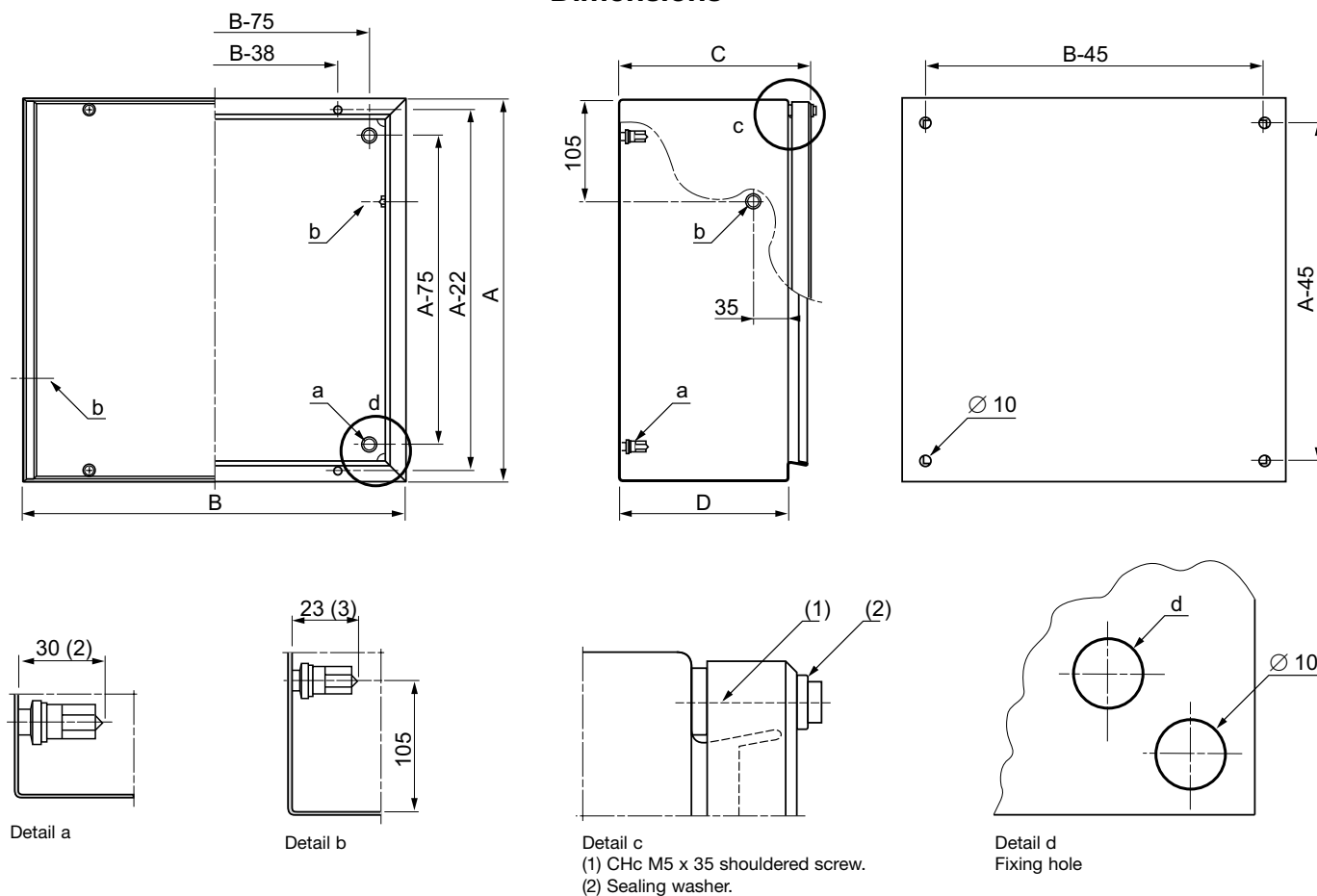
- On request, the industrial boxes can be delivered with:
 - Other finishes (zinc chromate, metallised, etc.).
 - Other colours.
 - Etc.
- See our Customised offer.

Applications

- Use in environments with a considerable risk of dust and/or liquid deposit creation.

External dimensions (mm)			(mm)				Reference
Height	Width	Depth	A	B	C	D	
200	300	150	200	300	150	127	NSYSBS302015
300	300	150	300	300	150	127	NSYSBS303015
300	400	150	300	400	150	127	NSYSBS403015
300	500	200	300	500	200	177	NSYSBS503020

Dimensions



Steel safety boxes IP 55



Technical characteristics

- Degree of protection IP 55 according to IEC 60529.
- Resistance to external mechanical impacts: IK 07.
- Structured finish, epoxy-polyester powder paint, RAL 7035 grey or RAL 3000 red for security applications.
- Locking by screws or by side lock with 3-mm double-bar insert. Option of installing a handle, ref. **NSYTHL1242EPLM** or **NSYTHPLM** with insert ref. **NSYTT8CRN** (to be ordered).
Plumbable with a cap installed at the plant.
- The enclosures are equipped with 4 nuts welded to the rear. They allow the fixing of a mounting plate (as an accessory) or a personalised mounting plate.
Polyurethane sealing gasket.
- M6 x 8 earthing screws on the body and cover for earth continuity.

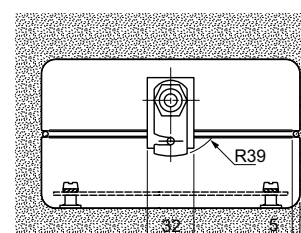
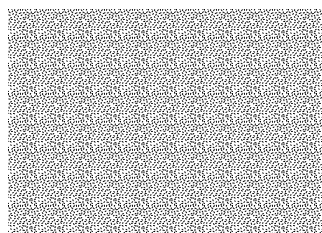
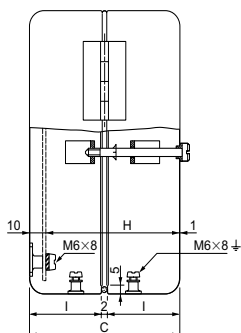
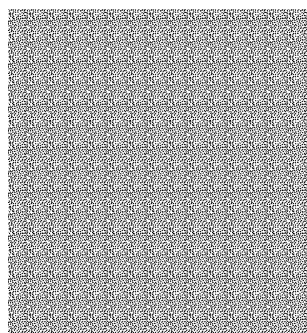
Applications

- Security and alarm systems (such as a fire alarm) that can accommodate modular plates and equipment.



Internal dimensions (mm)			Enclosure reference locking by screws		Reference of enclosures with side 3-mm double-bar lock		
Height	Width	Depth	Plain door	Door with window	Plain door	Door with window	Door with glass window thickness 3 mm
180	130	96	NSYSBS18139F	NSYSBS18139FT	NSYSBS18139K	NSYSBS18139KT	NSYSBS18139KTH
180	165	96	NSYSBS18169F	NSYSBS18169FT	NSYSBS18169K	NSYSBS18169KT	NSYSBS18169KTH
230	210	126	NSYSBS232112F	NSYSBS232112FT	NSYSBS232112K	NSYSBS232112KT	NSYSBS232112KTH

Ref. enclosures	Dimensions (mm)													Weight (kg)	Ref. plates
	A	B	C	D	E	F	G	H	I	J	K	L	M		
NSYSBS18139F	182	132	107	168	118	140	90	95	52	107	77	160	110	1	NSYAMP1612SB
NSYSBS18169F	182	167	107	168	153	140	125	95	52	108	97	160	145	1.2	NSYAMP1816SB
NSYSBS232112F	232	212	137	218	198	190	170	125	67	157	137	210	190	2	NSYAMP2321SB



Locks Kit

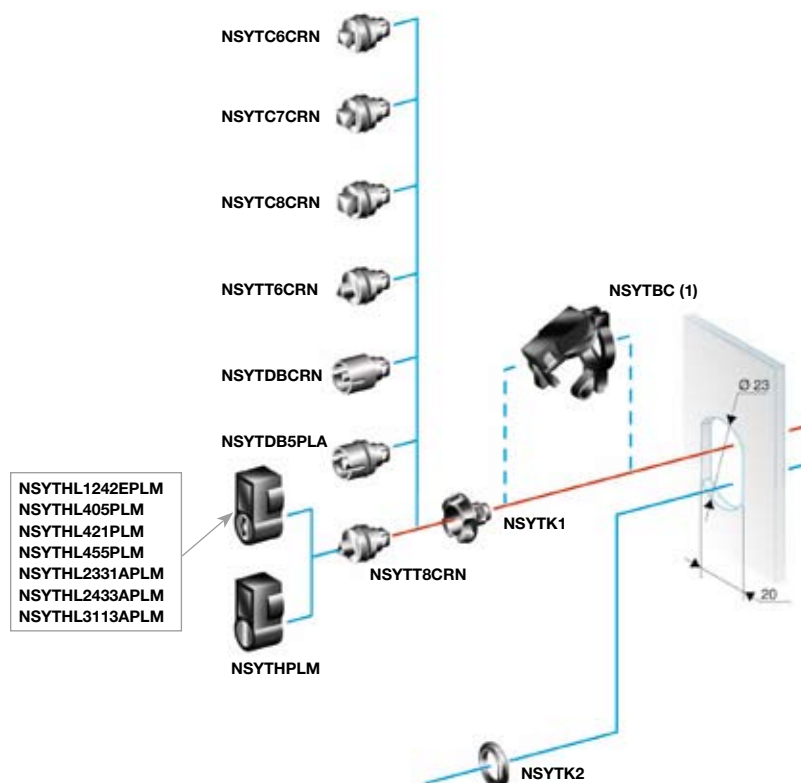
Description	Reference
Handle without lock	NSYTHPLM
Sealing or padlocking cap	NSYTBK
Replacement spare lock	NSYTK1
EDF/RONIS kit	NSYTK2

Insert shape/type

Description	Reference
Square 6 mm	NSYTC6CRN
Square 7 mm	NSYTC7CRN
Square 8 mm	NSYTC8CRN
Double bar 3 mm (standard)	NSYTDBCNRN
Double bar 5 mm	NSYTDB5PLA
Triangular 6.5 mm CNOMO	NSYTT6CRN
Triangular 8 mm	NSYTT8CRN

Handles with push-button release (delivered with insert ref. NSYTT8CRN)

Description	Reference
Key lock 1242 E	NSYTHL1242EPLM
Key lock 405	NSYTHL405PLM
Key lock 421	NSYTHL421PLM
Key lock 455	NSYTHL455PLM
Key lock 2331 A	NSYTHL2331APLM
Key lock 2433 A	NSYTHL2433APLM
Key lock 3113 A	NSYTHL3113APLM



(1) Incompatible with locking handle.
(2) Locks not referenced, to special order only.
Consult our local sales office.
Note: the locks are not adaptable on lock screw models.

Kit comprises 2 rings and 6 cams with assembly instruction sheet for another type of cylindrical lock (2).

Metallic junction boxes

IP 55 (IEC 60529)

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NSYDA2520M



NSYDBN1510

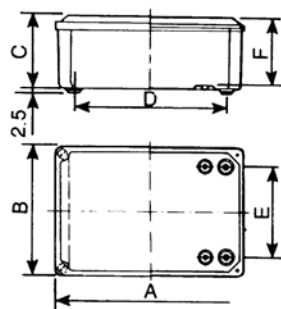
Metallic boxes made of sheet-steel protected inside and outside with textured epoxy-polyester paint in RAL 7035 grey.

The SDB series consists of 4 basic models:

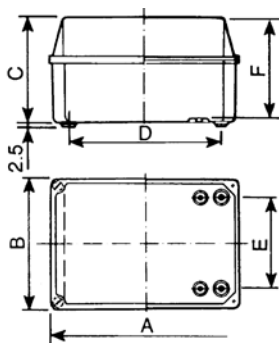
- Without knock-outs: **NSYDBN** with low cover and **NSYDAN** with high cover.
- With knock-outs: **NSYDB...M** with low cover and **NSYDA...M** with high cover.
- PVC sealing gasket on sizes up to 20/15 and a rubber gasket for > 25/20.
- IBack ready for threaded drill holes for fixing equipment. From size 15/10 and up, there are four M4 threaded holes fitted with removable plugs for direct fixing of the mounting plate.
- Direct wall-fixing by means of drill holes fitted with plastic plugs to ensure sealing.

Dimensions (mm)

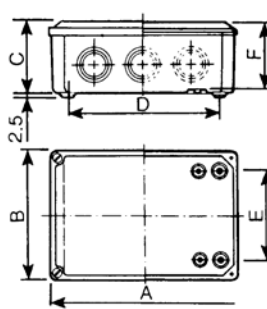
NSYDBN



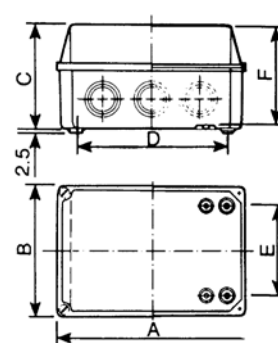
NSYDAN



NSYDB...M



NSYDA...M



Models, dimensions and references

	External dimensions (mm)			Models without knock-outs	Models with knock-outs, n° of drill holes, knock-outs and group			Dimensions (mm)			Plain mounting plate	Weight (kg)
	Height (A)	Width (B)	Depth (C)	Reference	Reference	Height (A)	Width (B)	D	E	F		
Low cover models	85	85	49	NSYDBN88	NSYDB88M	1 n° 1	1 n° 1	58	58	-	-	0.18
	105	105	49	NSYDBN1010	NSYDB1010M	2 n° 1	1 n° 1	76	76	-	-	0.25
	155	105	61	NSYDBN1510	NSYDB1510M	3 n° 1	1 n° 2	124	74	56	NSYPMD1510	0.38
	206	156	83	NSYDBN2015	NSYDB2015M	3 n° 3	2 n° 3	172	122	78	NSYPMD2015	1
	256	206	93	NSYDBN2520	NSYDB2520M	3 n° 4	2 n° 4	220	170	88	NSYPMD2520	1.5
	307	257	116	NSYDBN3025	NSYDB3025M	2 n° 3, 2 n° 4	3 n° 4	268	218	110	NSYPMD3025	3.3
	357	307	136	NSYDBN3530	NSYDB3530M	2 n° 3, 3 n° 4	2 n° 3, 2 n° 4	318	268	130	NSYPMD3530	4.8
High cover models	155	105	88	NSYDAN1510	NSYDA1510M	3 n° 2	1 n° 2	124	74	83	NSYPMD1510	0.45
	206	156	122	NSYDAN2015	NSYDA2015M	3 n° 3	2 n° 3	172	122	121	NSYPMD2015	1.2
	256	206	140	NSYDAN2520	NSYDA2520M	3 n° 4	2 n° 4	220	170	131	NSYPMD2520	1.9

Thermoplastic industrial boxes

Introduction

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General features

- Large range of dimensions (H, W, D).
- High or low, opaque or transparent cover.
- Boxes that can be coupled (exactly the same dimensions) with kit ref. **13934AB**.
- Locks from box size of 116 x 116 x 62 mm:
 - Cover locking by 4 plastic captive screws with coarse thread outside the sealed area.
 - Plumbable lock.
- Locks from box size of 138 x 93 x 72 mm:
 - The standard screws (flat screwdriver) can be replaced with other standardised screws.
- The 4 “legs” of the cover ensure its robustness and perfect support during customisation operations.
- Adaptable hinges on all the 20- and 40-mm covers (page 1/12).

Materials

- ABS boxes:
 - IK 07 (2J) according to IEC 62262.
 - Glow wire resistance: 650 °C according to IEC 60695-2-11.
 - Usage temperature: -25 °C...+60 °C.
 - Installation temperature: -15 °C...+40 °C.
- Polycarbonate boxes:
 - IK 08 (5J) according to IEC 62262.
 - Glow wire resistance: 960 °C.
 - Usage temperature: -25 °C...+80 °C.
 - Installation temperature: -15 °C...+60 °C.
 - Certified according to UL 508A.

Fixing the box

- Outside the sealed sensitive volume by the 4 chimneys in the corners from box size of 138 x 93 x 72 mm.
- Through the rear of the box by 2 or 4 elongated holes to be perforated.
- With fixing lugs from box size of 116 x 116 x 62 mm (ref. **NSYAEFTB**).

Equipment installation

- Studs for fixing the equipment in the body and the cover of the box by means of a x 4-mm self-tapping screw (ref. **NSYAMFSTB**, screw x 4 x 10 mm with Pozidriv and slotted head).
- Option of installing rails, plates or other types of supports (card, etc.).
- Spacers and stand-offs to be installed on the studs, for adjusting the height of the equipment.

Technical features

- IP 66 according to IEC 60529.
- NEMA 4.4X according to Nema 250.
- Class II according to IEC 61140.
- Colour:
 - Body: RAL 7035 grey.
 - Cover: RAL 7035 grey or tinted transparent.
- Insulating, halogen-free plastic materials.
- Resistance to chemical and atmospheric agents: see technical appendices.

Thermal dissipation

- Use a suitable calculation method according to IEC 60890.
- Anti-condensation valves available as an accessory, prevent the build-up of moisture inside the box.



ABS or polycarbonate boxes with low cover

- IP 66 - NEMA 4.4X.
- IK 07 (ABS) - IK 08 (PC).
- RAL 7035 grey.
- Boxes 54 to 128 mm deep with 10- to 20-mm covers.
- Opaque or transparent cover.
- Hinges: as accessories and only for the 20-mm covers.

Overall external dimensions (mm)			Overall internal dimensions (mm)			Body (mm)	Cover (mm)	Minor pack.	Cover screw	ABS boxes IP 66 - IK 07		PC-UL boxes IP 66 - IK 08	
										Cover		Cover	
Height	Width	Depth	Height	Width	Depth					Opaque		Transparent	
74	74	54	65	65	47	37	10	5	Metal	NSYTBS775	-	NSYTBP775	-
89	89	54	80	80	47	37	10	5	Metal	NSYTBS885	-	NSYTBP885	-
116	74	62	105	65	55	45	10	5	Metal	NSYTBS1176	-	NSYTBP1176	-
116	116	62	105	105	55	45	10	5	Plastic	NSYTBS11116	-	NSYTBP11116	-
138	93	72	125	80	65	45	20	2	Plastic	NSYTBS1397	NSYTBS1397T	NSYTBP1397	NSYTBP1397T
164	121	87	150	105	80	60	20	2	Plastic	NSYTBS16128	NSYTBS16128T	NSYTBP16128	NSYTBP16128T
192	121	87	175	105	80	60	20	2	Plastic	NSYTBS19128	NSYTBS19128T	NSYTBP19128	NSYTBP19128T
192	164	87	175	150	80	60	20	1	Plastic	NSYTBS19168	NSYTBS19168T	NSYTBP19168	NSYTBP19168T
241	194	87	225	175	80	60	20	1	Plastic	NSYTBS24198	NSYTBS24198T	NSYTBP24198	NSYTBP24198T
241	194	107	225	175	100	80	20	1	Plastic	NSYTBS241910	NSYTBS241910T	NSYTBP241910	NSYTBP241910T
291	241	88	275	225	80	60	20	1	Plastic	NSYTBS29248	NSYTBS29248T	NSYTBP29248	NSYTBP29248T
291	241	128	275	225	120	100	20	1	Plastic	NSYTBS292412	NSYTBS292412T	NSYTBP292412	NSYTBP292412T
341	291	128	325	275	120	100	20	1	Plastic	NSYTBS342912	NSYTBS342912T	NSYTBP342912	NSYTBP342912T



ABS or polycarbonate boxes with high cover

- IP 66 - NEMA 4.4X.
- IK 07 (ABS) - IK 08 (PC).
- RAL 7035 grey.
- Boxes 94 to 168 mm deep with 40- to 80-mm covers.
- Opaque or transparent cover.
- Hinges: as accessories and only for the 40-mm covers.

Overall external dimensions (mm)			Overall internal dimensions (mm)			Body (mm)	Cover (mm)	Minor pack.	Cover screw	ABS boxes IP 66 - IK 07		PC-UL boxes IP 66 - IK 08	
										Cover		Cover	
Height	Width	Depth	Height	Width	Depth					Opaque		Transparent	
116	74	94	105	65	85	45	40	3	Metal	NSYTBS1179H	-	-	-
116	116	133	105	105	125	45	80	2	Plastic	NSYTBS111113H	-	-	-
192	121	105	175	105	100	60	40	2	Plastic	NSYTBS191210H	NSYTBS191210HT	NSYTBP191210H	NSYTBP191210HT
192	164	105	175	150	100	60	40	1	Plastic	NSYTBS191610H	NSYTBS191610HT	NSYTBP191610H	NSYTBP191610HT
241	194	107	225	175	100	60	40	1	Plastic	NSYTBS241910H	NSYTBS241910HT	NSYTBP241910H	NSYTBP241910HT
241	194	127	225	175	120	80	40	1	Plastic	NSYTBS241912H	NSYTBS241912HT	NSYTBP241912H	NSYTBP241912HT
291	241	128	275	225	120	60	60	1	Plastic	NSYTBS292412H	NSYTBS292412HT	NSYTBP292412H	NSYTBP292412HT
291	241	168	275	225	160	100	60	1	Plastic	NSYTBS292416H	NSYTBS292416HT	NSYTBP292416H	NSYTBP292416HT
341	291	168	325	275	160	100	60	1	Plastic	NSYTBS342916H	NSYTBS342916HT	NSYTBP342916H	NSYTBP342916HT

Thermoplastic industrial boxes

Dimensions

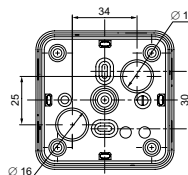
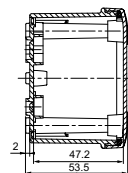
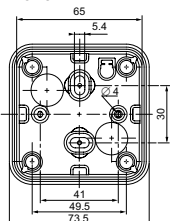
1

Box of 74 x 74 x 54 mm (external dimensions) NSYTB...775

Interior

Side

Rear

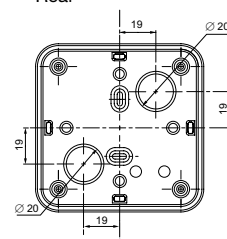
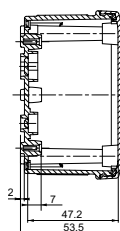
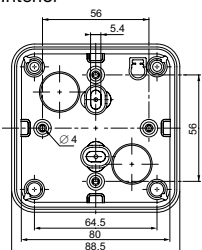


Box of 89 x 89 x 54 mm (external dimensions) NSYTB...885

Interior

Side

Rear

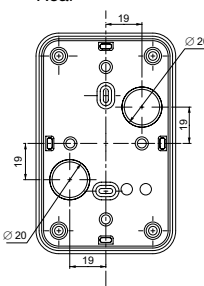
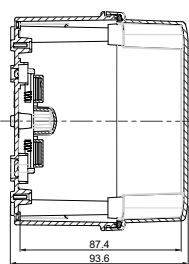
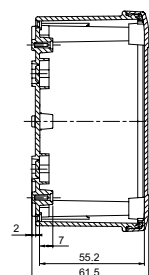
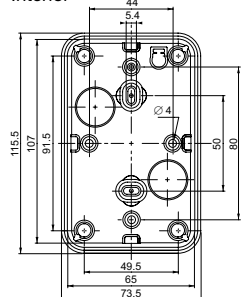


Box of 116 x 74 x 62 or 94 mm (external dimensions) NSYTB...1176 or NSYTB...1179

Interior

Side

Rear



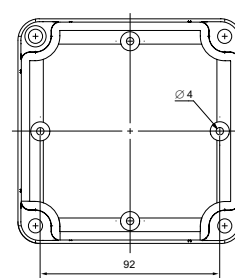
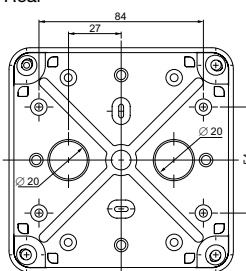
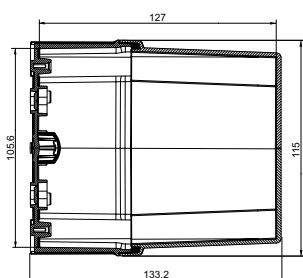
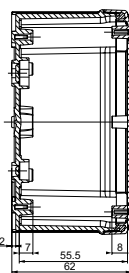
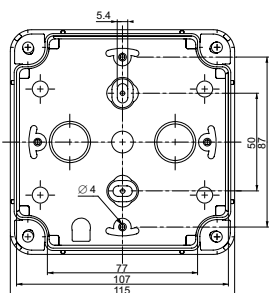
Box of 116 x 116 x 62 or 133 mm (external dimensions) NSYTB...11116 or NSYTB...11113

Interior

Side

Rear

Cover



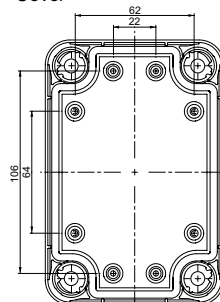
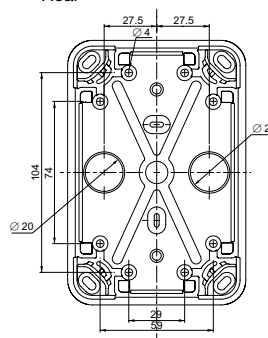
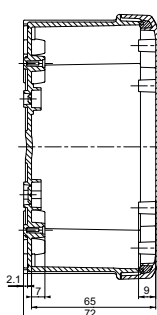
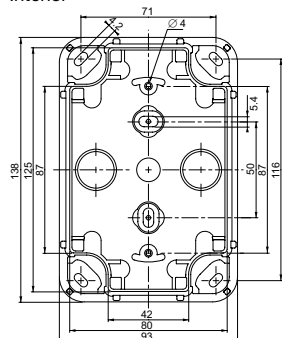
Box of 138 x 93 x 72 mm (external dimensions) NSYTB...1397

Interior

Side

Rear

Cover



Thermoplastic industrial boxes

Dimensions summary table

For box dimensions 125 x 80 x 65 to 325 x 275 x 160
(internal dimensions)

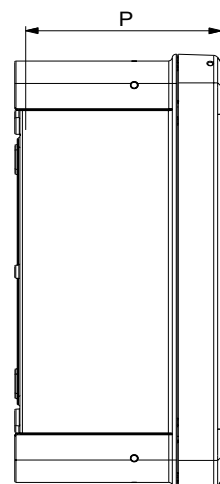
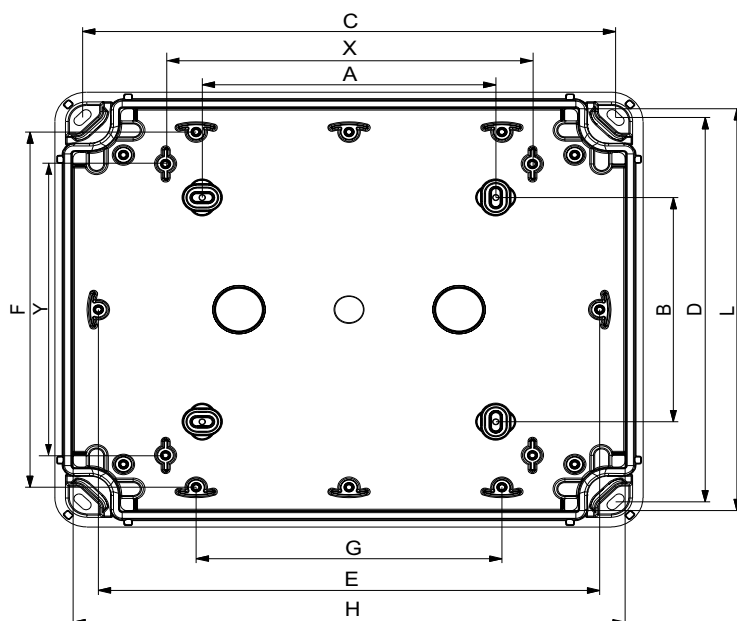
Internal dimensions (mm)			Fixing of the box (mm) (marking on the outside)				Fixing of accessories (mm) (marking on the inside)					Box reference base with and without transparent cover*	
H	L	P	A	B	C	D	E	F	G	X	Y		
65	65	47	30	-	-	-	-	41	-	-	-	NSYTBS775	NSYTBP775
80	80	47	30	-	-	-	56	56	-	-	-	NSYTBS885	NSYTBP885
105	65	55	50	-	-	-	80	44	-	-	-	NSYTBS1176	NSYTBP1176
105	65	85	50	-	-	-	80	44	-	-	-	NSYTBS1179H	-
105	105	55	50	-	-	-	87	87	-	-	-	NSYTBS11116	NSYTBP11116
105	105	125	50	-	-	-	87	87	-	-	-	NSYTBS111113H	-
125	80	65	50	-	116	71	87	-	-	-	-	NSYTBS1397	NSYTBP1397
150	105	80	50	-	141	98	130	87	-	95	-	NSYTBS16128	NSYTBP16128
175	105	80	100	-	170	98	158.5	87	-	136	-	NSYTBS19128	NSYTBP19128
175	105	100	100	-	170	98	158.5	87	-	136	-	NSYTBS191210H	NSYTBP191210H
175	150	80	100	100	170	141	158.5	130	-	136	65	NSYTBS19168	NSYTBP19168
175	150	100	100	100	170	141	158.5	130	-	136	65	NSYTBS191610H	NSYTBP191610H
225	175	80	120	100	218	171.5	205	158.5	125	150	130	NSYTBS24198	NSYTBP24198
225	175	100	120	100	218	171.5	205	158.5	125	150	130	NSYTBS241910H	NSYTBP241910H
225	175	100	120	100	218	171.5	205	158.5	125	150	130	NSYTBS241910	NSYTBP241910
225	175	120	120	100	218	171.5	205	158.5	125	150	130	NSYTBS241912H	NSYTBP241912H
275	225	80	200	120	268.5	218.5	255	205	125	221	161	NSYTBS29248	NSYTBP29248
275	225	120	200	120	268.5	218.5	255	205	125	221	161	NSYTBS292412H	NSYTBP292412H
275	225	120	200	120	268.5	218.5	255	205	125	221	161	NSYTBS292412	NSYTBP292412
275	225	160	200	120	268.5	218.5	255	205	125	221	161	NSYTBS292416H	NSYTBP292416H
325	275	120	200	200	319	269	305	255	125	250	210	NSYTBS342912	NSYTBP342912
325	275	160	200	200	319	269	305	255	125	250	210	NSYTBS342916H	NSYTBP342916H

*Identical features for the boxes with transparent covers. Add a T at the end of the reference.

H: Height

L: Width

P: Depth



1

Overall external dimensions (mm)			Overall internal dimensions (mm)			Set of 2 hinges	Set of 4 fixing lugs	Galvanised-steel plate	Insulating plate	Terminal-block support bar
Height	Width	Depth	Height	Width	Depth					
74	74	54	65	65	47	-	-	-	-	-
89	89	54	80	80	47	-	-	-	-	-
116	74	62	105	65	55	-	-	-	-	-
116	116	62	105	105	55	-	NSYAEFTB	-	-	-
138	93	72	125	80	65	NSYAEDH20TB	NSYAEFTB	-	-	-
164	121	87	150	105	80	NSYAEDH20TB	NSYAEFTB	-	-	-
192	121	87	175	105	80	NSYAEDH20TB	NSYAEFTB	-	-	IMT34000
192	121	105	175	105	100	NSYAEDH40TB	NSYAEFTB	-	-	IMT34000
192	164	87	175	150	80	NSYAEDH20TB	NSYAEFTB	NSYAMP1916TB	NSYAMPA1916TB	IMT34000
192	164	105	175	150	100	NSYAEDH40TB	NSYAEFTB	NSYAMP1916TB	NSYAMPA1916TB	IMT34000
241	194	87	225	175	80	NSYAEDH20TB	NSYAEFTB	NSYAMP2419TB	NSYAMPA2419TB	IMT34000 or IMT34001
241	194	107	225	175	100	(1) NSYAEDH20TB or NSYAEDH40TB	NSYAEFTB	NSYAMP2419TB	NSYAMPA2419TB	IMT34000 or IMT34001
241	194	127	225	175	120	NSYAEDH40TB	NSYAEFTB	NSYAMP2419TB	NSYAMPA2419TB	IMT34000 or IMT34001
291	241	88	275	225	80	NSYAEDH20TB	NSYAEFTB	NSYAMP2924TB	NSYAMPA2924TB	IMT34001 or IMT34002
291	241	128	275	225	120	-	NSYAEFTB	NSYAMP2924TB	NSYAMPA2924TB	IMT34001 or IMT34002
291	241	128	275	225	120	(1) NSYAEDH20TB or -	NSYAEFTB	NSYAMP2924TB	NSYAMPA2924TB	IMT34001 or IMT34002
291	241	168	275	225	160	-	NSYAEFTB	NSYAMP2924TB	NSYAMPA2924TB	IMT34001 or IMT34002
341	291	128	325	275	120	NSYAEDH20TB	NSYAEFTB	NSYAMP3429TB	NSYAMPA3429TB	IMT34002
341	291	168	325	275	160	-	NSYAEFTB	NSYAMP3429TB	NSYAMPA3429TB	IMT34002

(1) Several cover depths for the same external dimensions.

Anti-corrosion valve and coupling kit



IP66 ventilation and coupling accessories	Ref.
Valve, 16 litres/h, Ø 12	NSYCAG12LPH1
Valve, 120 litres/h, Ø 12	NSYCAG12LPH2
Coupling kit, Ø 32	13934

Fixings



Stand-offs and spacers	Ref.
Set of four 15-mm spacers	NSYAMFEP154TB
Set of four 20-mm spacers	NSYAMFEP204TB
Set of four 30-mm spacers	NSYAMFEP304TB
Set of four 15-mm self-tapping stand-offs	NSYAMFET154TB
Set of four 20-mm self-tapping stand-offs	NSYAMFET204TB
Set of four 30-mm self-tapping stand-offs	NSYAMFET304TB
Batch of 50 M4 screws for stand-offs and spacers	NSYAMFESTB

Screws for accessories	Ref.
Pack of 100 4-mm Pozidrive and slotted self-tapping screws	NSYAMFSTB

Cable glands and quick entries



	M12	M16	M20	M25	M32	M40
IP 68 cable glands (1)	ISM71501	ISM71502	ISM71503	ISM71504	ISM71505	ISM71506
IP 67 quick entries (2)	IMT36179	IMT36180	IMT36181	IMT36182	IMT36183	IMT36184

(1) Other dimensions.

(2) Other dimensions.

Terminal blocks



Terminal blocks	Ref.	Ref.	Ref.
4-hole terminal blocks	Black (live)	Blue (neutral)	Green (earth)
2 x 10 ² + 2 x 16 ²	IMT34003	IMT34005	IMT34007
3 x 16 ² + 1 x 25 ²	IMT34004	IMT34006	IMT34008



Complete range of weatherproof and versatile enclosures, from economical mini-enclosures of reduced dimensions, up to 54 modules available.

Material

Self-extinguishing insulating material (polystyrol), flame and abnormal heat resistance: 650°C - 750°C as per IEC 60695-2-1.

Surface finish

- Colour: light grey RAL 7035
- Semi-transparent door

Protection category

- IP 65 as per IEC 60529

External mechanical impact resistance

- IK 09 as per EN 50102

Technical characteristics

- Total insulation: class 2
- Operating temperature: -250°C to +60°C
- Provisions of earthing terminals in all models
- Resistance to chemical and atmospheric agents
- Possibility of coupling of two enclosures while maintaining IP 65 and allowing the cable passage
- Back with PG and ISO concentric knock-outs

Accessories

- Association kit
- Wall fixing brackets
- Terminal block support
- Terminal blocks
- IP2 covers
- Sealing
- Keylock insert
- Wiring strap
- Blanking plate
- Plain chassis
- Perforated plate
- Clip nut
- Selftapping screws
- IP 67 and IP 55 cable entries
- Cable guard

1



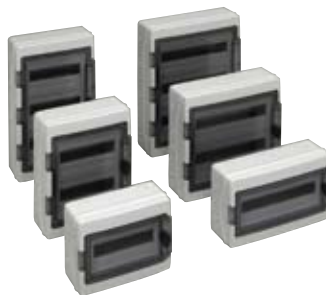
Mixte

External dimensions (mm)			Reference	Plain plate	Perforated plate
H	W	D			
460	340	160	ENN82060	ENN82600	ENN82610
460	340	160	ENN82061	ENN82601	ENN82611
460	340	160	ENN82062	ENN82602	ENN82612
460	340	160	ENN82063	ENN82603	ENN82613



Mini-Ed

External dimensions (mm)			Reference	Number of modules	Number of rows
H	W	D			
150	80	98	ENN82001	3	1
200	123	112	ENN82002	4	1
200	159	112	ENN82003	6	1
200	195	112	ENN82004	8	1
200	267	112	ENN82005	12	1



Ed

External dimensions (mm)			Reference	Number of modules	Number of rows
H	W	D			
280	340	160	ENN82010	12	1
280	448	160	ENN82020	18	1
460	340	160	ENN82011	24	2
460	448	160	ENN82021	36	2
610	340	160	ENN82012	36	3
610	448	160	ENN82022	54	3



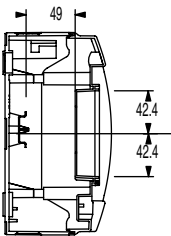
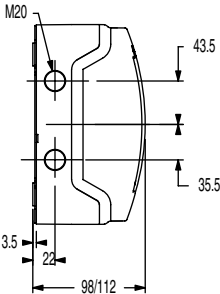
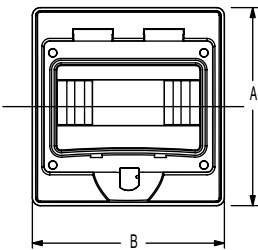
Universal

External dimensions (mm)			Reference	Number of modules	Number of rows	Plain plate	Perforated plate
H	W	D					
335	340	160	ENN82052	12	1		
460	138	160	ENN82050	18	1	ENN82604	ENN82614
460	236	160	ENN82051	24	2	ENN82604	ENN82614
460	340	160	ENN82053	36	2	ENN82604	ENN82614

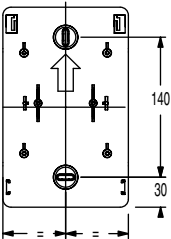
IP 65 Enclosures

Dimensions

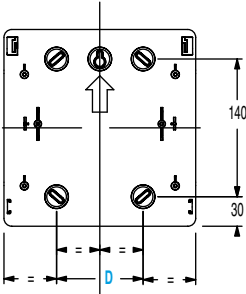
Modular mini-enclosures



3, 4 and 6 modules

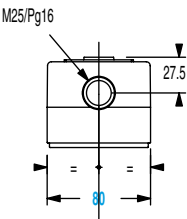


8 and 12 modules

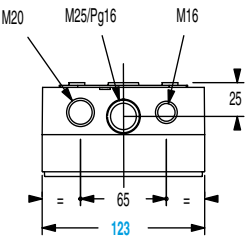


Reference	External dimensions (mm)					Load (g)
	Height (A)	Width (B)	Depth (C)	Number of modules	D	
82001	150	80	98	3	-	300
82002	200	123	112	4	-	450
82003	200	159	112	6	-	500
82004	200	195	112	8	88	700
82005	200	267	112	12	160	900

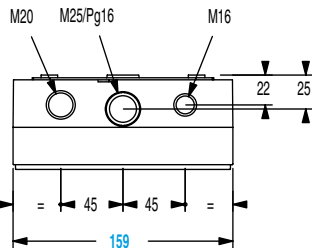
3 modules



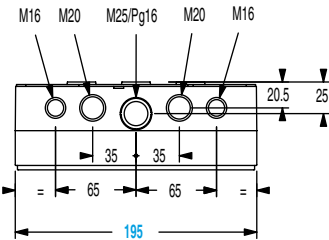
4 modules



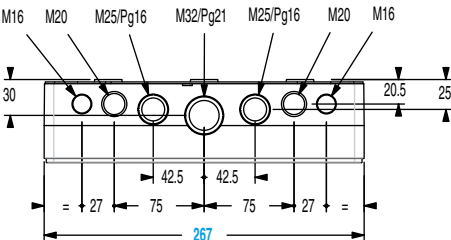
6 modules



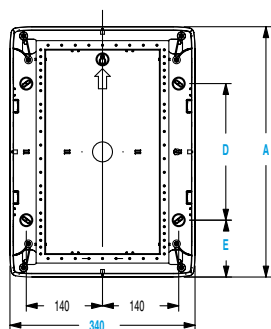
8 modules



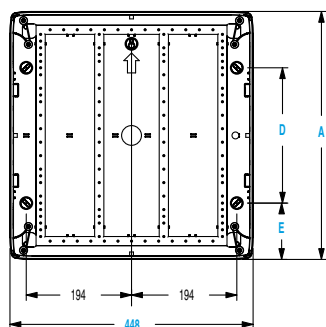
12 modules



Large-capacity modular enclosures

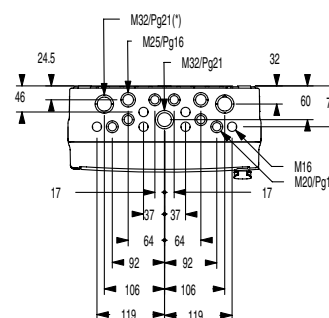
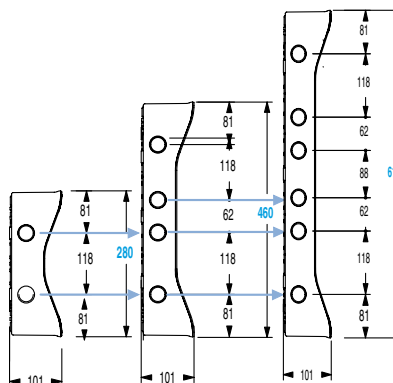


Technical drawing of the M321 lock assembly. The left view is a front elevation showing a rectangular lock body with two horizontal slots and a handle on the right. The right view is a side elevation showing the lock's profile with dimensions: 32 (width), 81 (height of the top section), 118 (height of the middle section), 62 (height of the bottom section), and 118 (height of the bottom section). The total height is 321. The side view also shows the handle and the mounting plate with four screws. The label 'M321' is present in the top right corner.



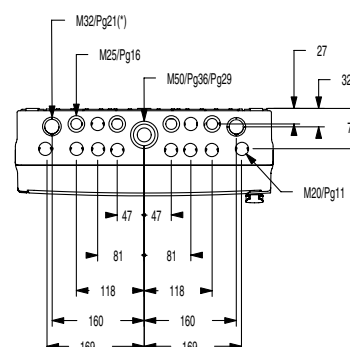
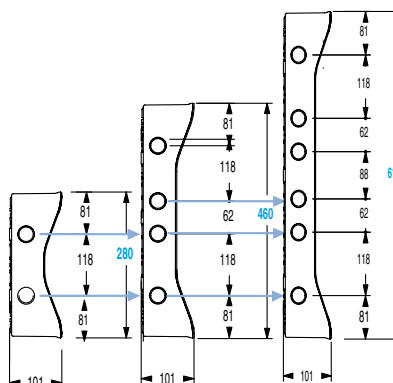
Reference	External dimensions (mm)						
	Height (A)	Width (B)	Depth (C)	Number of modules	D	E	Load (g)
82010	280	340	160	12	118	81	1900
82011	460	340	160	24	251	104.5	3100
82012	610	340	160	36	401	104.5	4100

*) Prepared cut-outs for coupling two enclosures.



Reference	External dimensions (mm)					D	E	Load (g)
	Height (A)	Width (B)	Depth (C)	Number of modules				
82020	280	448	160	18	118	81	2400	
82021	460	448	160	36	251	104.5	3850	
82022	610	448	160	54	401	104.5	4150	

*) Prepared cut-outs for coupling two enclosures.

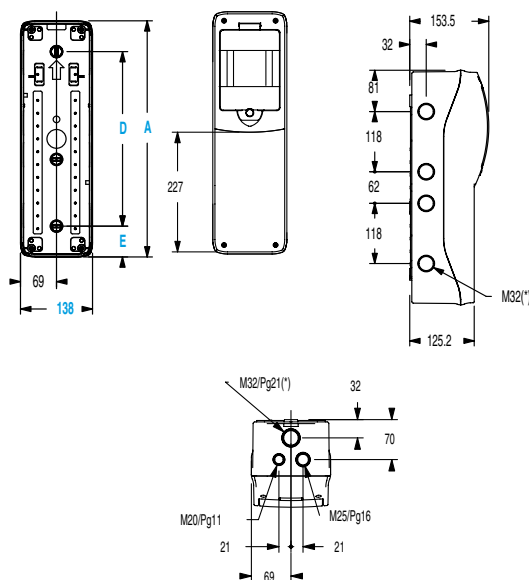


IP 65 Enclosures

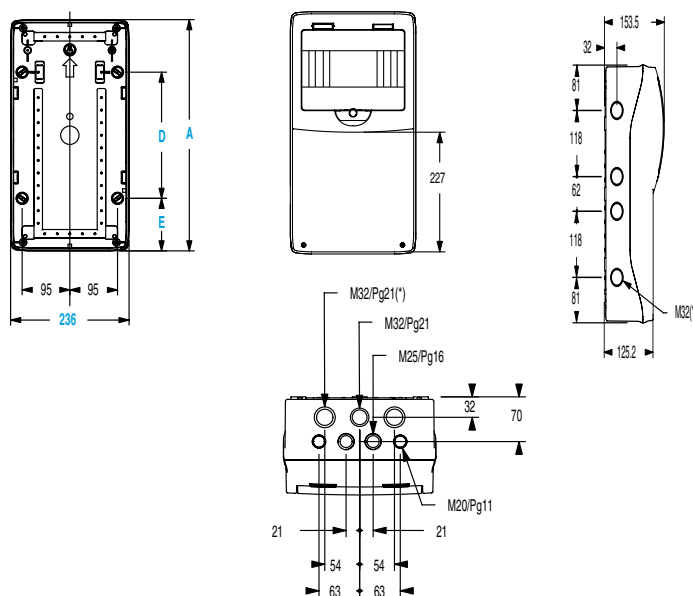
Dimensions

Mixed enclosures

5 modules



8 modules



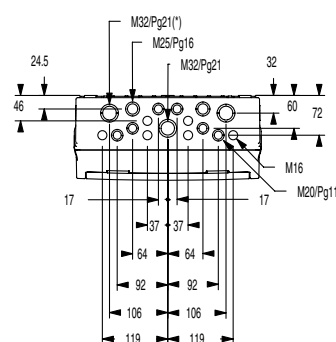
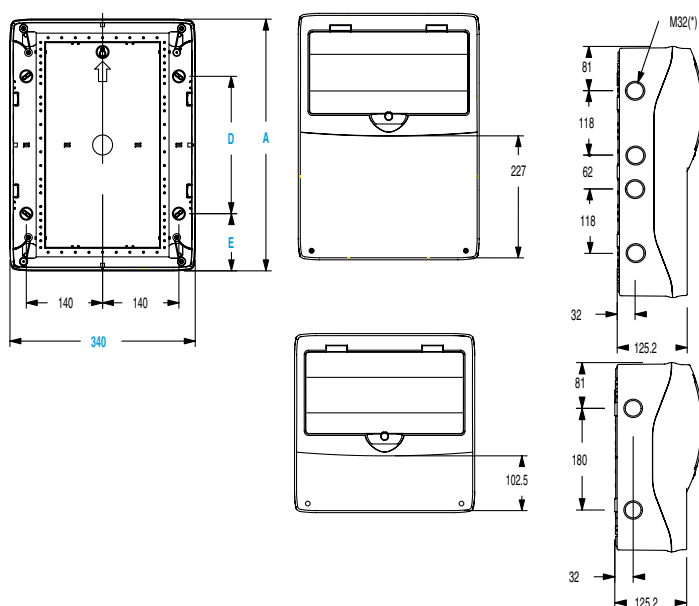
External dimensions (mm)							
Reference	Height (A)	Width (B)	Depth (C)	Number of modules	D	E	Load (g)
82050	460	138	160	5	340	60	1200

(*) Prepared cut-outs for coupling two enclosures.

External dimensions (mm)							
Reference	Height (A)	Width (B)	Depth (C)	Number of modules	D	E	Load (g)
82051	460	236	160	8	251	104.5	1600

(*) Prepared cut-outs for coupling two enclosures.

13 modules



External dimensions (mm)							
Reference	Height (A)	Width (B)	Depth (C)	Number of modules	D	E	Load (g)
82052	335	340	160	13	170	82.5	1800
82053	460	340	160	13	251	104.5	2500

(*) Prepared cut-outs for coupling two enclosures.

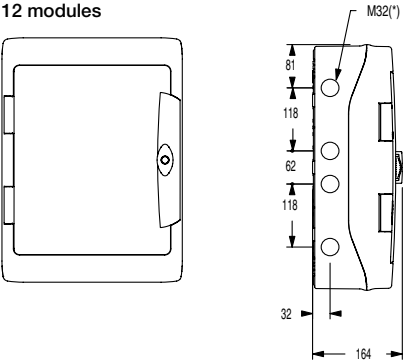
IP 65 Enclosures

Dimensions

1

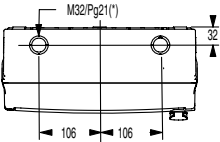
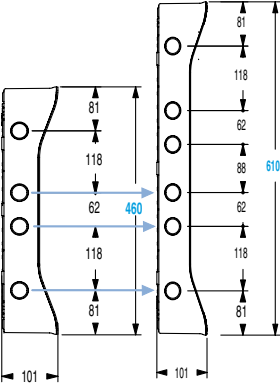
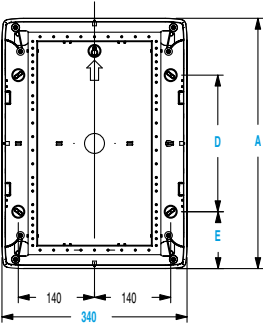
Non-modular universal enclosures

12 modules

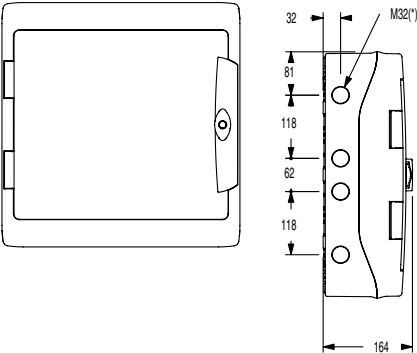


Reference	External dimensions (mm)					Load (g)
	Height (A)	Width (B)	Depth (C)	D	E	
82060	460	340	160	251	104.5	2500
82062	460	340	160	401	104.5	3500

(*) Prepared cut-outs for coupling two enclosures.

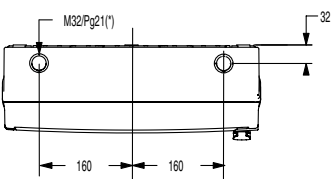
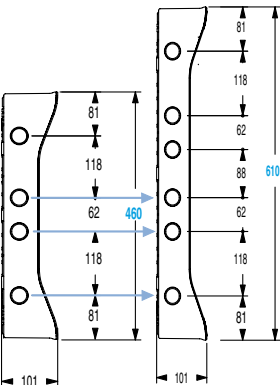
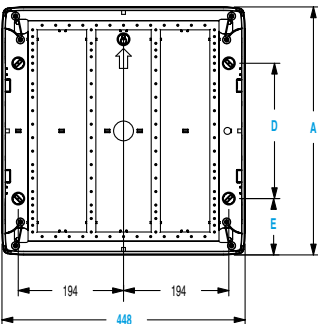


18 modules



Reference	External dimensions (mm)					Load (g)
	Height (A)	Width (B)	Depth (C)	D	E	
82061	460	448	160	251	104.5	3250
82063	610	448	160	401	104.5	3650

(*) Prepared cut-outs for coupling two enclosures.





Wide range

- Dimensional (H, W, D)
- Functional: boxes with cable entries, for cable gland, with smooth faces
- Applications: for connection of safety circuits, boxes pre-equipped with terminal blocks

Installation system

- Consistency of dimensions enabling association of boxes between themselves and with other products of the MUREVA family (equipment, enclosures)

Ease of installation

- Captive cover, retained by link
- Fixing with positioning compensation (oblong holes)
- Several solutions for box fixing on support to adapt to all work situations and habits
- For the most common size boxes (sizes $\leq 105 \times 105$ mm):
Single point fixing:
 - via central stud using Murafix plug ref. 48934 and 48935, or using standard plug and screw,
 - via this same central stud using HILTI powder or gas nailer through oblong holes2-point fixing through oblong holes with plugs and standard screws or using HILTI gas nailer
- For large size boxes (sizes $> 105 \times 105$ mm):
2 or 4-point fixing:
 - outside usable volume via chimneys,
 - through oblong holes with plugs and standard screws using HILTI gas nailer,
 - external to box using fixing lugs ref. 08161
- Simple box marking using felt pen or label

Technical characteristics

- IP 55 to IEC 60529
- IK 07 (2J) to EN 50102
- Class II to IEC 536 assured by protection plugs (supplied) and fixing screws
- Flame resistance to IEC 60695-2-11:
650°C, boxes $< 105 \times 105$ mm,
750°C, boxes $\geq 105 \times 105$ mm,
960°C, red boxes

Size box	Composition	Operating temperature
$< 100 \times 65$	body in ABS, cover in polypropylene (PP)	-25... +40°C
$< 100 \times 100$	body and cover in polypropylene (PP)	-30... +60°C

- Colour: grey RAL 7035, white RAL 9010 or red RAL 3000
- Self-extinguishing plastics material, halogen-free or slightly halogenated (red boxes)

Certifications

- EN 60670 certified by TÜV
- IMQ
- Product Environmental Profile



Selection guide



Internal dimensions (mm)			Internal dimensions (mm) (without entry)			Boxes with entries	Boxes with knock-outs	Boxes with smooth faces	Boxes for safety circuits (red) 960°C	Accessories	Boxes pre-equipped with terminal
H	W	D	H	W	D	IP 55 - IK 07					
60		40	69		49	●				●	
65	65	45	74	74	54	●	●			●	
80	80	45	89	89	51	●	●	●	●	●	●
105	65	55	116	74	62	●	●			●	●
	105	55	116	116	62	●	●	●	●	●	
125	80	65	138	93	72					●	
150	105	80	193	121	87	●	●		●	●	
175	105	80	193	121	87					●	
	150	80	193	164	87	●	●			●	
225	175	100	241	194	107	●	●			●	
275	225	120	291	241	128	●	●			●	
325	275	120	341	291	128	●	●			●	

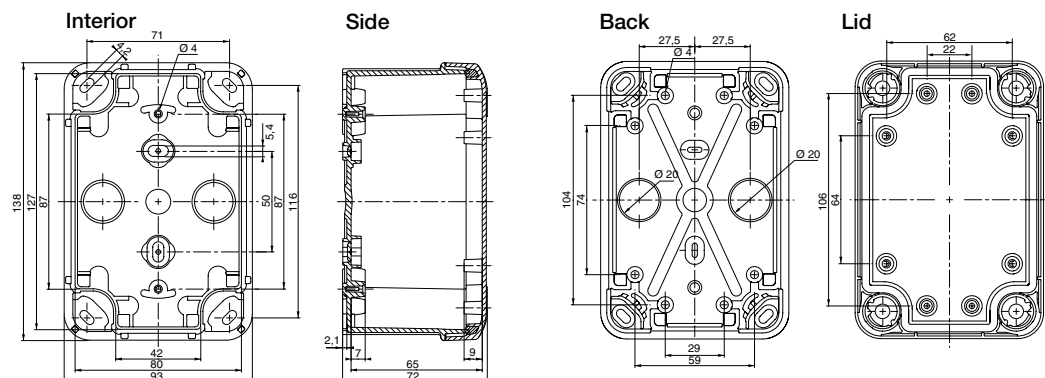


HILTI nailers are particularly adapted to fixing MUREVA boxes.

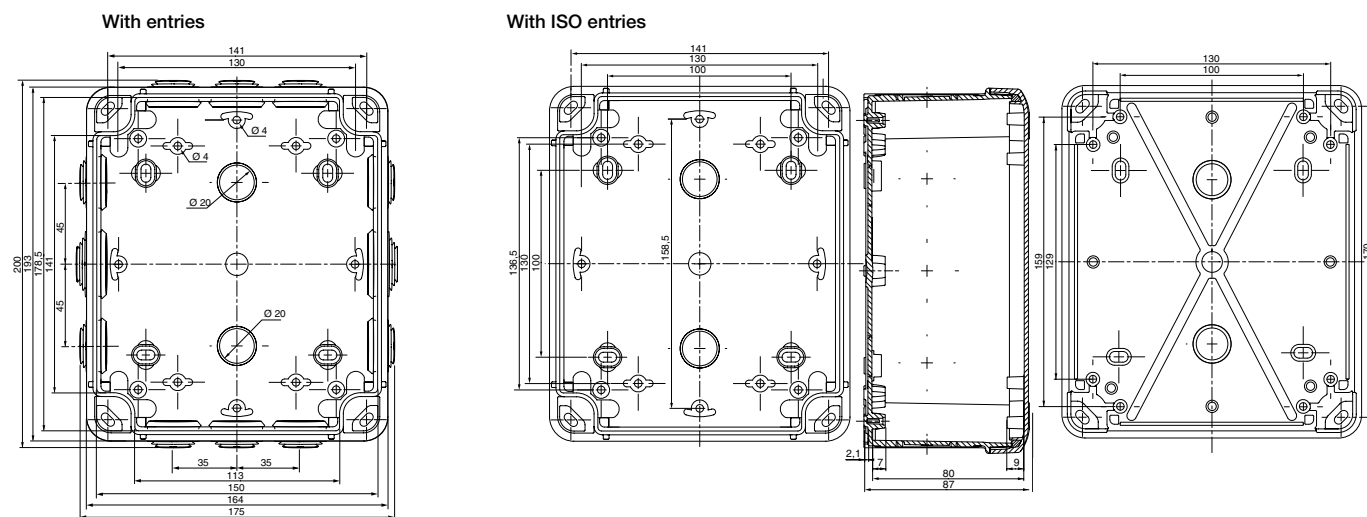
Boxes

Dimensions

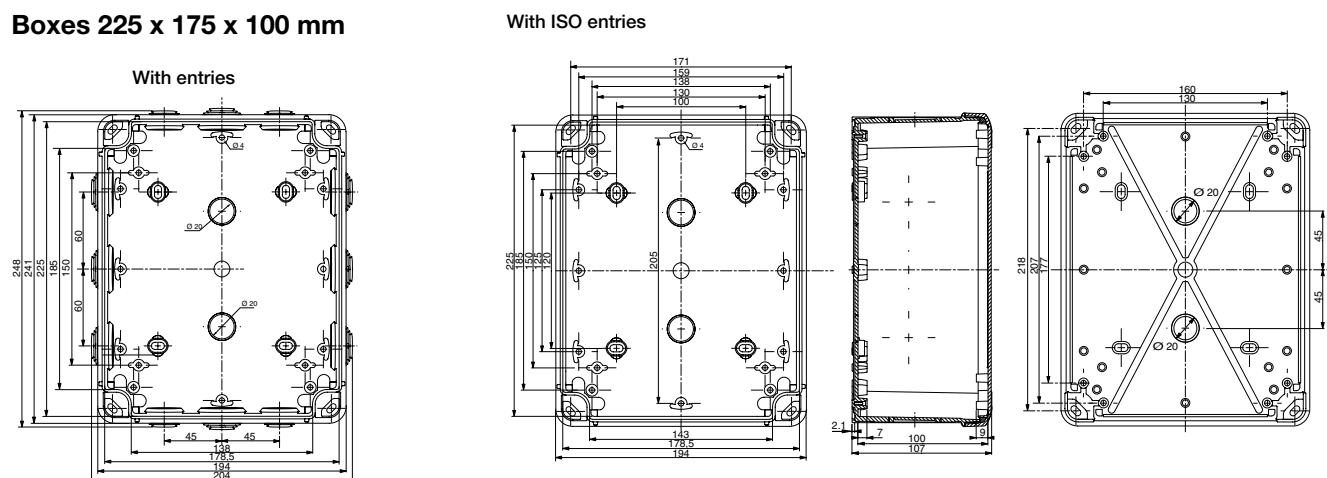
Boxes 125 x 80 x 65 mm



Boxes 175 x 150 x 80 mm



Boxes 225 x 175 x 100 mm



2

Steel wall-mounting enclosures

2



S3D Steel wall-mounting enclosures 2/2

Selection guide 2/4

Dimensions 2/8

Accessories 2/9

Applications 2/16



Spacial S3DEX for potentially explosive atmospheres (ATEX) 2/18



Single-door enclosure.



Double-door enclosure.



Enclosure with galvanised plain mounting plate.



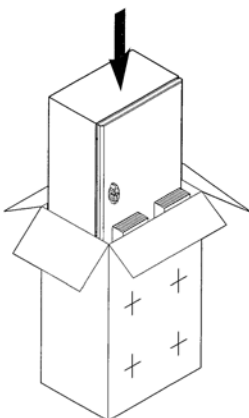
Enclosure with glazed door.



Welded studs for the earth connection.



Cable-gland plate with marking.



Delivered in a reusable cardboard box with assembly instructions enclosed and wall-mounting template on the cardboard.



Double-bar lock.

The Spacial S3D steel enclosure universal offer.

Three steel enclosure definitions are available:

- Enclosure with plain door.
- Enclosure with plain door delivered with a galvanised plain mounting plate, not installed.
- Enclosure with glazed door, 4-mm-thick Securit® glass.

Structured finish, epoxy-polyester powder, RAL 7035 grey colour.

- Selection guide, page 2/4

Technical description:

Enclosure body:

- Single-piece body (cross-shaped structure). Gutter-shaped front profile with double fold. Flat rear.
- 4 (or 6**) M8 x 25 shouldered backstuds for installing mounting plates and step slides, leaving a space of 10 mm behind them.
- M6 x 16 earthing screws for equipotential connection between the door and the body of the enclosure.
- Cable-gland plate with marking for easy drilling and to guarantee the maximum access surface; delivered with the enclosure. This plate is flush with the body of the enclosure.
- Direct wall-mounting (4 x 10 holes for the sealing plugs guaranteeing the IP) or with the help of fixing lugs installed from the outside.

Enclosure door:

- Wall-mounting enclosure supplied with 3-mm double-bar lock as standard.
- Polyurethane door gasket.
- M6 x 16 earthing screws for equipotential connection between the door and the body of the enclosure.
- Easily removable and reversible, with 20-mm return with double thickness granting excellent rigidity, opening to 120°, equipped with 2 or 3 invisible hinges*.
- Door opening to 180° with optional hinges.
- For heights from 600 mm, three locking points with linkage, with a single control point. Simple reversal of linkage. Maximum load: 50 kg/m².
- A handle is delivered which provides 2 functions:
 - Operating key.
 - Tool for loosening the stud protection caps. This handle can be solidly attached to the locking system by means of a captive element.
- Perforated rails on the door, with drill holes with a diameter of 4.2 mm in steps of 25 mm:
 - 2 vertical rails from the height of 400 mm,
 - 2 vertical rails and 2 horizontal rails from the width of 800 mm.

* From the height of 800 mm.

** Widths of 1000 and 1200 mm.

Standards

Compliance with enclosure standards IEC 62208, UL, CUL, BV, DNV, GL, ATEX (modified enclosure).

The Spacial S3D wall-mounting enclosures are compliant with the RoHS directive.

Certifications

Certification table page 8/2



Our certificates can be downloaded from our website.



Our empty enclosures are marked CE according to the Low-Voltage Directive (LVD). It is the responsibility of the final equipment manufacturer to respect the regulations in force.

Technical characteristics

Protection degree:

- IP 66 for the single-door enclosures and IP 55 for the double-door enclosures, according to IEC 60529.
- Nema Type 4, 4X for the single-door enclosures and Nema Type 12, 12K, 13 for the double-door enclosures according to NEMA 250 standard.

Resistance to external mechanical impacts:

- IK 10 for the plain-door enclosures, according to IEC 62262.
- IK 08 for the glazed-door enclosures.

Mechanical characteristics

Fixing of mounting accessories

- 4 (or 6**) M8 x 25 shouldered backstuds for installing mounting plates and step slides, leaving a space of 10 mm behind them.
- ** 6 studs for widths 1000 and 1200.

Personnel protection

Earth connection: Spacial S3D steel enclosures are equipped with M6 x 16 earth studs welded in the body and the door for equipotential connection. Earth braid to be ordered separately

Closing the enclosure: the enclosures are equipped from the height of 600 mm with three locking points with linkage, with a single control point, preventing the enclosures from being left ajar. Locks and inserts, page 2/14

Coating properties

Colour: RAL 7035 grey; finish: structured.

Coating thickness: 60 µm.

Fire class: M0.

Resistance to corrosion: compliance with standard IEC 62208 for outdoor installation: 288 h of humid heat and 336 h of salt mist.

Note: the Spacial S3D is specially designed for indoor installations. For outdoor installations, it is advisable to install a canopy or consult us.

Nuclear decontamination: RAL 7035 and AFNOR A550 tests available on demand.



For further information, see the Technical Annexes

Wall-mounting steel enclosures

Selection guide



2

Specifications						Spacial S3D				
Dimensions (1)			N° of doors	IP	Weight (kg)*	Plain door		Glazed door	Plain mounting plate	Micro-perforated mounting plate
						With mounting plate	Without mounting plate	Without mounting plate		
H	W	D								
300	200	150	1	66	3.02	NSYS3D3215P	NSYS3D3215		NSYMM32	NSYMF32
300	250	150	1	66	3.48	NSYS3D32515P	NSYS3D32515	NSYS3D32515T	NSYMM3025	
300	300	150	1	66	3.90	NSYS3D3315P	NSYS3D3315	NSYS3D3315T	NSYMM33	NSYMF33
300	300	200	1	66	4.50	NSYS3D3320P	NSYS3D3320	NSYS3D3320T	NSYMM33	NSYMF33
300	400	150	1	66	4.82	NSYS3D3415P	NSYS3D3415	NSYS3D3415T	NSYMM43	NSYMF43
300	400	200	1	66	5.60	NSYS3D3420P	NSYS3D3420	NSYS3D3420T	NSYMM43	NSYMF43
400	300	150	1	66	4.90	NSYS3D4315P	NSYS3D4315	NSYS3D4315T	NSYMM43	NSYMF43
400	300	200	1	66	5.00	NSYS3D4320P	NSYS3D4320	NSYS3D4320T	NSYMM43	NSYMF43
400	400	200	1	66	6.50	NSYS3D4420P	NSYS3D4420	NSYS3D4420T	NSYMM44	NSYMF44
400	600	200	1	66	10.50	NSYS3D4620P	NSYS3D4620	NSYS3D4620T	NSYMM64	NSYMF64
400	600	250	1	66	12.00	NSYS3D4625P	NSYS3D4625	NSYS3D4625T	NSYMM64	NSYMF64
500	300	200	1	66	7.50	NSYS3D5320P	NSYS3D5320	NSYS3D5320T	NSYMM53	NSYMF53
500	400	200	1	66	9.30	NSYS3D5420P	NSYS3D5420	NSYS3D5420T	NSYMM54	NSYMF54
500	400	250	1	66	10.20	NSYS3D5425P	NSYS3D5425	NSYS3D5425T	NSYMM54	NSYMF54
500	500	200	1	66	11.18	NSYS3D5520P	NSYS3D5520	NSYS3D5520T	NSYMM55	NSYMF55
500	500	250	1	66	12.06	NSYS3D5525P	NSYS3D5525	NSYS3D5525T	NSYMM55	NSYMF55
600	400	200	1	66	11.00	NSYS3D6420P	NSYS3D6420	NSYS3D6420T	NSYMM64	NSYMF64
600	400	250	1	66	12.00	NSYS3D6425P	NSYS3D6425	NSYS3D6425T	NSYMM64	NSYMF64
600	500	250	1	66	16.20	NSYS3D6525P	NSYS3D6525	NSYS3D6525T	NSYMM65	NSYMF65
600	600	200	1	66	14.00	NSYS3D6620P	NSYS3D6620	NSYS3D6620T	NSYMM66	NSYMF66
600	600	250	1	66	15.00	NSYS3D6625P	NSYS3D6625	NSYS3D6625T	NSYMM66	NSYMF66
600	600	300	1	66	17.00	NSYS3D6630P	NSYS3D6630	NSYS3D6630T	NSYMM66	NSYMF66
600	600	400	1	66	19.00	NSYS3D6640P	NSYS3D6640	NSYS3D6640T	NSYMM66	NSYMF66
600	800	300	1	66	25.50	NSYS3D6830P	NSYS3D6830	NSYS3D6830T	NSYMM86	NSYMF86
700	500	250	1	66	15.00	NSYS3D7525P	NSYS3D7525	NSYS3D7525T	NSYMM75	NSYMF75
800	600	200	1	66	21.00	NSYS3D8620P	NSYS3D8620	NSYS3D8620T	NSYMM86	NSYMF86
800	600	250	1	66	23.00	NSYS3D8625P	NSYS3D8625	NSYS3D8625T	NSYMM86	NSYMF86
800	600	300	1	66	25.00	NSYS3D8630P	NSYS3D8630	NSYS3D8630T	NSYMM86	NSYMF86
800	600	400	1	66	29.00	NSYS3D8640P	NSYS3D8640	NSYS3D8640T	NSYMM86	NSYMF86
800	800	250	1	66	30.00	NSYS3D8825P	NSYS3D8825	NSYS3D8825T	NSYMM88	NSYMF88
800	800	300	1	66	32.00	NSYS3D8830P	NSYS3D8830	NSYS3D8830T	NSYMM88	NSYMF88
800	1000	300	1	66	38.00	NSYS3D81030P	NSYS3D81030		NSYMM108	NSYMF108
800	1000	300	2	55	43.50	NSYS3D81030DP	NSYS3D81030D		NSYMM108	NSYMF108
800	1200	300	2	55	46.00	NSYS3D81230DP	NSYS3D81230D		NSYMM128	NSYMF128
1000	600	250	1	66	28.00	NSYS3D10625P	NSYS3D10625	NSYS3D10625T	NSYMM106	NSYMF106
1000	600	300	1	66	30.60	NSYS3D10630P	NSYS3D10630	NSYS3D10630T	NSYMM106	NSYMF106
1000	600	400	1	66	33.00	NSYS3D10640P	NSYS3D10640	NSYS3D10640T	NSYMM106	NSYMF106
1000	800	250	1	66	35.00	NSYS3D10825P	NSYS3D10825	NSYS3D10825T	NSYMM108	NSYMF108
1000	800	300	1	66	38.00	NSYS3D10830P	NSYS3D10830	NSYS3D10830T	NSYMM108	NSYMF108
1000	800	400	1	66	42.00	NSYS3D10840P	NSYS3D10840	NSYS3D10840T	NSYMM108	NSYMF108
1000	1000	300	1	66	46.00	NSYS3D101030P	NSYS3D101030	NSYS3D101030T	NSYMM1010	NSYMF1010
1000	1000	300	2	55	46.00	NSYS3D101030DP	NSYS3D101030D	NSYS3D101030DT	NSYMM1010	NSYMF1010
1000	1200	300	2	55	53.00	NSYS3D101230DP	NSYS3D101230D		NSYMM1210	NSYMF1210
1000	1200	400	2	55	60.00	NSYS3D101240DP	NSYS3D101240D		NSYMM1210	NSYMF1210
1200	600	300	1	66	37.00	NSYS3D12630P	NSYS3D12630	NSYS3D12630T	NSYMM126	NSYMF126
1200	600	400	1	66	42.00	NSYS3D12640P	NSYS3D12640	NSYS3D12640T	NSYMM126	NSYMF126
1200	800	300	1	66	45.00	NSYS3D12830P	NSYS3D12830	NSYS3D12830T	NSYMM128	NSYMF128
1200	800	400	1	66	49.00	NSYS3D12840P	NSYS3D12840	NSYS3D12840T	NSYMM128	NSYMF128
1200	1000	300	1	66	53.00	NSYS3D121030P	NSYS3D121030	NSYS3D121030T	NSYMM1210	NSYMF1210
1200	1000	300	2	55	54.00	NSYS3D121030DP	NSYS3D121030D	NSYS3D121030DT	NSYMM1210	NSYMF1210
1200	1000	400	2	55	61.00	NSYS3D121040DP	NSYS3D121040D		NSYMM1210	NSYMF1210
1200	1200	300	2	55	64.00	NSYS3D121230DP	NSYS3D121230D		NSYMM1212	2 x NSYMF126+
1200	1200	400	2	55	90.00	NSYS3D121240DP	NSYS3D121240D		NSYMM1212	2 x NSYMF126+
1400	1000	300	2	55	80.00	NSYS3D141030DP	NSYS3D141030D		NSYMM1410	

(1) For other dimensions, see our application offer.
(2) In inverted use, the marking is inverted.

*Enclosure without mounting plate.

Spacial S3D



Mounting plate						Electricity distribution			
						Modular mounting plate			
Telequick mounting plate	Bakelite mounting plate	DIN rail chassis	Type	Aluminium vertical rails (3)	Modular mounting plate	N° of modules	Plain front panel	Plain mounting plate	
NSYMR32	NSYMB32			NSYMDVR3					
NSYMR3025	NSYMB3025			NSYMDVR3					
NSYMR33	NSYMB33	NSYMD33	B	NSYMDVR3					
NSYMR33	NSYMB33	NSYMD33	B	NSYMDVR3					
NSYMR34	NSYMB43			NSYMDVR3					
NSYMR34	NSYMB43			NSYMDVR3					
NSYMR43	NSYMB43	NSYMD43	B	NSYMDVR4	NSYDLM24	24	NSYCTL300DLM	NSYPMP300DLM	
NSYMR43	NSYMB43	NSYMD43	B	NSYMDVR4	NSYDLM24	24	NSYCTL300DLM	NSYPMP300DLM	
NSYMR44				NSYMDVR4					
NSYMR46	NSYMB64			NSYMDVR4					
NSYMR46	NSYMB64			NSYMDVR4					
NSYMR53				NSYMDVR5					
NSYMR54	NSYMB54	NSYMD54	B	NSYMDVR5	NSYDLM48	48	NSYCTL400DLM	NSYPMP400DLM	
NSYMR54	NSYMB54	NSYMD54	B	NSYMDVR5	NSYDLM48	48	NSYCTL400DLM	NSYPMP400DLM	
NSYMR55				NSYMDVR5					
NSYMR55				NSYMDVR5					
NSYMR64	NSYMB64	NSYMD64	B	NSYMDVR6	NSYDLM48P	48	NSYCTL400DLM	NSYPMP400DLM	
NSYMR64	NSYMB64	NSYMD64	B	NSYMDVR6	NSYDLM48P	48	NSYCTL400DLM	NSYPMP400DLM	
NSYMR65	NSYMB65			NSYMDVR6					
NSYMR66		NSYMD66	A	NSYMDVR6	NSYDLM84	84	NSYCTL600DLM	NSYPMP600DLM	
NSYMR66		NSYMD66	A	NSYMDVR6	NSYDLM84	84	NSYCTL600DLM	NSYPMP600DLM	
NSYMR66		NSYMD66	A	NSYMDVR6	NSYDLM84	84	NSYCTL600DLM	NSYPMP600DLM	
NSYMR66		NSYMD66	A	NSYMDVR6	NSYDLM84	84	NSYCTL600DLM	NSYPMP600DLM	
NSYMR68	NSYMB86	NSYMD86**	A	NSYMDVR6					
NSYMR75	NSYMB75	NSYMD75	B	NSYMDVR7	NSYDLM66	66	NSYCTL500DLM	NSYPMP500DLM	
NSYMR86	NSYMB86	NSYMD86	A	NSYMDVR8	NSYDLM84P	84*	NSYCTL600DLM	NSYPMP600DLM	
NSYMR86	NSYMB86	NSYMD86	A	NSYMDVR8	NSYDLM112	112*	NSYCTL600DLM	NSYPMP600DLM	
NSYMR86	NSYMB86	NSYMD86	A	NSYMDVR8	NSYDLM112	112*	NSYCTL600DLM	NSYPMP600DLM	
NSYMR86	NSYMB86	NSYMD86	A	NSYMDVR8	NSYDLM112	112*	NSYCTL600DLM	NSYPMP600DLM	
NSYMR88				NSYMDVR8					
NSYMR88				NSYMDVR8					
NSYMR810	NSYMB108			NSYMDVR8					
NSYMR810	NSYMB108			NSYMDVR8					
2 x NSYMR86+	2 x NSYMB86+	2 x NSYMB86+	A	NSYMDVR8					
NSYMR106	NSYMB106			NSYMDVR10	NSYDLM168	168**	NSYCTL600DLM	NSYPMP600DLM	
NSYMR106	NSYMB106			NSYMDVR10	NSYDLM168	168**	NSYCTL600DLM	NSYPMP600DLM	
NSYMR106	NSYMB106			NSYMDVR10	NSYDLM168	168**	NSYCTL600DLM	NSYPMP600DLM	
NSYMR108	NSYMB108	NSYMD108	A	NSYMDVR10	NSYDLM240	240	NSYCTL800DLM	NSYPMP800DLM	
NSYMR108	NSYMB108	NSYMD108	A	NSYMDVR10	NSYDLM240	240	NSYCTL800DLM	NSYPMP800DLM	
NSYMR108	NSYMB108	NSYMD108	A	NSYMDVR10	NSYDLM240	240	NSYCTL800DLM	NSYPMP800DLM	
NSYMR1010				NSYMDVR10					
NSYMR1010				NSYMDVR10					
NSYMR1012	NSYMB1210			NSYMDVR10					
NSYMR1012	NSYMB1210			NSYMDVR10					
				NSYMDVR12					
				NSYMDVR12					
NSYMR128		NSYMD128	A	NSYMDVR12					
NSYMR128		NSYMD128	A	NSYMDVR12					
NSYMR1210	NSYMB1210			NSYMDVR12					
NSYMR1210	NSYMB1210			NSYMDVR12					
NSYMR1210	NSYMB1210			NSYMDVR12					
2 x NSYMR126+				NSYMDVR12					
2 x NSYMR126+				NSYMDVR12					
NSYMR1410									

+ Order **NSYCRNGSDR** for double mounting of the mounting plates.

(3) Order nuts ref. **NSYAMCSF**. Steel siderail ref. **NSYMDVR12**.

* Possible assembling to ref. NSYDLM84P or NSYDLM112.

** Possible assembling to ref. NSYDLM168 or NSYDLM240.

Type A DIN rail 35 x 15mm

Type B DIN rail 35 x 7.2mm

Wall-mounting steel enclosures

Selection guide



2

Dimensions (4)			Electronics and networks				Cable-entry accessories				
			19" racks				Cable-gland plates				
			Fixed	Number of U	Swing	Number of U	Entry type	Standard steel	Steel with knock-outs	Aluminium	Steel with cut-out for membrane
H	W	D									
300	200	150					A	NSYTLA	NSYTLAK	NSYTLAU	
300	250	150					A	NSYTLA	NSYTLAK	NSYTLAU	
300	300	150					B	NSYTLB	NSYTLBK	NSYTLBU	
300	300	200					C	NSYTLC	NSYTLCK	NSYTLCU	NSYTLCFL
300	400	150					B	NSYTLB	NSYTLBK	NSYTLBU	
300	400	200					D	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
400	300	150					B	NSYTLB	NSYTLBK	NSYTLBU	
400	300	200					C	NSYTLC	NSYTLCK	NSYTLCU	NSYTLCFL
400	400	200					D	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
400	600	200	NSYVDM8UF	8	NSYVDM7UP	7	F	NSYTLF	NSYTLFK	NSYTLFU	NSYTLFFL
400	600	250	NSYVDM8UF	8	NSYVDM7UP	7	F	NSYTLF	NSYTLFK	NSYTLFU	NSYTLFFL
500	300	200					C	NSYTLC	NSYTLCK	NSYTLCU	NSYTLCFL
500	400	200					D	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
500	400	250					D	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
500	500	200					E	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
500	500	250					E	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
600	400	200					D	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
600	400	250					D	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
600	500	250					E	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
600	600	200	NSYVDM12UF	12	NSYVDM11UP	11	F	NSYTLF	NSYTLFK	NSYTLFU	NSYTLFFL
600	600	250	NSYVDM12UF	12	NSYVDM11UP	11	F	NSYTLF	NSYTLFK	NSYTLFU	NSYTLFFL
600	600	300	NSYVDM12UF	12	NSYVDM11UP	11	G	NSYTLG	NSYTLGK	NSYTLGU	NSYTLG2FL
600	600	400	NSYVDM12UF	12	NSYVDM11UP	11	G	NSYTLG	NSYTLGK	NSYTLGU	NSYTLG2FL
600	800	300					D*	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
700	500	250					E	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
800	600	200	NSYVDM17UF	17	NSYVDM16UP	16	F	NSYTLF	NSYTLFK	NSYTLFU	NSYTLFFL
800	600	250	NSYVDM17UF	17	NSYVDM16UP	16	F	NSYTLF	NSYTLFK	NSYTLFU	NSYTLFFL
800	600	300	NSYVDM17UF	17	NSYVDM16UP	16	G	NSYTLG	NSYTLGK	NSYTLGU	NSYTLG2FL
800	600	400	NSYVDM17UF	17	NSYVDM16UP	16	G	NSYTLG	NSYTLGK	NSYTLGU	NSYTLG2FL
800	800	250					D*	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
800	800	300					D*	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
800	1000	300					E*	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
800	1000	300					E*	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
800	1200	300					E*	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
1000	600	250	NSYVDM21UF	21	NSYVDM20UP	20	F	NSYTLF	NSYTLFK	NSYTLFU	NSYTLFFL
1000	600	300	NSYVDM21UF	21	NSYVDM20UP	20	G	NSYTLG	NSYTLGK	NSYTLGU	NSYTLG2FL
1000	600	400	NSYVDM21UF	21	NSYVDM20UP	20	G	NSYTLG	NSYTLGK	NSYTLGU	NSYTLG2FL
1000	800	250			NSYVDM20U8P	20	D*	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
1000	800	300			NSYVDM20U8P	20	D*	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
1000	800	400			NSYVDM20U8P	20	D*	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
1000	1000	300					E*	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
1000	1000	300					E*	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
1000	1200	300					E*	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
1000	1200	400					E*	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
1200	600	300					G	NSYTLG	NSYTLGK	NSYTLGU	NSYTLG2FL
1200	600	400					G	NSYTLG	NSYTLGK	NSYTLGU	NSYTLG2FL
1200	800	300			NSYVDM25U8P	25	D*	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
1200	800	400			NSYVDM25U8P	25	D*	NSYTLD	NSYTLDK	NSYTLDU	NSYTLDFL
1200	1000	300					E*	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
1200	1000	300					E*	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
1200	1000	400					E*	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
1200	1200	300					E*	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
1200	1200	400					E*	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL
1400	1000	300					E*	NSYTLE	NSYTLEK	NSYTLEU	NSYTLEFL

(4) For other dimensions, see our application offer, page 2/16

*2 plates.

Spacial S3D



Composition accessories										
Internal door (5)	Step slides	Canopy	Fixing on post	Lateral plinth**		Plain front plinth (6)**		Support pillar adaptation plate	Support pillar	Door cross-rails
				100 mm	200 mm	100 mm	200 mm			
		NSYTJ2015								
		NSYTJ2515								
		NSYTJ3015	NSYSFPSC30					NSYAEFP315S3D	NSYCOCN80	
	NSYSDCR200	NSYTJ3020	NSYSFPSC30					NSYAEFP32S3D	NSYCOCN80	
		NSYTJ4015	NSYSFPSC40					NSYAEFP315S3D	NSYCOCN80	
	NSYSDCR200	NSYTJ4020	NSYSFPSC40					NSYAEFP42S3D	NSYCOCN80	
NSYPIN43		NSYTJ3015	NSYSFPSC30					NSYAEFP315S3D	NSYCOCN80	
NSYPIN43	NSYSDCR200	NSYTJ3020	NSYSFPSC30					NSYAEFP32S3D	NSYCOCN80	
	NSYSDCR200	NSYTJ4020	NSYSFPSC40					NSYAEFP42S3D	NSYCOCN80	NSYTFPCR4
	NSYSDCR200	NSYTJ6020	NSYSFPSC60							NSYTFPCR6
	NSYSDCR250	NSYTJ6025	NSYSFPSC60							NSYTFPCR6
	NSYSDCR200	NSYTJ3020	NSYSFPSC30					NSYAEFP32S3D	NSYCOCN80	
NSYPIN54	NSYSDCR200	NSYTJ4020	NSYSFPSC40					NSYAEFP42S3D	NSYCOCN80	NSYTFPCR4
NSYPIN54	NSYSDCR250	NSYTJ4025	NSYSFPSC40					NSYAEFP42S3D	NSYCOCN80	NSYTFPCR4
	NSYSDCR200	NSYTJ5020	NSYSFPSC50							NSYTFPCR5
	NSYSDCR250	NSYTJ5025	NSYSFPSC50							NSYTFPCR5
NSYPIN64	NSYSDCR200	NSYTJ4020	NSYSFPSC40					NSYAEFP42S3D	NSYCOCN80	NSYTFPCR4
NSYPIN64	NSYSDCR250	NSYTJ4025	NSYSFPSC40					NSYAEFP42S3D	NSYCOCN80	NSYTFPCR4
	NSYSDCR250	NSYTJ5025	NSYSFPSC50							
	NSYSDCR200	NSYTJ6020	NSYSFPSC60							NSYTFPCR6
	NSYSDCR250	NSYTJ6025	NSYSFPSC60							NSYTFPCR6
	NSYSDCR300	NSYTJ6030	NSYSFPSC60	NSYSPS3100SD	NSYSPS3200SD	NSYSPF6100	NSYSPF6200			NSYTFPCR6
	NSYSDCR400	NSYTJ6040	NSYSFPSC60	NSYSPS4100SD	NSYSPS4200SD	NSYSPF6100	NSYSPF6200			NSYTFPCR6
	NSYSDCR300	NSYTJ8030	NSYSFPSC80	NSYSPS3100SD	NSYSPS3200SD	NSYSPF8100	NSYSPF8200			NSYTFPCR8
NSYPIN75	NSYSDCR250	NSYTJ5025	NSYSFPSC50							NSYTFPCR5
NSYPIN86	NSYSDCR200	NSYTJ6020	NSYSFPSC60							NSYTFPCR6
NSYPIN86	NSYSDCR250	NSYTJ6025	NSYSFPSC60							NSYTFPCR6
NSYPIN86	NSYSDCR300	NSYTJ6030	NSYSFPSC60	NSYSPS3100SD	NSYSPS3200SD	NSYSPF6100	NSYSPF6200			NSYTFPCR6
NSYPIN86	NSYSDCR400	NSYTJ6040	NSYSFPSC60	NSYSPS4100SD	NSYSPS4200SD	NSYSPF6100	NSYSPF6200			NSYTFPCR6
	NSYSDCR250	NSYTJ8025	NSYSFPSC80							NSYTFPCR8
	NSYSDCR300	NSYTJ8030	NSYSFPSC80	NSYSPS3100SD	NSYSPS3200SD	NSYSPF8100	NSYSPF8200			NSYTFPCR8
	NSYSDCR300	NSYTJ10030		NSYSPS3100SD	NSYSPS3200SD	NSYSPF10100	NSYSPF10200			NSYTFPCR10
	NSYSDCR300	NSYTJ10030		NSYSPS3100SD	NSYSPS3200SD	NSYSPF10100	NSYSPF10200			
	NSYSDCR300*	NSYTJ12030								
NSYPIN106	NSYSDCR250	NSYTJ6025								NSYTFPCR6
NSYPIN106	NSYSDCR300	NSYTJ6030		NSYSPS3100SD	NSYSPS3200SD	NSYSPF6100	NSYSPF6200			NSYTFPCR6
NSYPIN106	NSYSDCR400	NSYTJ6040		NSYSPS4100SD	NSYSPS4200SD	NSYSPF6100	NSYSPF6200			NSYTFPCR6
NSYPIN108	NSYSDCR250	NSYTJ8025								NSYTFPCR8
NSYPIN108	NSYSDCR300	NSYTJ8030		NSYSPS3100SD	NSYSPS3200SD	NSYSPF8100	NSYSPF8200			NSYTFPCR8
NSYPIN108	NSYSDCR400	NSYTJ8040		NSYSPS4100SD	NSYSPS4200SD	NSYSPF8100	NSYSPF8200			NSYTFPCR8
	NSYSDCR300	NSYTJ10030		NSYSPS3100SD	NSYSPS3200SD	NSYSPF10100	NSYSPF10200			NSYTFPCR10
	NSYSDCR300	NSYTJ10030		NSYSPS3100SD	NSYSPS3200SD	NSYSPF10100	NSYSPF10200			
	NSYSDCR300*	NSYTJ12030		NSYSPS3100SD	NSYSPS3200SD	NSYSPF12100	NSYSPF12200			
	NSYSDCR400*	NSYTJ12040		NSYSPS4100SD	NSYSPS4200SD	NSYSPF12100	NSYSPF12200			
NSYPIN126	NSYSDCR300	NSYTJ6030		NSYSPS3100SD	NSYSPS3200SD	NSYSPF6100	NSYSPF6200			
NSYPIN126	NSYSDCR400	NSYTJ6040		NSYSPS4100SD	NSYSPS4200SD	NSYSPF6100	NSYSPF6200			
NSYPIN128	NSYSDCR300	NSYTJ8030		NSYSPS3100SD	NSYSPS3200SD	NSYSPF8100	NSYSPF8200			NSYTFPCR8
NSYPIN128	NSYSDCR400	NSYTJ8040		NSYSPS4100SD	NSYSPS4200SD	NSYSPF8100	NSYSPF8200			NSYTFPCR8
	NSYSDCR300	NSYTJ10030		NSYSPS3100SD	NSYSPS3200SD	NSYSPF10100	NSYSPF10200			NSYTFPCR10
	NSYSDCR300	NSYTJ10030		NSYSPS3100SD	NSYSPS3200SD	NSYSPF10100	NSYSPF10200			
	NSYSDCR400	NSYTJ10040		NSYSPS4100SD	NSYSPS4200SD	NSYSPF10100	NSYSPF10200			
	NSYSDCR300*	NSYTJ12030		NSYSPS3100SD	NSYSPS3200SD	NSYSPF12100	NSYSPF12200			
	NSYSDCR400*	NSYTJ12040		NSYSPS4100SD	NSYSPS4200SD	NSYSPF12100	NSYSPF12200			
	NSYSDCR300	NSYTJ10030		NSYSPS3100SD	NSYSPS3200SD	NSYSPF10100	NSYSPF10200			

- (5) To adjust the depth of the internal door, please order the step slides.
 (6) Also available in ventilated version with cable gland for widths of 600 and 800.

*For the double mounting plates, order also ref. **NSYSDRSDCR300** (D300) or **NSYSDRSDCR400** (D400).

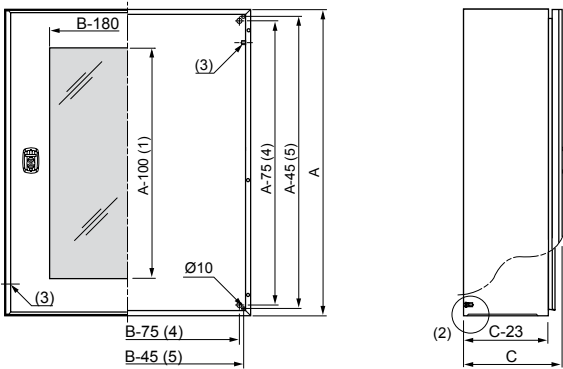
To install the plinth to a wall-mounting enclosure, order ref. **NSYAPFWM.

A: Enclosure height
B: Enclosure width
C: Enclosure depth

Enclosure (mm)		Cable-gland plate					
Width	Depth	Dimensions (mm)	Type	N°	J	K	L
200 - 250	150 - 250	140 x 80	A	1	57	115	55
300 - 400	150	245 x 80	B	1	57	220	55
300	200	245 x 130	C	1	80	220	105
400	200 - 250	345 x 130	D	1	80	320	105
500	200 - 250	445 x 130	E	1	80	420	105
600	200 - 250	545 x 130	F	1	80	520	105
600	300 - 400	495 x 220	G	1	126*	470	195
800	250 - 300 - 400	345 x 130	D	2	95	320	105
1000 - 1200	300 - 400	445 x 130	E	2	95	420	105

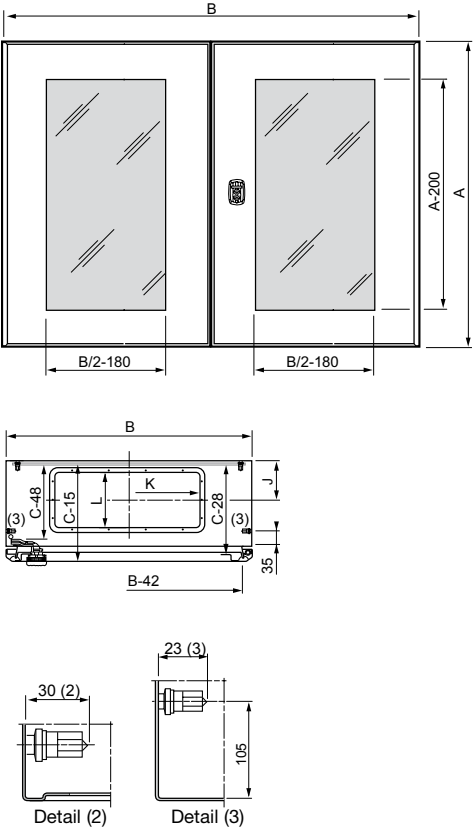
* Except enclosure 1000 x 600 x 400 mm, J = 140 mm.

1-door enclosure



- (1) A-200 from the height of 800 mm.
- (2) 4 or 6 (widths 1000 - 1200 mm) M8 x 25 mm backstuds.
- (3) 2 M6 x 17.5 mm earthing studs.
- (4) Stud centre-to-centre distance.
- (5) Centre-to-centre distance of the holes for direct fixing.

2-door enclosure



The DXF diagrams
can be downloaded
from our website.

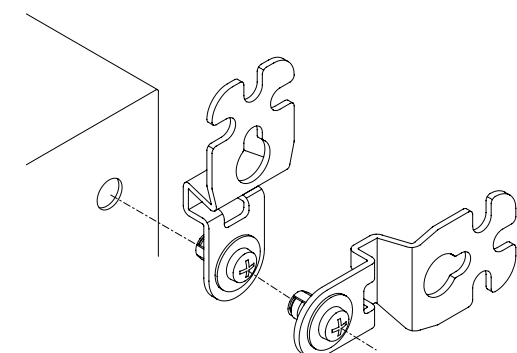


Wall-fixing lugs

Set of 4 wall-fixing lugs

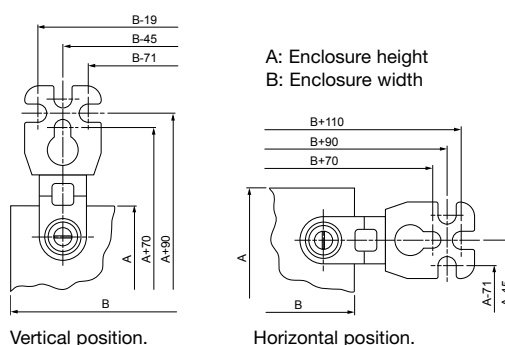
- Mounted directly on the rear of the enclosure, either in horizontal or vertical position.
- Two types of position, steel and 304 stainless-steel, for a wall-enclosure separation of 10 mm.
- Acceptable load:
 - Horizontal lug: 180 kg.
 - Vertical lug: 350 kg.
- Supplied with fixing screws and pre-mounted sealing gaskets.

Description	Reference
Set of 4 steel fixing lugs	NSYAEFPFSC
Set of 4 stainless-steel fixing lugs	NSYAEFPFXSC



Installation from the outside.

Fixing centre-to-centre distance with lugs (M8 screw)



Kit for heavy loads

Kit made up of 2 steel reinforcement pieces.

- Maximum load, 400 kg.
- To be mounted before installing the mounting plate in top position with the standard lugs (to be ordered separately).

Description	Reference
Kit for heavy loads	NSYAEFAHLBSC

Wall-fixing lugs with wall-enclosure separation

- Batch of 4 wall-fixing lugs.
- Separation of 40 mm from the wall at the rear of the enclosure.
- Need to drill a hole to prevent rotation.
- Steel material.
- Maximum load: 100 kg.

Reference
NSYAEFPF40SC

Composition accessories

Coupling accessories

2



Installation example.

Coupling of Spacial steel enclosures

Available in 2 versions:

- Coupling version without cable entry.
- Version with coupling frame allowing the entry of cables.
- Separation of 17 mm between 2 coupled enclosures, allowing full opening of the doors.

Kit for fixing 2 joined enclosures

- Kit made up of 4 spacers and their fixings.

Coupling frame

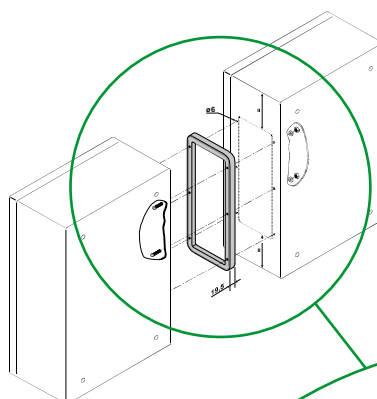
- Allows lateral coupling of 2 enclosures.
- Frame made from polyester charged with fibreglass, self-extinguishing.
- A built-in sealing gasket guarantees the protection degree of IP 66.
- Mounting by screws, included.
- Dimensions: 435 x 185 mm and 635 x 185 mm.

These frames allow the door to open to 120°.

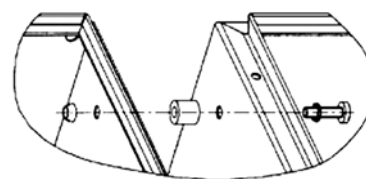
Description	Reference
Batch of 4 coupling spacers	NSYAEUBUSC
Coupling frame, 435 x 185 mm	NSYAEUBU41SC
Coupling frame, 635 x 185 mm	NSYAEUBU61SC



Version without cable entry.



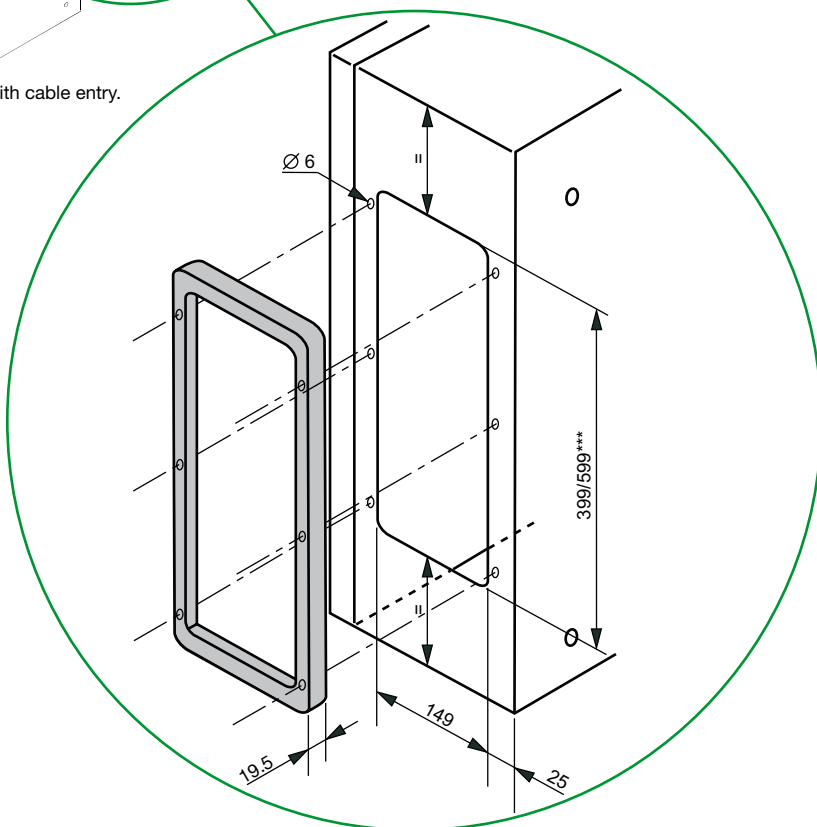
Version with cable entry.



Version without cable entry.



Version with cable entry.



Composition accessories

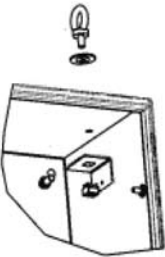
Hoisting accessories



Eyebolts

- Set of two M8 eyebolts.
- Material: zinc-coated moulded steel.
 - They are fixed directly to the body of the floor-standing enclosure.
 - Maximum load to be installed: 210 kg per enclosure when slinging at 60°.
 - Cannot be installed with the canopy in place.
 - Reinforcing brackets attached to the rings,
 - These brackets also act as a drilling template.
 - Have your cut-outs made by our configured service.
 - Paint touch-up pen.

Description	Reference
Batch of 2 M8 eyebolts	NSYAELYTCRG8

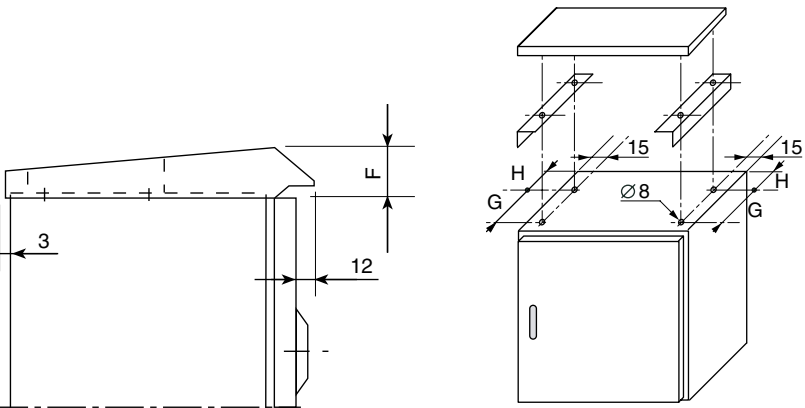


Protection canopy

- Direct fixing to the body of the enclosure by 4 M6 screws.
- Material: sheet steel made from painted galvanised steel, structured finish, epoxy-polyester powder, RAL 7035 grey colour.
 - Delivered with the fixings required for installation.
 - To be used for all outdoor installations.
 - Have your cut-outs made by our configured service.
 - Paint touch-up pen.

Enclosures (mm)				
Depth	F	G	H	Reference
150	36	75	23	NSYTJ3015
200	36	130	23	NSYTJ3020
250	42	150	48	NSYTJ4025
300	42	200	48	NSYTJ6030
400	42	300	48	NSYTJ6040

Dimensions and cut-outs.



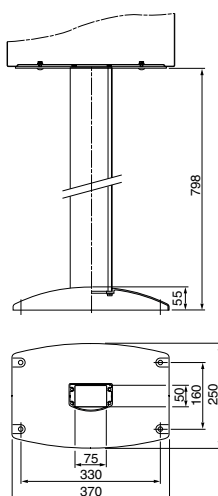


Support pillar

The support pillar is fixed directly to the bottom face of the Spacial steel enclosure by means of an adapter plate. The latter, to be ordered in addition to the pillar, replaces the cable-gland plate.

- Overall height of the support foot: 800 mm.
- Material: extruded aluminium, structured finish, polyester powder, RAL 7035 grey colour.
- Mounting possible on all enclosures with dimensions up to 600 x 400 x 250 mm (except 200 x 200 x 150 and 250 x 200 x 150 enclosures).

Description	Reference
Support pillar HT 800	NSYCOCN80



Support pillar adaptation plate

Plate for fixing the support pillar on the enclosure.

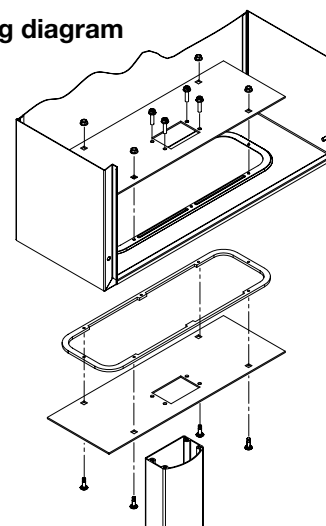
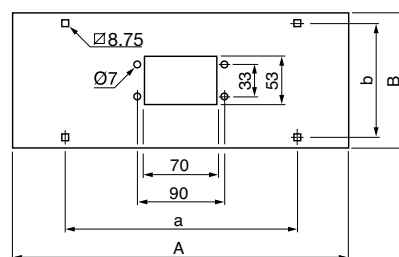
This plate replaces the cable-gland plate delivered with the enclosure.

- Material: steel, structured finish, polyester powder, RAL 7035 grey colour.

Enclosure width (mm)	Enclosure depth (mm)	A	B	a	b	Reference
300-400	150	280	110	140	67	NSYAEFP315S3D
300	200	280	160	140	117	NSYAEFP32S3D
400	200-250	380	160	240	117	NSYAEFP42S3D

Mounting diagram

Dimensions

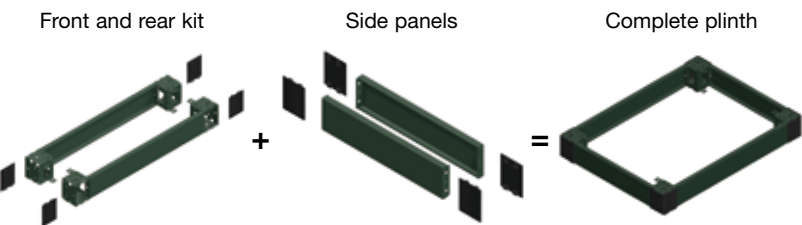


Composition accessories

Fixing accessories

Plinth kit

The complete plinth consists of two elements: on the one hand, the front and rear kit, determined by the width of the enclosure and, on the other hand, the side panels determined by the depth of the enclosure.



2



Order
ref. **NSYAPFWM**
when mounting
the wall-mounting
enclosure on a plinth.



Plinth side panels for Spacial steel enclosure

They are fixed to the corners of the plinth by two fixing screws.

- Material: folded sheet steel.
- Finishes: epoxy-polyester resin paint, RAL 7022 grey colour.
- Protection degree: IP 30 for the complete plinth.
- Resistance to external mechanical impacts: IK10.
- Models with heights: 100 and 200 mm.
- For enclosure depths 300 and 400 mm:
 - Height 100 mm: 2 side panels, 4 corner covers and fixing elements.
 - Height 200 mm: 4 side panels (height of 100 mm, 2 for each side), 4 corner covers and fixing elements.

Nominal dimensions (mm)	Reference	
	100 mm	200 mm
300	NSYSPS3100SD	NSYSPS3200SD
400	NSYSPS4100SD	NSYSPS4200SD

Front and rear plinth

Accessory shared with the Spacial SM floor-standing enclosure.
Numerous options available: plain, ventilated, with cable gland.

Nominal dimensions (mm)	Reference	
	100 mm	200 mm
600	NSYSPF6100	NSYSPF6200
800	NSYSPF8100	NSYSPF8200
1000	NSYSPF10100	NSYSPF10200
1200	NSYSPF12100	NSYSPF12200

Composition accessories

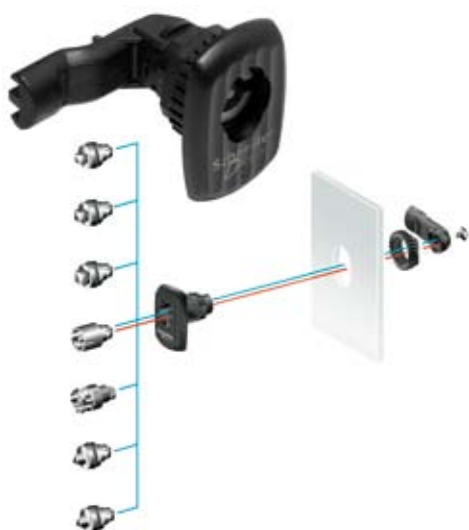
Locking accessories



Locks and inserts

Operating handle delivered with the enclosure.

- It can be attached to the locking system by means of a fixing element.
- It can also be used to loosen the caps protecting the studs when painting.



Standard locks

Spacial S3D wall-mounting enclosures are supplied with a 3-mm double-bar lock as standard.

- Spare lock: order ref. **NSYAEDLS3DRL** (escutcheon + cam + washer).
- Large range of standardised inserts covering all the most common needs.
- Installation and removal with a single screw.

Description	Reference of form insert*
6-mm square	NSYAEDLS6S3D
7-mm square	NSYAEDLS7S3D
8-mm square	NSYAEDLS8S3D
3-mm double bar	NSYAEDLB3S3D
5-mm double bar	NSYAEDLB5S3D
CNOMO 6.5-mm triangular	NSYAEDLT6S3D
8-mm triangular	NSYAEDLT8S3D

* Delivered with 1 plastic key.



Standard handles with keys

Attractive and ergonomic bi-material handle.

- Large range of barrels covering all the most common needs.
- Standard cam (see diagram above).
- The installation of the standard handle does not require the escutcheon to be removed.

Description	Reference of handle with keys*
1242	NSYAEDL1242S3D
405	NSYAEDL405S3D
421	NSYAEDL421S3D
455	NSYAEDL455S3D
2331A	NSYAEDL2331S3D
2433A	NSYAEDL2433S3D
3113A	NSYAEDL3113S3D

* Delivered with 2 keys.

Composition accessories

Door accessories



180° hinge.



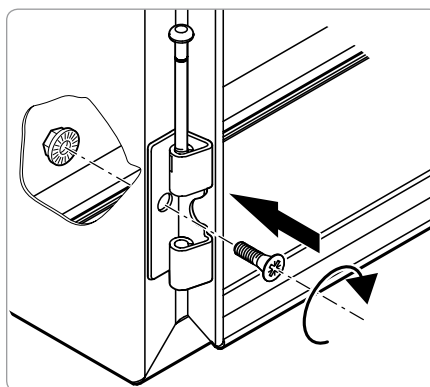
120° hinge.

Door hinges

Two models:

- For opening the door with an angle of 180°.
- Spare standard hinges (120°).
- Captive pin, indexed by a spring.
- Batch of 1 hinge, delivered with fixings.
- Material: zamack body for ref. **NSYAEDH180S3D**, treated sheet-steel body for ref. **NSYAEDH120S3D**, aluminium pin.
- For the 180° hinge, the maximum admissible load on the door is 20 kg / m².
- For the 120° hinge, the maximum admissible load on the door is 50 kg / m².

Description	Reference
180° hinge for S3D enclosure	NSYAEDH180S3D
Standard 120° hinge for S3D	NSYAEDH120S3D



Locking accessories

"Push-close" locking system

The Spacial S3D enclosures can be transformed into push-close enclosures.

- The push-close enclosure is used in various applications and fully meets the security demands of the market.
- Locking system with a 6.5-mm push-close system in accordance with CNOMO standards.
- This system allows the door to be closed and locked by simply pushing it.
- System made up of a lock and a closure plate.
- IP 55 water and dust tightness.
- It is only installed on enclosures with 1 locking point (H < 600 mm).
- Other dimensions: contact us.



Description	Reference
Push-close lock for Spacial S3D enclosure	NSYAEDLPSS3D

Selection guide for application wall-mounting enclosures



2

Specifications					Basic enclosures					
					Empty application enclosures					
Dimensions			N° of doors	IP	Steel industrial boxes, IP 66 Spacial S57	S3DB terminal enclosures (1)	FL terminal enclosures (1)	S3DM modular enclosures with glazed door (1)	VDM steel enclosures with 19" swing rack	
H	W	D								
200	300	150	1	66	NSYSBS302015					
250	300	150	1	66		NSYS3DB25315				
250	400	150	1	66		NSYS3DB25415				
250	500	150	1	66		NSYS3DB25515				
300	300	150	1	66	NSYSBS303015	NSYS3DB3315				
300	300	170	1	66			NSYS3DBFL3317			
300	400	150	1	66	NSYSBS403015	NSYS3DB3415				
300	400	170	1	66			NSYS3DBFL3417			
300	500	150	1	66		NSYS3DB3515				
300	500	200	1	66	NSYSBS503020					
300	600	150	1	66		NSYS3DB3615				
300	600	400	1	66					NSYVDM4U4P	
300	600	500	1	66						
400	300	150	1	66		NSYS3DB4315		NSYS3DM4315T		
400	300	170	1	66			NSYS3DBFL4317			
400	600	400	1	66					NSYVDM7U4P	
400	600	500	1	66						
400	800	150	1	66		NSYS3DB4815				
500	400	150	1	66		NSYS3DB5415		NSYS3DM5415T		
500	600	400	1	66					NSYVDM9U4P	
500	600	500	1	66						
600	400	150	1	66		NSYS3DB6415		NSYS3DM6415T		
600	600	150	1	66				NSYS3DM6615T		
700	500	150	1	66						
700	500	150	1	66				NSYS3DM7515T		
700	600	400	1	66					NSYVDM13U4P	
700	600	500	1	66						
800	600	150	1	66						
800	600	150	1	66				NSYS3DM8615T		
800	600	400	1	66					NSYVDM16U4P	
800	600	500	1	66						
1000	600	150	1	66				NSYS3DM10615T		
1000	800	150	1	66				NSYS3DM10815T		

(1) Empty enclosure.



19" enclosure with glazed door (2)						Accessories					
						Electricity distribution		Automatism			
	Number of U	1-body 19" fixed rack	Number of U	2 parts with 19" fixed rack	Number of U	Modular mounting plate	N° of modules	DIN rail support and DIN rail	Plain mounting plate	Telequick mounting plate	Aluminium vertical rails
								NSYAMRD2030	NSYMM32		
								NSYAMRD2530	NSYMM3025		
								NSYAMRD2540	NSYMM2540		
								NSYAMRD2550	NSYMM2550		
								NSYAMRD3030	NSYMM33	NSYMR33	NSYMDVR3
								NSYAMRD3030	NSYMM33	NSYMR33	
								NSYAMRD3040	NSYMM43	NSYMR34	NSYMDVR3
								NSYAMRD3040	NSYMM43	NSYMR34	
								NSYAMRD3050	NSYMM53		NSYMDVR3
								NSYAMRD3050	NSYMM53		NSYMDVR3
								NSYAMRD36	NSYMM36		NSYMDVR3
	4	NSYVDM5U4F	5	NSYVD2M5U4	5			NSYAMRD36	NSYMM36		NSYMDVR3
				NSYVD2M5U5	5			NSYAMRD36	NSYMM36		NSYMDVR3
						NSYDLM24	24	NSYAMRD43	NSYMM43	NSYMR43	NSYMDVR4
								NSYAMRD43	NSYMM43	NSYMR43	
	7	NSYVDM8U4F	8	NSYVD2M8U4	8				NSYMM64	NSYMR46	NSYMDVR4
				NSYVD2M8U5	8			NSYAMRD48	NSYMM64	NSYMR46	NSYMDVR4
								NSYAMRD54	NSYMM48		NSYMDVR4
						NSYDLM48	48		NSYMM54	NSYMR54	NSYMDVR5
	9	NSYVDM10U4F	10	NSYVD2M10U4	10				NSYMM65		NSYMDVR5
				NSYVD2M10U5	10				NSYMM65		NSYMDVR5
						NSYDLM48P	48	NSYAMRD64	NSYMM64	NSYMR64	NSYMDVR6
						NSYDLM84	84		NSYMM66	NSYMR66	NSYMDVR6
						NSYDLM66	66		NSYMM75	NSYMR75	NSYMDVR7
						NSYDLM88	88		NSYMM75	NSYMR75	NSYMDVR7
	13	NSYVDM14U4F	14	NSYVD2M14U4	14						NSYMDVR7
				NSYVD2M14U5	14						NSYMDVR7
						NSYDLM84P			NSYMM86	NSYMR86	NSYMDVR8
						NSYDLM112			NSYMM86	NSYMR86	NSYMDVR8
	16	NSYVDM17U4F	17	NSYVD2M17U4	17				NSYMM86	NSYMR86	NSYMDVR8
				NSYVD2M17U5	17				NSYMM86	NSYMR86	NSYMDVR8
						NSYDLM168			NSYMM106	NSYMR106	NSYMDVR10
						NSYDLM240			NSYMM108	NSYMR108	NSYMDVR10

(2) Plain door, please consult us.

2



Download our ATEX certificates and product sheets over the internet.

Technical characteristics

The Spacial S3DEX range of steel enclosures is certified by LCIE with no. LCIE 02ATEX0037U and codicil no. LCIE 02ATEX0037U/01 (component certificate).

The enclosures have the following marks:

II 2 GD Ex tD A21 IP6X according to ATEX directive 94/9/EC and standards EN 60079-0 (2004), EN 60079-7 (2006), EN 61241-0 (2005) and EN 61241-1 (2004).

Technical description

- Tightness by protection rating: IP 66 (enclosures with single door)
- Resistance to external impacts: IK 10.
- Structured finish, epoxy-polyester powder paint, RAL 7035 grey colour.

Compared with the universal Spacial wall-mounting enclosure, the Spacial S3DEX enclosure has:

- The four fixing holes blocked by four crimped blind nuts.
- One crimped M8 blind nut for an external earth connection (braid not supplied).

Enclosure body

- 4 M8 x 25 shouldered backstuds for mounting the mounting plate and the step slides leaving a space of 10 mm behind them.
- Cable-gland plate with grid pattern to facilitate drilling and provide the maximum access surface.
- Welded earthing stud for equipotential connection between the door and the body.

Door

- Standard enclosure supplied with a double-bar lock.
- Polyurethane sealing gasket.
- Equipotential connection between the door and the body by means of the M6 x 16 earthing screws.
- Removable and reversible door, opening to 120°.
- Simple reversal of linkage.
- Maximum load: 50 kg/m².
- Perforated rails on the door: 2 vertical rails from H = 400 mm, 2 vertical rails and 2 horizontal rails from W = 800 mm.

Ambient temperature limits:

-25°C < Ta < +40°C.

Delivered in an impact-resistant, eco-friendly packaging.



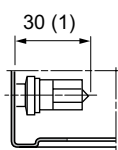
Enclosure dimensions (mm)			Enclosure reference	Mounting plates				Mixed symmetrical chassis	Bars slides	Fixing legs	
Height	Width	Depth		Plain	Silkscreened	Microperforated	Telequick			Steel	Stainless steel
300	200	150	NSYS3DEX3215	NSYMM32	-	-	NSYMR32	-	-	NSYAEFPFSC	NSYAEFPFXSC
300	300	200	NSYS3DEX3320	NSYMM33	-	NSYMF33	NSYMR33	NSYMD33	NSYSDCR200	NSYAEFPFSC	NSYAEFPFXSC
400	300	200	NSYS3DEX4320	NSYMM43	NSYMS43	NSYMF43	NSYMR43	NSYMD43	NSYSDCR200	NSYAEFPFSC	NSYAEFPFXSC
400	400	200	NSYS3DEX4420	NSYMM44	NSYMS44	NSYMF44	-	-	NSYSDCR200	NSYAEFPFSC	NSYAEFPFXSC
500	400	200	NSYS3DEX5420	NSYMM54	NSYMS54	NSYMF54	NSYMR54	NSYMD54	NSYSDCR200	NSYAEFPFSC	NSYAEFPFXSC
600	400	250	NSYS3DEX6425	NSYMM64	NSYMS46	NSYMF64	NSYMR64	NSYMD64	NSYSDCR250	NSYAEFPFSC	NSYAEFPFXSC
600	600	250	NSYS3DEX6625	NSYMM66	NSYMS66	NSYMF66	NSYMR66	NSYMD66	NSYSDCR250	NSYAEFPFSC	NSYAEFPFXSC
700	500	250	NSYS3DEX7525	NSYMM75	NSYMS75	NSYMF75	NSYMR75	NSYMD75	NSYSDCR250	NSYAEFPFSC	NSYAEFPFXSC
800	600	300	NSYS3DEX8630	NSYMM86	NSYMS86	NSYMF86	NSYMR86	NSYMD86	NSYSDCR300	NSYAEFPFSC	NSYAEFPFXSC
1000	800	300	NSYS3DEX10830	NSYMM108	-	NSYMF108	NSYMR108	NSYMD108	NSYSDCR300	NSYAEFPFSC	NSYAEFPFXSC



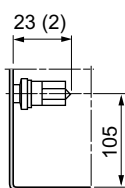
The accessories of the Spacial standard wall-mounting enclosures can be installed in the Spacial S3DEX wall-mounting enclosures. However, plastic accessories should not be used, due to the risk of a static charge.

A: Height
B: Width
C: Depth

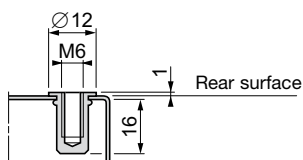
- (1) 4 M8 x 25 mm backstuds.
- (2) 2 M6 x 17.5 mm earthing studs.
- (3) Stud centre-to-centre distance.
- (4) Crimped blind nut centre-to-centre distance.
- (5) Blind nut for external earth.



Detail (1)

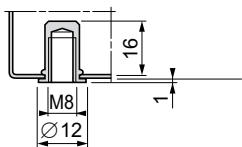


Detail (2)



Detail (4)

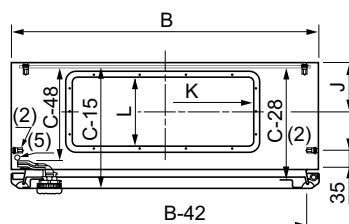
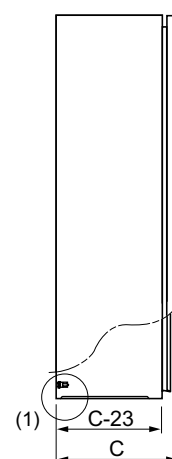
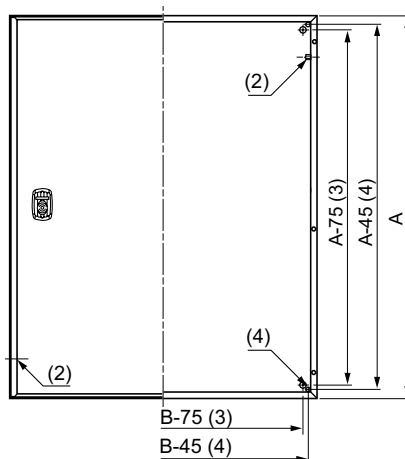
4 crimped blind nuts for direct fixing of the fixing lugs



Detail (5)

1 crimped blind nut for the external earth

1-door enclosure

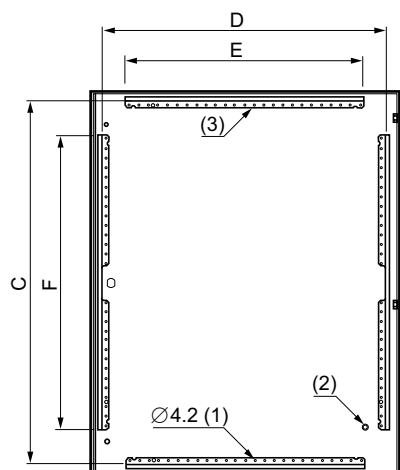


Enclosure (mm)		Cable-gland plate				
Width	Depth	Dimensions (mm)	No	J	K	L
200	150	140 x 80	1	57	115	55
300	200	245 x 130	1	80	220	105
400	200-250	345 x 130	1	80	320	105
500	250	445 x 130	1	80	420	105
600	250	545 x 130	1	80	520	105
600	300	495 x 220	1	126	470	195
800	300	345 x 130	2	80	320	105

Perforated rails on the door

Enclosure (3) (mm)		Perforated rails on the door (mm)			
Height (A)	Width (B)	Vertical		Horizontal	
		F	D	E	C
400	300	320	237	-	-
400	400	320	337	-	-
600	400	370	337	-	-
600	600	370	537	-	-
700	500	470	437	-	-
800	600	570	537	-	-
1000	800	770	737	620	949

(3) The doors of enclosures with dimensions of less than 800 x 600 mm do not have horizontal wire guides.



(1) Perforations with a pitch of 25 mm.

(2) 1 M6 x 17.5 mm earthing stud.

3

Steel floor-standing enclosures



SM Spacial Monobloc

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Dimensions	3/5
Accessories	3/6



SF Spacial Floor

Introduction	3/9
Selection	3/10
Dimensions	3/12
Accessories	3/13

**For further information on floor application products,
contact us on 0870 608 8 608**

Compact metal enclosures

Introduction



Front door and rear panel, with or without galvanised mounting plate IP55

Basic composition

- Structure: body made from sheet steel, welded rear panel, with the front forming a rigid frame with welded corners.
- Front door:
 - Plain door with reinforcement frame.
 - Or, transparent Securit® glass door.
- The double doors are overlapping, with system for fixing the left door.
- Welded rear panel.
- Standard locking system with handle and 5-mm double-bar insert.
- 4 support brackets for the mounting plate.
- Cable-gland plate in 2 parts.
- Supply with or without galvanised mounting plate depending on the reference.
- Options:
 - Cross rails.
 - Individual plinths with heights of 100 and 200 mm.

Certifications

- BV, DNV, UL* and CUL.
- *1 Door: 1, 2, 3, 3R, 4, 5, 12, 12K and 13
- *2 Doors: 1, 12, 12K

Easy installation

- The **Spacial SM** compact metal enclosure is made up of a compact body, welded rear panel and front part forming a rigid frame with its corners welded.
- 4 deep supports, 2 at the top and 2 at the bottom, for adjusting the equipment fixing bracket with a pitch of 25 mm.
- Sheet-steel door, painted with epoxy-polyester resin in textured RAL7035 grey. Reinforcement frame made up of two perforated uprights with a pitch of 25 mm and two door rails (height-adjustable), which can be used for fixing cables. Vertical profiles for the enclosures with a height of 1200 mm.
- 4 zamak hinges and 4 locking points for the enclosures, with heights from 1200 to 2000 mm.
- Cable-gland plate in two parts with sealing gasket cross-section of 3 x 10 mm:
- A broad range of accessories offered for the production of:
 - Plates for automatisms.
 - Modular distribution system.
 - 19" racks.
 - etc.
- Degree of protection IP55 according to IEC 60529.
- Resistance to mechanical impacts: IK10 according to IEC 62262 (IK08 for the transparent doors).

Locking system

- New design, modern appearance, ergonomic, sturdy, complying with numerous specifications:
 - Combination keys.
 - Shape inserts.
 - Push button.
- Optional:
 - Handle lock for versions DIN, KABA, ASSA.
 - Handle lock for 2 inserts, "AND" or "OR" combination.
 - Padlock locking.
 - CNOMO kit.

Compact metal enclosures

Selection guide



Nominal dimensions (mm)			No. of doors	Plain door		Transparent door	Plinth Height 100 (mm)	
Height (A)	Width (B)	Depth (C)		With mounting plate	Without mounting plate	Without mounting plate	Front kit (corners + front panels)	Side panels, 2 u.
1200	800	300	1	NSYSM12830P	NSYSM12830	-	NSYSPF8100	NSYSPS3100
1200	1000	300	2	NSYSM1210302DP	NSYSM1210302D	-	NSYSPF10100	NSYSPS3100
1200	1200	400	2	NSYSM1212402DP	NSYSM1212402D	-	NSYSPF12100	NSYSPS4100
1400	600	300	1	NSYSM14630P	NSYSM14630	-	NSYSPF6100	NSYSPS3100
1400	600	400	1	NSYSM14640P	NSYSM14640	-	NSYSPF6100	NSYSPS4100
1400	800	300	1	NSYSM14830P	NSYSM14830	-	NSYSPF8100	NSYSPS3100
1400	800	400	1	NSYSM14840P	NSYSM14840	NSYSM14840T	NSYSPF8100	NSYSPS4100
1400	1000	400	2	NSYSM1410402DP	NSYSM1410402D	-	NSYSPF10100	NSYSPS4100
1400	1200	400	2	NSYSM1412402DP	NSYSM1412402D	-	NSYSPF12100	NSYSPS4100
1600	600	300	1	NSYSM16630P	NSYSM16630	-	NSYSPF6100	NSYSPS3100
1600	600	400	1	NSYSM16640P	NSYSM16640	NSYSM16640T	NSYSPF6100	NSYSPS4100
1600	800	300	1	NSYSM16830P	NSYSM16830	NSYSM16830T	NSYSPF8100	NSYSPS3100
1600	800	400	1	NSYSM16840P	NSYSM16840	NSYSM16840T	NSYSPF8100	NSYSPS4100
1600	1000	300	2	NSYSM1610302DP	NSYSM1610302D	-	NSYSPF10100	NSYSPS3100
1600	1000	400	2	NSYSM1610402DP	NSYSM1610402D	-	NSYSPF10100	NSYSPS4100
1600	1200	300	2	NSYSM1612302DP	NSYSM1612302D	-	NSYSPF12100	NSYSPS3100
1600	1200	400	2	NSYSM1612402DP	NSYSM1612402D	-	NSYSPF12100	NSYSPS4100
1800	600	300	1	NSYSM18630P	NSYSM18630	-	NSYSPF6100	NSYSPS3100
1800	600	400	1	NSYSM18640P	NSYSM18640	NSYSM18640T	NSYSPF6100	NSYSPS4100
1800	600	500	1	NSYSM18650P	NSYSM18650	-	NSYSPF6100	NSYSPS5100
1800	800	300	1	NSYSM18830P	NSYSM18830	NSYSM18830T	NSYSPF8100	NSYSPS3100
1800	800	400	1	NSYSM18840P	NSYSM18840	NSYSM18840T	NSYSPF8100	NSYSPS4100
1800	800	500	1	NSYSM18850P	NSYSM18850	NSYSM18850T	NSYSPF8100	NSYSPS5100
1800	800	600	1	NSYSM18860P	NSYSM18860	-	NSYSPF8100	NSYSPS6100
1800	1000	400	1	NSYSM181040P	NSYSM181040	-	NSYSPF10100	NSYSPS4100
1800	1000	400	2	NSYSM1810402DP	NSYSM1810402D	-	NSYSPF10100	NSYSPS4100
1800	1000	500	2	NSYSM1810502DP	NSYSM1810502D	-	NSYSPF10100	NSYSPS5100
1800	1200	400	2	NSYSM1812402DP	NSYSM1812402D	-	NSYSPF12100	NSYSPS4100
1800	1200	500	2	NSYSM1812502DP	NSYSM1812502D	-	NSYSPF12100	NSYSPS5100
1800	1600	400	2	NSYSM1816402DP	NSYSM1816402D	-	NSYSPF16100	NSYSPS4100
1800	1600	500	2	NSYSM1816502DP	NSYSM1816502D	-	NSYSPF16100	NSYSPS5100
2000	600	300	1	NSYSM20630P	NSYSM20630	-	NSYSPF6100	NSYSPS3100
2000	600	400	1	NSYSM20640P	NSYSM20640	NSYSM20640T	NSYSPF6100	NSYSPS4100
2000	600	500	1	NSYSM20650P	NSYSM20650	-	NSYSPF6100	NSYSPS5100
2000	800	300	1	NSYSM20830P	NSYSM20830	NSYSM20830T	NSYSPF8100	NSYSPS3100
2000	800	400	1	NSYSM20840P	NSYSM20840	NSYSM20840T	NSYSPF8100	NSYSPS4100
2000	800	500	1	NSYSM20850P	NSYSM20850	NSYSM20850T	NSYSPF8100	NSYSPS5100
2000	800	600	1	NSYSM20860P	NSYSM20860	NSYSM20860T	NSYSPF8100	NSYSPS6100
2000	1000	400	2	NSYSM2010402DP	NSYSM2010402D	-	NSYSPF10100	NSYSPS4100
2000	1000	500	2	NSYSM2010502DP	NSYSM2010502D	-	NSYSPF10100	NSYSPS5100
2000	1200	400	2	NSYSM2012402DP	NSYSM2012402D	-	NSYSPF12100	NSYSPS4100
2000	1200	500	2	NSYSM2012502DP	NSYSM2012502D	-	NSYSPF12100	NSYSPS5100
2000	1200	600	2	NSYSM2012602DP	NSYSM2012602D	-	NSYSPF12100	NSYSPS6100
2000	1600	400	2	NSYSM2016402DP	NSYSM2016402D	-	NSYSPF16100	NSYSPS4100
2000	1600	500	2	NSYSM2016502DP	NSYSM2016502D	-	NSYSPF16100	NSYSPS5100
2000	1600	600	2	NSYSM2016602DP	NSYSM2016602D	-	NSYSPF16100	NSYSPS6100

Compact metal enclosures

Selection guide

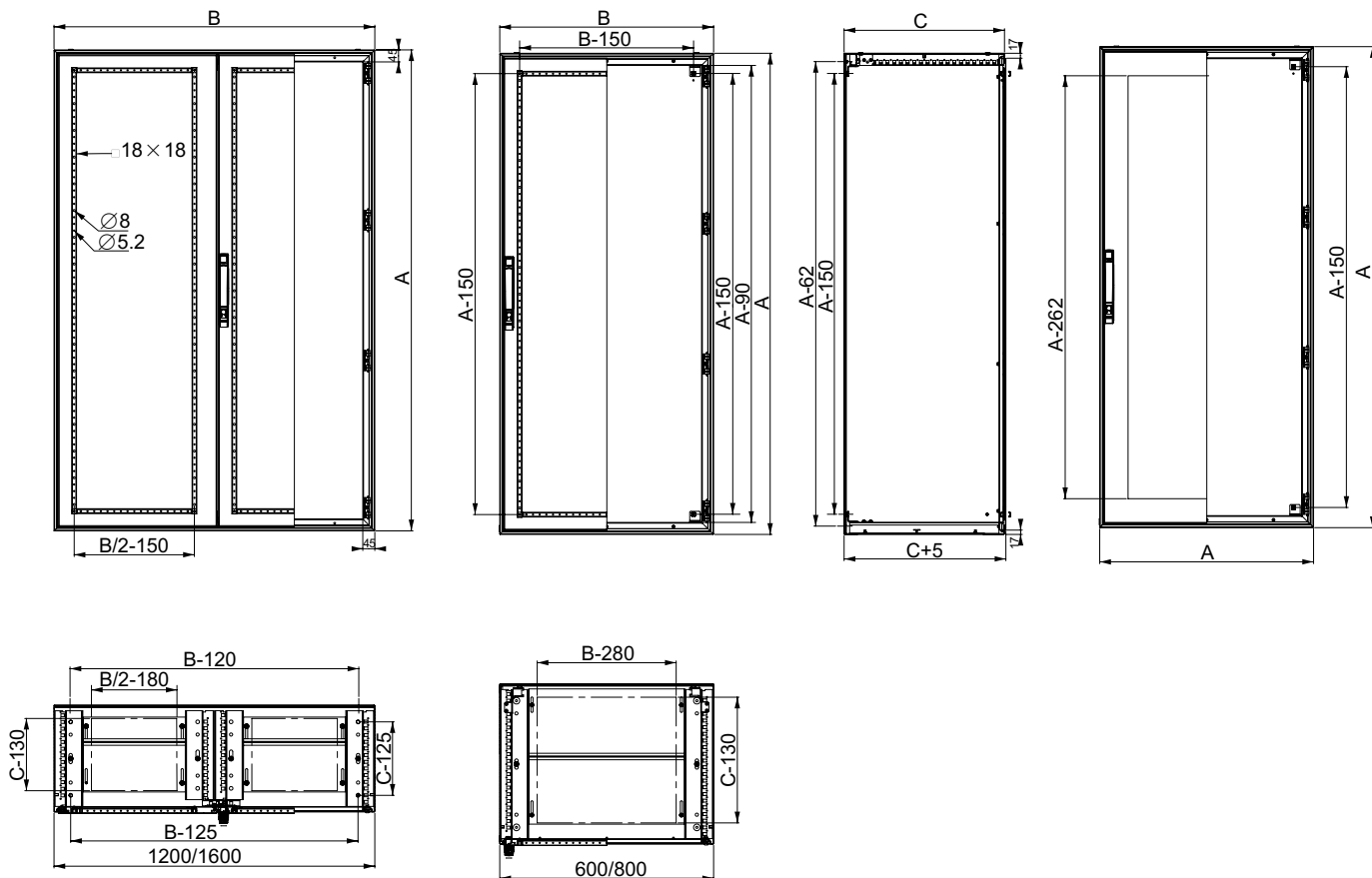


Nominal dimensions (mm)			No. of doors	Plinth		Inner door	Mounting plate	Standard vertical uprights	Technical vertical uprights	Off-centre 19" swing rack	Centred 19" swing rack
Height (A)	Width (B)	Depth (C)		Height 200 (mm)							
			Front kit (corners + front panels)	Side panels, 4 u.							
1200	800	300	1	NSYSPF8200	NSYSPS3200	-	NSYMP128	-	NSYTVR12	-	-
1200	1000	300	2	NSYSPF10200	NSYSPS3200	-	NSYMP1210	-	NSYTVR12	-	-
1200	1200	400	2	NSYSPF12200	NSYSPS4200	-	NSYMP1212	-	NSYTVR12	-	-
1400	600	300	1	NSYSPF6200	NSYSPS3200	-	NSYMP146	-	NSYTVR14	-	-
1400	600	400	1	NSYSPF6200	NSYSPS4200	-	NSYMP146	-	NSYTVR14	-	-
1400	800	300	1	NSYSPF8200	NSYSPS3200	-	NSYMP148	-	NSYTVR14	NSYRSW27	NSYRSWC27
1400	800	400	1	NSYSPF8200	NSYSPS4200	-	NSYMP148	-	NSYTVR14	NSYRSW27	NSYRSWC27
1400	1000	400	2	NSYSPF10200	NSYSPS4200	-	NSYMP1410	-	NSYTVR14	-	-
1400	1200	400	2	NSYSPF12200	NSYSPS4200	-	NSYMP1412	-	NSYTVR14	-	-
1600	600	300	1	NSYSPF6200	NSYSPS3200	NSYID166	NSYMP166	-	NSYTVR16	-	-
1600	600	400	1	NSYSPF6200	NSYSPS4200	NSYID166	NSYMP166	-	NSYTVR16	-	-
1600	800	300	1	NSYSPF8200	NSYSPS3200	NSYID168	NSYMP168	-	NSYTVR16	NSYRSW31	NSYRSWC31
1600	800	400	1	NSYSPF8200	NSYSPS4200	NSYID168	NSYMP168	-	NSYTVR16	NSYRSW31	NSYRSWC31
1600	1000	300	2	NSYSPF10200	NSYSPS3200	-	NSYMP1610	-	NSYTVR16	-	-
1600	1000	400	2	NSYSPF10200	NSYSPS4200	-	NSYMP1610	-	NSYTVR16	-	-
1600	1200	300	2	NSYSPF12200	NSYSPS3200	-	NSYMP1612	-	NSYTVR16	-	-
1600	1200	400	2	NSYSPF12200	NSYSPS4200	-	NSYMP1612	-	NSYTVR16	-	-
1800	600	300	1	NSYSPF6200	NSYSPS3200	NSYID186	NSYMP186	NSYVR18	NSYTVR18	-	-
1800	600	400	1	NSYSPF6200	NSYSPS4200	NSYID186	NSYMP186	NSYVR18	NSYTVR18	-	-
1800	600	500	1	NSYSPF6200	NSYSPS5200	NSYID186	NSYMP186	NSYVR18	NSYTVR18	-	-
1800	800	300	1	NSYSPF8200	NSYSPS3200	NSYID188	NSYMP188	NSYVR18	NSYTVR18	NSYRSW36	NSYRSWC36
1800	800	400	1	NSYSPF8200	NSYSPS4200	NSYID188	NSYMP188	NSYVR18	NSYTVR18	NSYRSW36	NSYRSWC36
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1800	800	600	1	NSYSPF8200	NSYSPS6200	NSYID188	NSYMP188	NSYVR18	NSYTVR18	NSYRSW36	NSYRSWC36
1800	1000	400	1	NSYSPF10200	NSYSPS4200	NSYID1810	NSYMP1810	NSYVR18	NSYTVR18	-	-
1800	1000	400	2	NSYSPF10200	NSYSPS4200	NSYID1810	NSYMP1810	NSYVR18	NSYTVR18	-	-
1800	1000	500	2	NSYSPF10200	NSYSPS5200	NSYID1810	NSYMP1810	NSYVR18	NSYTVR18	-	-
1800	1200	400	2	NSYSPF12200	NSYSPS4200	-	NSYMP1812	NSYVR18	NSYTVR18	-	-
1800	1200	500	2	NSYSPF12200	NSYSPS5200	-	NSYMP1812	NSYVR18	NSYTVR18	-	-
1800	1600	400	2	NSYSPF16200	NSYSPS4200	-	NSYMP1816	NSYVR18	NSYTVR18	-	-
1800	1600	500	2	NSYSPF16200	NSYSPS5200	-	NSYMP1816	NSYVR18	NSYTVR18	-	-
2000	600	300	1	NSYSPF6200	NSYSPS3200	NSYID206	NSYMP206	NSYVR20	NSYTVR20	-	-
2000	600	400	1	NSYSPF6200	NSYSPS4200	NSYID206	NSYMP206	NSYVR20	NSYTVR20	-	-
2000	600	500	1	NSYSPF6200	NSYSPS5200	NSYID206	NSYMP206	NSYVR20	NSYTVR20	-	-
2000	800	300	1	NSYSPF8200	NSYSPS3200	NSYID208	NSYMP208	NSYVR20	NSYTVR20	NSYRSW40	NSYRSWC40
2000	800	400	1	NSYSPF8200	NSYSPS4200	NSYID208	NSYMP208	NSYVR20	NSYTVR20	NSYRSW40	NSYRSWC40
2000	800	500	1	NSYSPF8200	NSYSPS5200	NSYID208	NSYMP208	NSYVR20	NSYTVR20	NSYRSW40	NSYRSWC40
2000	800	600	1	NSYSPF8200	NSYSPS6200	NSYID208	NSYMP208	NSYVR20	NSYTVR20	NSYRSW40	NSYRSWC40
2000	1000	400	2	NSYSPF10200	NSYSPS4200	NSYID2010	NSYMP2010	NSYVR20	NSYTVR20	-	-
2000	1000	500	2	NSYSPF10200	NSYSPS5200	NSYID2010	NSYMP2010	NSYVR20	NSYTVR20	-	-
2000	1200	400	2	NSYSPF12200	NSYSPS4200	-	NSYMP2012	NSYVR20	NSYTVR20	-	-
2000	1200	500	2	NSYSPF12200	NSYSPS5200	-	NSYMP2012	NSYVR20	NSYTVR20	-	-
2000	1200	600	2	NSYSPF12200	NSYSPS6200	-	NSYMP2012	NSYVR20	NSYTVR20	-	-
2000	1600	400	2	NSYSPF16200	NSYSPS4200	-	NSYMP2016	NSYVR20	NSYTVR20	-	-
2000	1600	500	2	NSYSPF16200	NSYSPS5200	-	NSYMP2016	NSYVR20	NSYTVR20	-	-
2000	1600	600	2	NSYSPF16200	NSYSPS6200	-	NSYMP2016	NSYVR20	NSYTVR20	-	-

Compact metal enclosures

Dimensions

Dimensions



Models with a width of 1200 mm
without top/bottom adjustment rails

Composition accessories

Lifting systems



Eyebolts

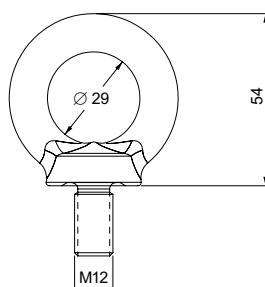
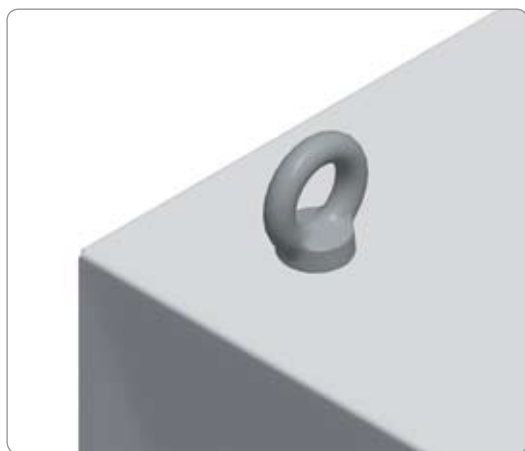
- Set of M12 lifting eyebolts, fixed to the enclosure by fixing nuts.
- Material: galvanised cast steel.
- Maximum load: 340 kg per eyebolt and sling at 60°.



Supply: 4 eyebolts and 4 fixing nuts.

Reference

NSYSMEB



3



Wall-mounting support

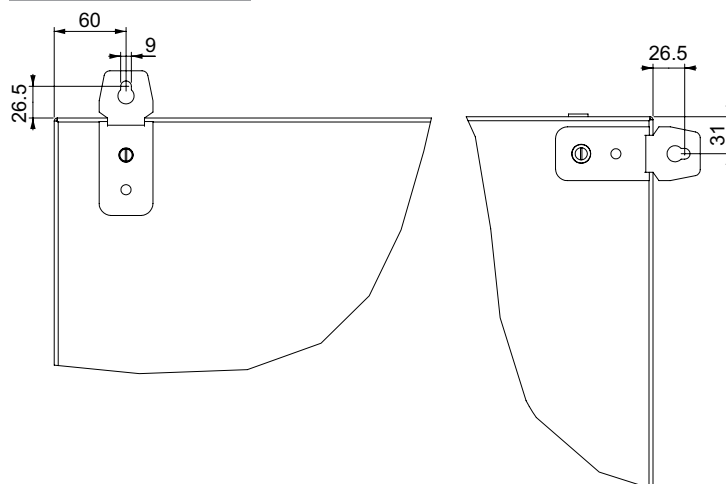
- Supports for mounting the enclosure on the wall and preventing it from turning over.
- They are installed using the drill holes in the back of the enclosure.
- Enclosure fixed from the outside.
- Material: steel.
- Finish: zinc-coated.



Supply: 2 supports.

Reference

NSYSMWFIX



Composition accessories

Roof

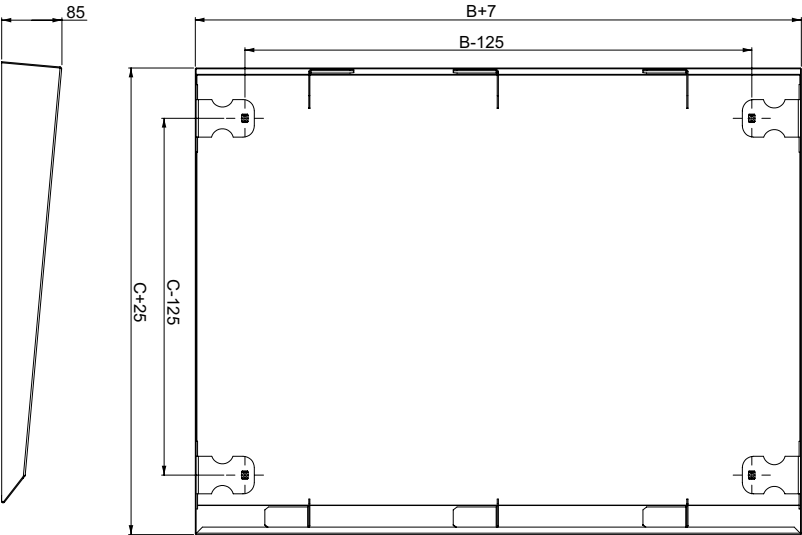


Canopy

- Provides excellent protection against splashes from rainwater.
- Highly recommended for outdoor applications.
- **Spacial SF:** fixing by drill holes to be made in the roof of the enclosure.
- **Spacial SM:** fixing by drill holes already made in the roof.
- Material: galvanised steel.
- Finish: painted with polyester-epoxy resin, RAL 7035 grey.
- Not compatible with the simultaneous use of lifting elements.
- **Spacial SF:** it is possible to use a single canopy with combinations of enclosure suites (example of a 1600 mm canopy with two coupled 800-mm enclosures).

 Supply: one canopy, drilling template and fixing elements.

Nominal dimensions (mm)		Reference
Width (B)	Depth (C)	
600	300	NSYSC630
	400	NSYSC640
	500	NSYSC650
	600	NSYSC660
800	300	NSYSC830
	400	NSYSC840
	500	NSYSC850
	600	NSYSC860
1000	300	NSYSC1030
	400	NSYSC1040
	500	NSYSC1050
	600	NSYSC1060
1200	300	NSYSC1230
	400	NSYSC1240
	500	NSYSC1250
	600	NSYSC1260
1600	400	NSYSC1640
	500	NSYSC1650
	600	NSYSC1660
1800	500	NSYSC1850
	600	NSYSC1860
2000	500	NSYSC2050
	600	NSYSC2060
2400	500	NSYSC2450
	600	NSYSC2460



Composition accessories

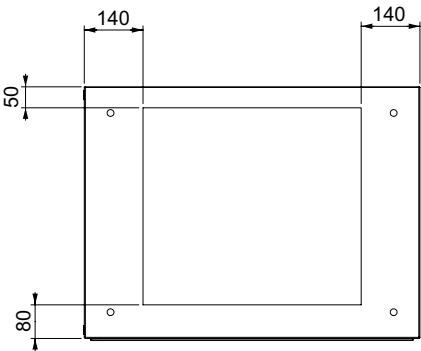
Cable entry

Plain cable-gland plate

- Plain cable-gland plates for compact enclosures.
- Fixing from the outside in:
 - Enclosures with the cable entry at the top (enclosures rotated 180°). Compatible with the plinth.
 - Enclosures with cut-out roof.
- Fixing from the inside on the base of the enclosure.
- Material: steel.
- Finish: painted with epoxy-polyester resin, RAL 7035 grey.

 Supply: 1 plain plate and fixing elements.

Spacial SM Dimensions (mm)		Reference
Width	Depth	
600	300	NSYSMEC63
600	400	NSYSMEC64
600	500	NSYSMEC65
600	600	NSYSMEC66
800	300	NSYSMEC83
800	400	NSYSMEC84
800	500	NSYSMEC85
800	600	NSYSMEC86
1000	300	NSYSMEC103
1000	400	NSYSMEC104
1000	500	NSYSMEC105
1200	300	2 x NSYSMEC63
1200	400	2 x NSYSMEC64
1200	500	2 x NSYSMEC65
1200	600	2 x NSYSMEC66
1600	500	2 x NSYSMEC85
1600	600	2 x NSYSMEC86



Dimensions of the cut-out to be made in the roof if the enclosure is not rotated 180°.

Suitable metal enclosures

Introduction



Front door and rear panel, with or without IP55 galvanised mounting plate

Basic composition

- Structure: Top and bottom frame, vertical uprights.
- Front door, two versions:
 - Plain door with reinforcement frame.
 - Transparent Securit® glass door.
- The double doors are overlapping, with system for fixing the left door.
- Rear panel screwed on with captive screws.
- Removable roof.
- Standard locking system with handle and 5-mm double-bar insert.
- 4 support brackets for the mounting plate.
- Sliding rail for the mounting plate.
- Supply with or without galvanised mounting plate depending on the reference.
- Further options:
 - Cross rails.
 - Individual and set plinths with heights of 100 and 200 mm.
 - Cable-gland plates.

Certifications

- BV, DNV, UL and CUL*.
- *1 Door.- 1, 12, 12K
- *2 Doors.- 1, 12, 12K

Easy installation

- The **Spacial SF** suitable metal enclosure is made up of: 4 uprights and 2 frames, top and bottom. Thanks to its use of a single, laser-welded, galvanised-steel structure, the enclosure has great robustness. The structure has cut-outs with a pitch of 25 mm for fixing accessories, using the same type of screw throughout the entire structure.
- The structure of the enclosure allows the integration of panels, thus obtaining the same nominal length (or size) with or without panels.
- Allows several enclosures to be coupled with full versatility. Offers the possibility of creating any desired shape of coupled enclosures, plus the possibility of installing doors on any side of the enclosure. The coupling surface between enclosures offers a double protective barrier against the entry of water and/or dust.
- The panels are made up of:
 - Sheet-steel door, painted with epoxy-polyester resin, textured RAL 7035 grey,
 - Sheet-steel rear and side panels painted with epoxy-polyester resin, textured RAL 7035 grey, double folded to increase the rigidity and fixed with captive screws that simplify assembly and dismantling.
 - Individual plinths or plinths for sets, painted with epoxy-polyester resin, RAL 7022 grey, greatly simplifying cable management.
- A broad range of accessories offered for the production of:
 - Plates for automatisms.
 - Modular distribution system.
 - 19" racks.
 - etc.
- Degree of protection IP55 according to IEC 60529.
- Resistance to mechanical impacts: IK10 according to IEC 62262 (IK08 for the transparent doors).

Locking system

- New design, modern appearance, ergonomic, robust, complying with numerous specifications:
 - Combination keys.
 - Shape inserts.
 - Push button.
- Optional:
 - Handle lock, lock for versions DIN, KABA, ASSA.
 - Handle lock for 2 inserts, "AND" or "OR" combination.
 - Padlock locking.
 - CNOMO kit.

Suitable metal enclosures

Assembled supply



Nominal dimensions (mm)			No. of doors	Plain door		Transparent door	Side panels	Cable-entry plate		
Height (A)	Width (B)	Depth (C)		With mounting plate	Without mounting plate	Without mounting plate		Plain	1 entry	2 entries
1200	600	400	1	NSYSF12640P	NSYSF12640	-	NSY2SP124	NSYEC64	NSYEC641	-
1200	600	600	1	NSYSF12660P	NSYSF12660	-	NSY2SP126	NSYEC66	NSYEC661	NSYEC662
1200	800	400	1	NSYSF12840P	NSYSF12840	-	NSY2SP124	NSYEC84	NSYEC841	-
1200	800	600	1	NSYSF12860P	NSYSF12860	-	NSY2SP126	NSYEC86	NSYEC861	NSYEC862
1400	600	400	1	NSYSF14640P	NSYSF14640	-	NSY2SP144	NSYEC64	NSYEC641	-
1400	800	400	1	NSYSF14840P	NSYSF14840	-	NSY2SP144	NSYEC84	NSYEC841	-
1600	600	600	1	NSYSF16660P	NSYSF16660	-	NSY2SP166	NSYEC66	NSYEC661	NSYEC662
1600	600	800	1	NSYSF16680P	NSYSF16680	-	NSY2SP168	NSYEC68	NSYEC681	NSYEC682
1600	800	600	1	NSYSF16860P	NSYSF16860	-	NSY2SP166	NSYEC86	NSYEC861	NSYEC862
1600	800	800	1	NSYSF16880P	NSYSF16880	-	NSY2SP168	NSYEC88	NSYEC881	NSYEC882
1800	400	400	1	-	NSYSF18440	-	NSY2SP184	NSYEC44	NSYEC441	-
1800	400	500	1	-	NSYSF18450	-	NSY2SP185	NSYEC45	NSYEC451	-
1800	400	600	1	-	NSYSF18460	-	NSY2SP186	NSYEC46	NSYEC461	-
1800	600	400	1	NSYSF18640P	NSYSF18640	NSYSF18640T	NSY2SP184	NSYEC64	NSYEC641	-
1800	600	500	1	NSYSF18650P	NSYSF18650	NSYSF18650T	NSY2SP185	NSYEC65	NSYEC651	-
1800	600	600	1	NSYSF18660P	NSYSF18660	-	NSY2SP186	NSYEC66	NSYEC661	NSYEC662
1800	600	800	1	-	-	NSYSF18680T	NSY2SP188	NSYEC68	NSYEC681	NSYEC682
1800	800	400	1	NSYSF18840P	NSYSF18840	NSYSF18840T	NSY2SP184	NSYEC84	NSYEC841	-
1800	800	500	1	NSYSF18850P	NSYSF18850	NSYSF18850T	NSY2SP185	NSYEC85	NSYEC851	-
1800	800	600	1	NSYSF18860P	NSYSF18860	NSYSF18860T	NSY2SP186	NSYEC86	NSYEC861	NSYEC862
1800	800	600	2	NSYSF188602DP	NSYSF188602D	-	NSY2SP186	NSYEC86	NSYEC861	NSYEC862
1800	1000	400	1	NSYSF181040P	NSYSF181040	-	NSY2SP184	NSYEC104	NSYEC1041	-
1800	1000	400	2	NSYSF1810402DP	NSYSF1810402D	-	NSY2SP184	NSYEC104	NSYEC1041	-
1800	1000	500	1	NSYSF181050P	NSYSF181050	-	NSY2SP185	NSYEC105	NSYEC1051	-
1800	1000	600	1	NSYSF181060P	NSYSF181060	-	NSY2SP186	NSYEC106	NSYEC1061	NSYEC1062
1800	1000	600	2	NSYSF1810602DP	NSYSF1810602D	-	NSY2SP186	NSYEC106	NSYEC1061	NSYEC1062
1800	1200	400	2	NSYSF1812402DP	NSYSF1812402D	-	NSY2SP184	NSYEC124	NSYEC1241	-
1800	1200	500	2	NSYSF1812502DP	NSYSF1812502D	-	NSY2SP185	NSYEC125	NSYEC1251	-
1800	1200	600	2	NSYSF1812602DP	NSYSF1812602D	-	NSY2SP186	NSYEC126	NSYEC1261	NSYEC1262
2000	300	500	1	-	NSYSF20350	-	NSY2SP205	NSYEC35	NSYEC351	-
2000	300	600	1	-	NSYSF20360	-	NSY2SP206	NSYEC36	NSYEC361	-
2000	300	800	1	-	NSYSF20380	-	NSY2SP208	-	NSYEC381	-
2000	400	400	1	-	NSYSF20440	-	NSY2SP204	NSYEC44	NSYEC441	-
2000	400	500	1	-	NSYSF20450	-	NSY2SP205	NSYEC45	NSYEC451	-
2000	400	600	1	-	NSYSF20460	-	NSY2SP206	NSYEC46	NSYEC461	-
2000	400	800	1	-	NSYSF20480	-	NSY2SP208	NSYEC48	NSYEC481	-
2000	600	400	1	NSYSF20640P	NSYSF20640	NSYSF20640T	NSY2SP204	NSYEC64	NSYEC641	-
2000	600	500	1	NSYSF20650P	NSYSF20650	NSYSF20650T	NSY2SP205	NSYEC65	NSYEC651	-
2000	600	600	1	NSYSF20660P	NSYSF20660	-	NSY2SP206	NSYEC66	NSYEC661	NSYEC662
2000	600	800	1	NSYSF20680P	NSYSF20680	-	NSY2SP208	NSYEC68	NSYEC681	NSYEC682
2000	800	400	1	NSYSF20840P	NSYSF20840	NSYSF20840T	NSY2SP204	NSYEC84	NSYEC841	-
2000	800	500	1	NSYSF20850P	NSYSF20850	NSYSF20850T	NSY2SP205	NSYEC85	NSYEC851	-
2000	800	600	1	NSYSF20860P	NSYSF20860	NSYSF20860T	NSY2SP206	NSYEC86	NSYEC861	NSYEC862
2000	800	600	2	NSYSF208602DP	NSYSF208602D	-	NSY2SP206	NSYEC86	NSYEC861	NSYEC862
2000	800	800	1	NSYSF20880P	NSYSF20880	NSYSF20880T	NSY2SP208	NSYEC88	NSYEC881	NSYEC882
2000	1000	400	1	NSYSF201040P	NSYSF201040	NSYSF201040T	NSY2SP204	NSYEC104	NSYEC1041	-
2000	1000	400	2	NSYSF2010402DP	NSYSF2010402D	-	NSY2SP204	NSYEC104	NSYEC1041	-
2000	1000	500	1	NSYSF201050P	NSYSF201050	NSYSF201050T	NSY2SP205	NSYEC105	NSYEC1051	-
2000	1000	500	2	NSYSF2010502DP	NSYSF2010502D	-	NSY2SP205	NSYEC105	NSYEC1051	-
2000	1000	600	1	NSYSF201060P	NSYSF201060	NSYSF201060T	NSY2SP206	NSYEC106	NSYEC1061	NSYEC1062
2000	1000	600	2	NSYSF2010602DP	NSYSF2010602D	-	NSY2SP206	NSYEC106	NSYEC1061	NSYEC1062
2000	1000	800	1	NSYSF201080P	NSYSF201080	-	NSY2SP208	NSYEC108	NSYEC1081	NSYEC1082
2000	1200	400	2	NSYSF2012402DP	NSYSF2012402D	-	NSY2SP204	NSYEC124	NSYEC1241	-
2000	1200	500	2	NSYSF2012502DP	NSYSF2012502D	-	NSY2SP205	NSYEC125	NSYEC1251	-
2000	1200	600	2	NSYSF2012602DP	NSYSF2012602D	-	NSY2SP206	NSYEC126	NSYEC1261	NSYEC1262
2000	1200	800	2	NSYSF2012802DP	NSYSF2012802D	-	NSY2SP208	NSYEC128	NSYEC1281	NSYEC1282
2000	1600	400	2	NSYSF2016402DP	NSYSF2016402D	-	NSY2SP204	NSYEC164	NSYEC1641	-
2000	1600	500	2	NSYSF2016502DP	NSYSF2016502D	-	NSY2SP205	NSYEC165	NSYEC1651	-
2000	1600	600	2	NSYSF2016602DP	NSYSF2016602D	-	NSY2SP206	NSYEC166	NSYEC1661	NSYEC1662
2200	400	600	1	-	NSYSF22460	-	NSY2SP226	NSYEC46	NSYEC461	-
2200	600	600	1	NSYSF22660P	NSYSF22660	-	NSY2SP226	NSYEC66	NSYEC661	NSYEC662
2200	600	800	1	NSYSF22680P	NSYSF22680	-	NSY2SP228	NSYEC68	NSYEC681	NSYEC682
2200	800	600	1	NSYSF22860P	NSYSF22860	-	NSY2SP226	NSYEC86	NSYEC861	NSYEC862
2200	800	800	1	NSYSF22880P	NSYSF22880	NSYSF22880T	NSY2SP228	NSYEC88	NSYEC881	NSYEC882
2200	1000	600	1	NSYSF221060P	NSYSF221060	-	NSY2SP226	NSYEC106	NSYEC1061	NSYEC1062
2200	1200	600	2	NSYSF2212602DP	NSYSF2212602D	-	NSY2SP226	NSYEC126	NSYEC1261	NSYEC1262
2200	1200	800	2	NSYSF2212802DP	NSYSF2212802D	-	NSY2SP228	NSYEC128	NSYEC1281	NSYEC1282

Suitable metal enclosures

Assembled supply

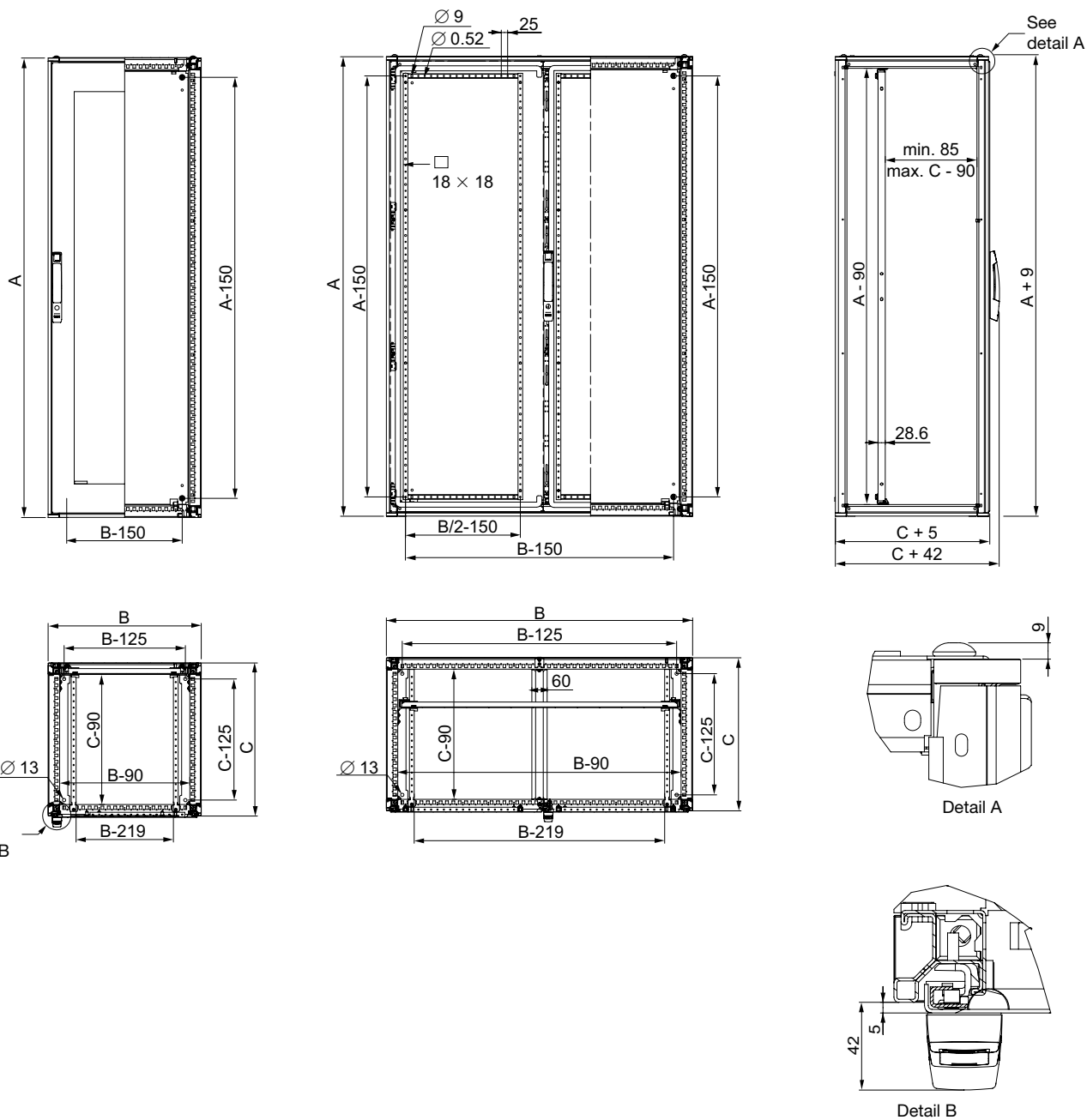


Nominal dimensions (mm)			Plinth				Mounting plate	Intermediate mounting plate	Standard vertical uprights	Technical vertical uprights
			Height 100 (mm)		Height 200 (mm)					
Height (A)	Width (B)	Depth (C)	Front kit (corners + front panels)	Side panels, 2 u.	Front kit (corners + front panels)	Side panels, 4 u.				
1200	600	400	NSYSPF6100	NSYSPS4100	NSYSPF6200	NSYSPS4200	NSYMP126	NSYSIMP12	-	NSYTVR12
1200	600	600	NSYSPF6100	NSYSPS6100	NSYSPF6200	NSYSPS6200	NSYMP126	NSYSIMP12	-	NSYTVR12
1200	800	400	NSYSPF8100	NSYSPS4100	NSYSPF8200	NSYSPS4200	NSYMP128	NSYSIMP12	-	NSYTVR12
1200	800	600	NSYSPF8100	NSYSPS6100	NSYSPF8200	NSYSPS6200	NSYMP128	NSYSIMP12	-	NSYTVR12
1400	600	400	NSYSPF6100	NSYSPS4100	NSYSPF6200	NSYSPS4200	NSYMP146	NSYSIMP14	-	NSYTVR14
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1600	600	600	NSYSPF6100	NSYSPS6100	NSYSPF6200	NSYSPS6200	NSYMP166	NSYSIMP16	-	NSYTVR16
1600	600	800	NSYSPF6100	NSYSPS8100	NSYSPF6200	NSYSPS8200	NSYMP166	NSYSIMP16	-	NSYTVR16
1600	800	600	NSYSPF8100	NSYSPS6100	NSYSPF8200	NSYSPS6200	NSYMP168	NSYSIMP16	-	NSYTVR16
1600	800	800	NSYSPF8100	NSYSPS8100	NSYSPF8200	NSYSPS8200	NSYMP168	NSYSIMP16	-	NSYTVR16
1800	400	400	NSYSPF4100	NSYSPS4100	NSYSPF4200	NSYSPS4200	-	-	NSYVR18	NSYTVR18
1800	400	500	NSYSPF4100	NSYSPS5100	NSYSPF4200	NSYSPS5200	-	-	NSYVR18	NSYTVR18
1800	400	600	NSYSPF4100	NSYSPS6100	NSYSPF4200	NSYSPS6200	-	-	NSYVR18	NSYTVR18
1800	600	400	NSYSPF6100	NSYSPS4100	NSYSPF6200	NSYSPS4200	NSYMP186	NSYSIMP18	NSYVR18	NSYTVR18
1800	600	500	NSYSPF6100	NSYSPS5100	NSYSPF6200	NSYSPS5200	NSYMP186	NSYSIMP18	NSYVR18	NSYTVR18
1800	600	600	NSYSPF6100	NSYSPS6100	NSYSPF6200	NSYSPS6200	NSYMP186	NSYSIMP18	NSYVR18	NSYTVR18
1800	600	800	NSYSPF6100	NSYSPS8100	NSYSPF6200	NSYSPS8200	NSYMP186	NSYSIMP18	NSYVR18	NSYTVR18
1800	800	400	NSYSPF8100	NSYSPS4100	NSYSPF8200	NSYSPS4200	NSYMP188	NSYSIMP18	NSYVR18	NSYTVR18
1800	800	500	NSYSPF8100	NSYSPS5100	NSYSPF8200	NSYSPS5200	NSYMP188	NSYSIMP18	NSYVR18	NSYTVR18
1800	800	600	NSYSPF8100	NSYSPS6100	NSYSPF8200	NSYSPS6200	NSYMP188	NSYSIMP18	NSYVR18	NSYTVR18
1800	800	600	NSYSPF8100	NSYSPS6100	NSYSPF8200	NSYSPS6200	NSYMP188	NSYSIMP18	NSYVR18	NSYTVR18
1800	1000	400	NSYSPF10100	NSYSPS4100	NSYSPF10200	NSYSPS4200	NSYMP1810	NSYSIMP18	NSYVR18	NSYTVR18
1800	1000	400	NSYSPF10100	NSYSPS4100	NSYSPF10200	NSYSPS4200	NSYMP1810	NSYSIMP18	NSYVR18	NSYTVR18
1800	1000	500	NSYSPF10100	NSYSPS5100	NSYSPF10200	NSYSPS5200	NSYMP1810	NSYSIMP18	NSYVR18	NSYTVR18
1800	1000	600	NSYSPF10100	NSYSPS6100	NSYSPF10200	NSYSPS6200	NSYMP1810	NSYSIMP18	NSYVR18	NSYTVR18
1800	1000	600	NSYSPF10100	NSYSPS6100	NSYSPF10200	NSYSPS6200	NSYMP1810	NSYSIMP18	NSYVR18	NSYTVR18
1800	1200	400	NSYSPF12100	NSYSPS4100	NSYSPF12200	NSYSPS4200	NSYMP1812	NSYSIMP18	NSYVR18	NSYTVR18
1800	1200	500	NSYSPF12100	NSYSPS5100	NSYSPF12200	NSYSPS5200	NSYMP1812	NSYSIMP18	NSYVR18	NSYTVR18
1800	1200	600	NSYSPF12100	NSYSPS6100	NSYSPF12200	NSYSPS6200	NSYMP1812	NSYSIMP18	NSYVR18	NSYTVR18
2000	300	500	NSYSPF3100	NSYSPS5100	NSYSPF3200	NSYSPS5200	-	-	NSYVR20	NSYTVR20
2000	300	600	NSYSPF3100	NSYSPS6100	NSYSPF3200	NSYSPS6200	-	-	NSYVR20	NSYTVR20
2000	300	800	NSYSPF3100	NSYSPF8100	NSYSPF3200	NSYSPF8200	-	-	NSYVR20	NSYTVR20
2000	400	400	NSYSPF4100	NSYSPS4100	NSYSPF4200	NSYSPS4200	-	-	NSYVR20	NSYTVR20
2000	400	500	NSYSPF4100	NSYSPS5100	NSYSPF4200	NSYSPS5200	-	-	NSYVR20	NSYTVR20
2000	400	600	NSYSPF4100	NSYSPS6100	NSYSPF4200	NSYSPS6200	-	-	NSYVR20	NSYTVR20
2000	400	800	NSYSPF4100	NSYSPS8100	NSYSPF4200	NSYSPS8200	-	-	NSYVR20	NSYTVR20
2000	600	400	NSYSPF6100	NSYSPS4100	NSYSPF6200	NSYSPS4200	NSYMP206	NSYSIMP20	NSYVR20	NSYTVR20
2000	600	500	NSYSPF6100	NSYSPS5100	NSYSPF6200	NSYSPS5200	NSYMP206	NSYSIMP20	NSYVR20	NSYTVR20
2000	600	600	NSYSPF6100	NSYSPS6100	NSYSPF6200	NSYSPS6200	NSYMP206	NSYSIMP20	NSYVR20	NSYTVR20
2000	600	800	NSYSPF6100	NSYSPS8100	NSYSPF6200	NSYSPS8200	NSYMP206	NSYSIMP20	NSYVR20	NSYTVR20
2000	800	400	NSYSPF8100	NSYSPS4100	NSYSPF8200	NSYSPS4200	NSYMP208	NSYSIMP20	NSYVR20	NSYTVR20
2000	800	500	NSYSPF8100	NSYSPS5100	NSYSPF8200	NSYSPS5200	NSYMP208	NSYSIMP20	NSYVR20	NSYTVR20
2000	800	600	NSYSPF8100	NSYSPS6100	NSYSPF8200	NSYSPS6200	NSYMP208	NSYSIMP20	NSYVR20	NSYTVR20
2000	800	600	NSYSPF8100	NSYSPS6100	NSYSPF8200	NSYSPS6200	NSYMP208	NSYSIMP20	NSYVR20	NSYTVR20
2000	800	800	NSYSPF8100	NSYSPS8100	NSYSPF8200	NSYSPS8200	NSYMP208	NSYSIMP20	NSYVR20	NSYTVR20
2000	1000	400	NSYSPF10100	NSYSPS4100	NSYSPF10200	NSYSPS4200	NSYMP2010	NSYSIMP20	NSYVR20	NSYTVR20
2000	1000	400	NSYSPF10100	NSYSPS4100	NSYSPF10200	NSYSPS4200	NSYMP2010	NSYSIMP20	NSYVR20	NSYTVR20
2000	1000	500	NSYSPF10100	NSYSPS5100	NSYSPF10200	NSYSPS5200	NSYMP2010	NSYSIMP20	NSYVR20	NSYTVR20
2000	1000	500	NSYSPF10100	NSYSPS5100	NSYSPF10200	NSYSPS5200	NSYMP2010	NSYSIMP20	NSYVR20	NSYTVR20
2000	1000	600	NSYSPF10100	NSYSPS6100	NSYSPF10200	NSYSPS6200	NSYMP2010	NSYSIMP20	NSYVR20	NSYTVR20
2000	1000	600	NSYSPF10100	NSYSPS6100	NSYSPF10200	NSYSPS6200	NSYMP2010	NSYSIMP20	NSYVR20	NSYTVR20
2000	1000	800	NSYSPF10100	NSYSPS8100	NSYSPF10200	NSYSPS8200	NSYMP2010	NSYSIMP20	NSYVR20	NSYTVR20
2000	1200	400	NSYSPF12100	NSYSPS4100	NSYSPF12200	NSYSPS4200	NSYMP2012	NSYSIMP20	NSYVR20	NSYTVR20
2000	1200	500	NSYSPF12100	NSYSPS5100	NSYSPF12200	NSYSPS5200	NSYMP2012	NSYSIMP20	NSYVR20	NSYTVR20
2000	1200	600	NSYSPF12100	NSYSPS6100	NSYSPF12200	NSYSPS6200	NSYMP2012	NSYSIMP20	NSYVR20	NSYTVR20
2000	1200	800	NSYSPF12100	NSYSPS8100	NSYSPF12200	NSYSPS8200	NSYMP2012	NSYSIMP20	NSYVR20	NSYTVR20
2000	1600	400	NSYSPF16100	NSYSPS4100	NSYSPF16200	NSYSPS4200	NSYMP2016	NSYSIMP20	NSYVR20	NSYTVR20
2000	1600	500	NSYSPF16100	NSYSPS5100	NSYSPF16200	NSYSPS5200	NSYMP2016	NSYSIMP20	NSYVR20	NSYTVR20
2000	1600	600	NSYSPF16100	NSYSPS6100	NSYSPF16200	NSYSPS6200	NSYMP2016	NSYSIMP20	NSYVR20	NSYTVR20
2200	400	600	NSYSPF4100	NSYSPS6100	NSYSPF4200	NSYSPS6200	-	-	NSYVR22	NSYTVR22
2200	600	600	NSYSPF6100	NSYSPS6100	NSYSPF6200	NSYSPS6200	NSYMP226	NSYSIMP22	NSYVR22	NSYTVR22
2200	600	800	NSYSPF6100	NSYSPS8100	NSYSPF6200	NSYSPS8200	NSYMP226	NSYSIMP22	NSYVR22	NSYTVR22
2200	800	600	NSYSPF8100	NSYSPS6100	NSYSPF8200	NSYSPS6200	NSYMP228	NSYSIMP22	NSYVR22	NSYTVR22
2200	800	800	NSYSPF8100	NSYSPS8100	NSYSPF8200	NSYSPS8200	NSYMP228	NSYSIMP22	NSYVR22	NSYTVR22
2200	1000	600	NSYSPF10100	NSYSPS6100	NSYSPF10200	NSYSPS6200	NSYMP2210	NSYSIMP22	NSYVR22	NSYTVR22
2200	1200	600	NSYSPF12100	NSYSPS6100	NSYSPF12200	NSYSPS6200	NSYMP2212	NSYSIMP22	NSYVR22	NSYTVR22
2200	1200	800	NSYSPF12100	NSYSPS8100	NSYSPF12200	NSYSPS8200	NSYMP2212	NSYSIMP22	NSYVR22	NSYTVR22

Suitable metal enclosures

Dimensions

Dimensions



Composition accessories

Panels



Side panels

External fixing

- Set of 2 side panels fixed from the outside of the enclosure.
- Captive screws.
- Material: steel.
- Finish: painted with epoxy-polyester resin, textured RAL 7035 grey.

 Supply: 2 side panels fixed from the outside and fixing elements.

Nominal dimensions (mm)		Reference
Height	Depth	
1200	400	NSY2SP124
	500	NSY2SP125
	600	NSY2SP126
	800	NSY2SP128
1400	400	NSY2SP144
	500	NSY2SP145
	600	NSY2SP146
	800	NSY2SP148
1600	400	NSY2SP164
	500	NSY2SP165
	600	NSY2SP166
	800	NSY2SP168
1800	400	NSY2SP184
	500	NSY2SP185
	600	NSY2SP186
	800	NSY2SP188
2000	400	NSY2SP204
	500	NSY2SP205
	600	NSY2SP206
	800	NSY2SP208
2200	400	NSY2SP224
	500	NSY2SP225
	600	NSY2SP226
	800	NSY2SP228



Trim cap

- Trim cap for external fixing panels, both side and rear.
- Material: polyamide 6.
- Finish: RAL 7035 grey.

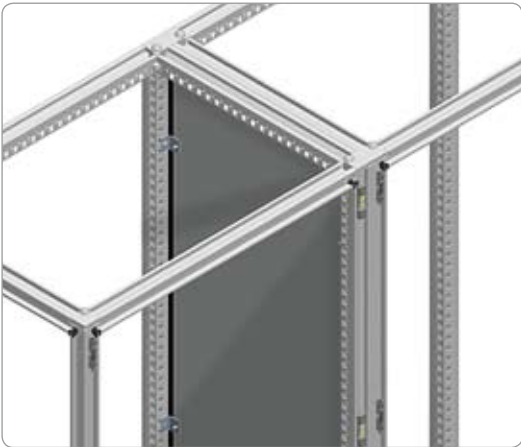
 Supply: 50 units.

 Reference by unit. Order by multiples of 50 (50, 100, 150...).

Reference
NSYCSP

Composition accessories

Panels



Partition panel

- Partition panel for direct fixing to the structure, guarantees a water/dustproof protection of IP10 between enclosure suites.
- Material: galvanised steel.

 Supply: 1 partition panel, sealing gasket and fixing elements.

Nominal dimensions (mm)		Reference
Height	Depth	
1600	600	NSYPPS166
	800	NSYPPS168
1800	400	NSYPPS184
	500	NSYPPS185
	600	NSYPPS186
	800	NSYPPS188
2000	400	NSYPPS204
	500	NSYPPS205
	600	NSYPPS206
	800	NSYPPS208
2200	600	NSYPPS226
	800	NSYPPS228

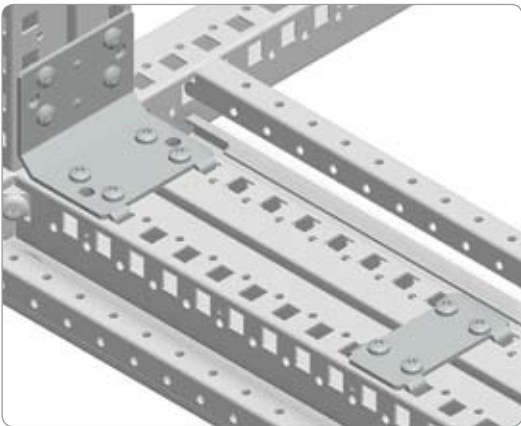


Enclosure suites

Standard coupling kit

- Used for joining enclosures side-to-side or depthwise.
- Fixing from the inside of the enclosures.
- Degree of protection: IP55.
- Material:
 - Flat connectors and brackets: zinc-coated steel.
 - Sealing gasket: EPDM.

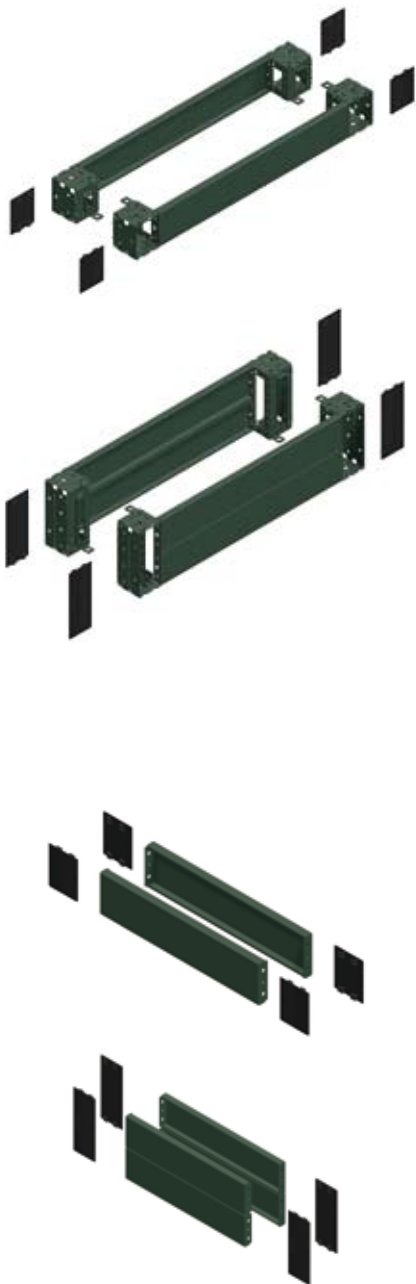
 Supply: 4 brackets, 2 flat connectors, sealing gasket and fixing elements.



Reference
NSYSFBK

Composition accessories

Floor



Front plinth

- The front and rear of the plinth consists of 4 corners with 2 or 4 panels.
- Material: folded sheet steel, corner with a thickness of 2.5 mm.
- Finish: painted with epoxy-polyester resin, RAL 7022 grey.
- Degree of protection: IP30 of the complete plinth.
- Resistance to external mechanical impacts: IK10.
- Maximum load: 1300 kg.
- Model heights: 100 and 200 mm.



Supply:

- **Height 100 mm:** 4 corners, 2 panels (front and rear), 4 corner covers and fixing elements.
- **Height 200 mm:** 4 corners, 4 panels (2 front and 2 rear), 4 corner covers and fixing elements.

Nominal dimensions (mm)	Reference	
	100 mm	200 mm
Width		
300	NSYSPF3100	NSYSPF3200
400	NSYSPF4100	NSYSPF4200
600	NSYSPF6100	NSYSPF6200
800	NSYSPF8100	NSYSPF8200
1000	NSYSPF10100	NSYSPF10200
1200	NSYSPF12100	NSYSPF12200
1600	NSYSPF16100	NSYSPF16200

Plinth side panels

- They are fixed to the corner of the plinth by 2 fixing screws.
- Material: folded sheet steel.
- Finish: painted with epoxy-polyester resin, RAL 7022 grey.
- Degree of protection: IP30 of the complete plinth.
- Resistance to external mechanical impacts: IK10.
- Model heights: 100 and 200 mm.



Supply:

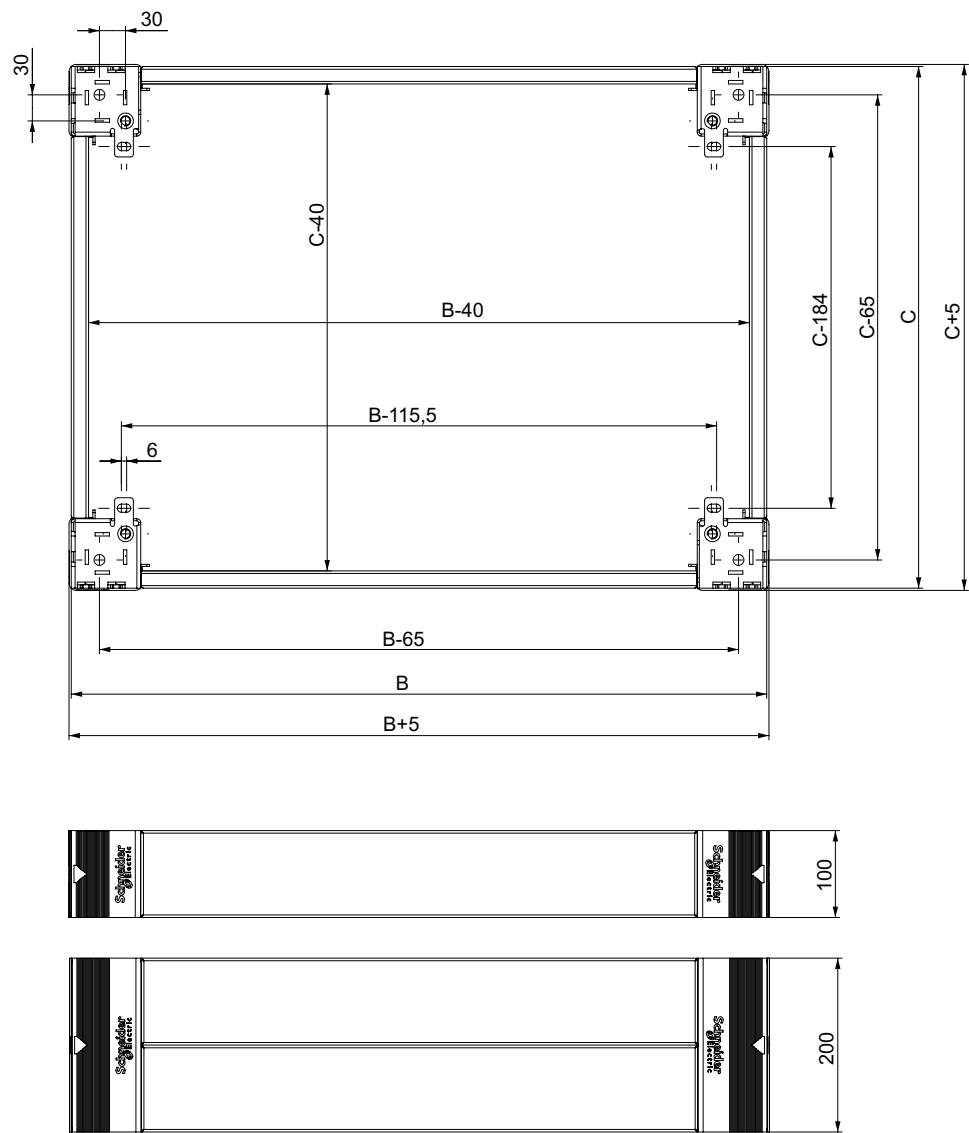
- **Height 100 mm:** 2 side panels, 4 corner covers and fixing elements.
- **Height 200 mm:** 4 side panels (height of 100 mm, 2 for each side), 4 corner covers and fixing elements.

Nominal dimensions (mm)	Reference	
	100 mm	200 mm
Depth		
300	NSYSPS3100	NSYSPS3200
400	NSYSPS4100	NSYSPS4200
500	NSYSPS5100	NSYSPS5200
600	NSYSPS6100	NSYSPS6200
800	NSYSPS8100	NSYSPS8200

Composition accessories

Floor

General layout of the plinth



Screws and nuts for internal fixing of the plinth panels

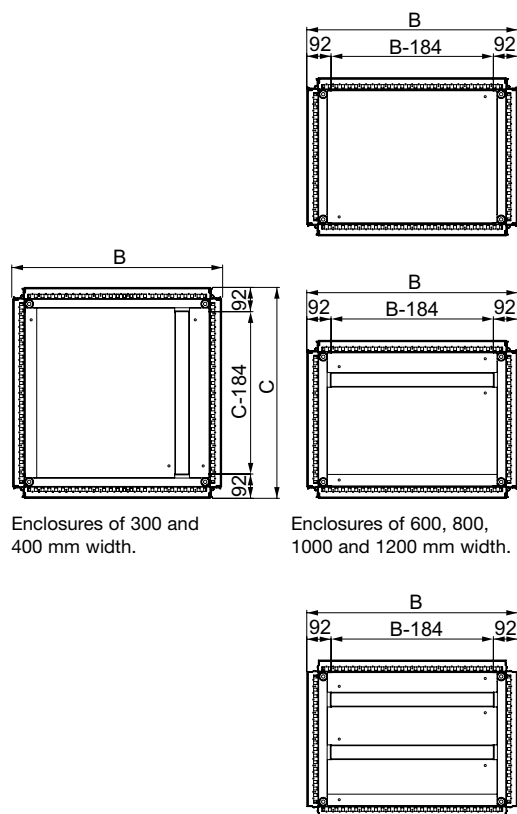
- Optional fixings for the panels with M6 screws and caged nuts.
- According to the position of the caged nut, the panels can be made tamper-proof. By accessing the screw, only from the inside of the enclosure.
- Valid for all types of panels.

Screws and nuts for internal fixing of plinth panels		
Description	Supply (units)	Reference
Torx T30 M6 x 10 screws	50	NSYSPM6
M6 caged nuts	100	NSYCN9M625

 Reference by unit. Order by multiples of 50 (Torx screws) and 100 (Caged nuts).

Composition accessories

Cable entry



Nominal SF dimensions (mm)		Reference		
Width (B)	Depth (C)	Plain	With 1 entry	With 2 entries
300	500	NSYEC35	NSYEC351	-
300	600	NSYEC36	NSYEC361	-
400	400	NSYEC44	NSYEC441	-
400	500	NSYEC45	NSYEC451	-
400	600	NSYEC46	NSYEC461	-
400	800	NSYEC48	NSYEC481	-
600	400	NSYEC64	NSYEC641	-
600	500	NSYEC65	NSYEC651	-
600	600	NSYEC66	NSYEC661	NSYEC662
600	800	NSYEC68	NSYEC681	NSYEC682
800	400	NSYEC84	NSYEC841	-
800	500	NSYEC85	NSYEC851	-
800	600	NSYEC86	NSYEC861	NSYEC862
800	800	NSYEC88	NSYEC881	NSYEC882
1000	400	NSYEC104	NSYEC1041	-
1000	500	NSYEC105	NSYEC1051	-
1000	600	NSYEC106	NSYEC1061	NSYEC1062
1000	800	NSYEC108	NSYEC1081	NSYEC1082
1200	400	NSYEC124	NSYEC1241	-
1200	500	NSYEC125	NSYEC1251	-
1200	600	NSYEC126	NSYEC1261	NSYEC1262
1200	800	NSYEC128	NSYEC1281	NSYEC1282
1600	400	NSYEC164	NSYEC1641	-
1600	500	NSYEC165	NSYEC1651	-
1600	600	NSYEC166	NSYEC1661	NSYEC1662

3

Brush-type cable-entry gasket

- For plates with 1 or 2 cable entries. The cables can have different diameters.
- Guarantees good protection against dust.
- Quick and effective installation by clipping onto the sheet.
- Width of the brush-type gasket: 25 mm.



Supply: 2 brush-type gaskets.



Spacial SF width (mm)	Reference
300	NSYBCE3
400	NSYBCE4
600	NSYBCE6
800	NSYBCE8
1000	NSYBCE10
1200	NSYBCE12
1600	NSYBCE16

Composition accessories

Lifting systems

3



> Advantage:

Eyebolts screwed directly into the vertical axis of the upright contribute greatly to robustness during transport.

Eyebolts

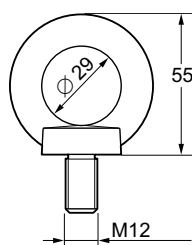
- Set of M12 lifting eyebolts, which screw directly into the structure of the enclosure, in the axis of the uprights.
- Material: galvanised cast steel.
- Maximum load: 340 kg per eyebolt.



Supply: 4 eyebolts.

Reference

NSYSFEB



Lifting brackets

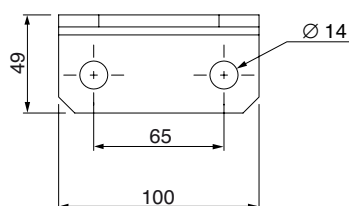
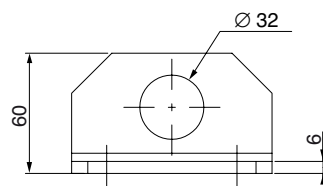
- Set of lifting and transport brackets, fixed to the structure between two coupled enclosures, in the axis of the uprights.
- Material: zinc-coated steel.
- Maximum load: see lifting and transport table, page 3/19.



Supply: 4 brackets and fixing elements (M12 screws).

Reference

NSYSFELB



Composition accessories

Lifting systems



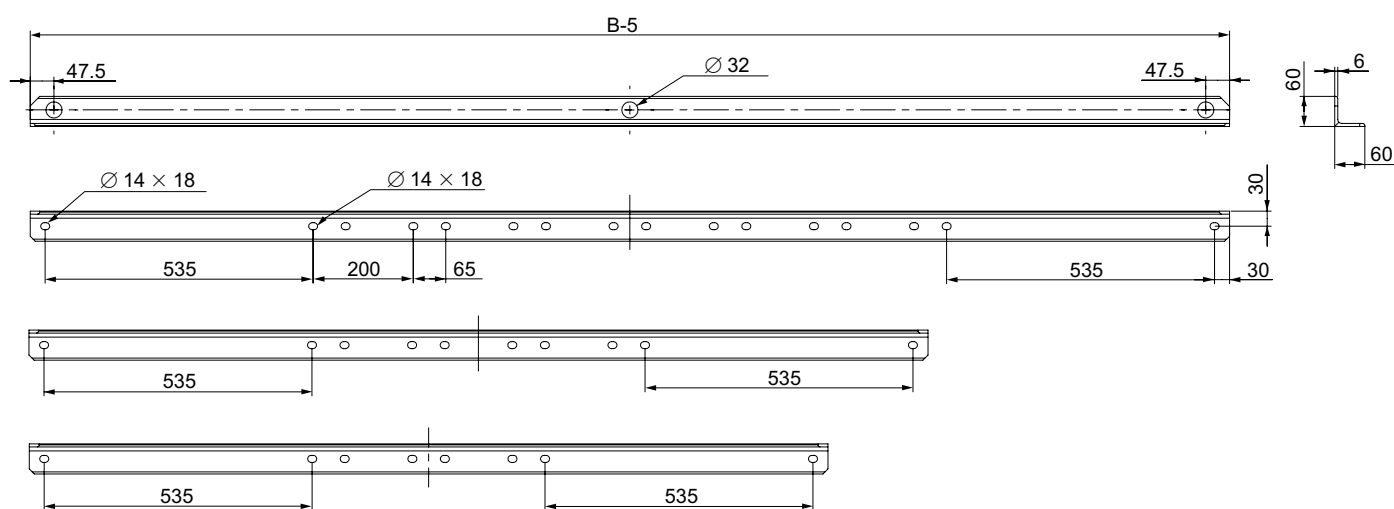
Lifting bar

- Set of bars for lifting and transporting enclosures suites. They are fixed to the structure of the enclosure, in the axis of the uprights.
- Material: zinc-coated steel.
- Maximum load: see lifting and transport table.



Supply: 2 lifting bars and fixing elements (M12 screws).

Length (mm) (B)	Reference
1600	NSYSFTB16
1800	NSYSFTB18
2400	NSYSFTB24



Lifting instructions

Eyebolts					Lifting brackets		
Angle	P < (kg)	P < (kg)	P < (kg)	P < (kg)	P < (kg)	P < (kg)	P < (kg)
45°	1160	580	-	1100	2800	-	-
60°	830	415	-	-	2800	-	1100
90°	480	240	1360	-	1100	3000	-
120°	257	-	-	-	-	-	-

Composition accessories

Door and door accessories

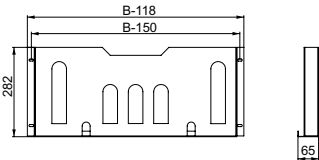


Metal document pocket

- Direct mounting on the reinforcement frame of the door.
- Adjustable depth with a pitch of 25 mm.
- Material: steel.
- Finish: painted with polyester-epoxy resin, RAL 7035 grey.

 Supply: one metal document pocket and fixing elements.

Spacial Dimensions (mm)	Reference
Width (B)	
600	NSYSDP6M
800	NSYSDP8M

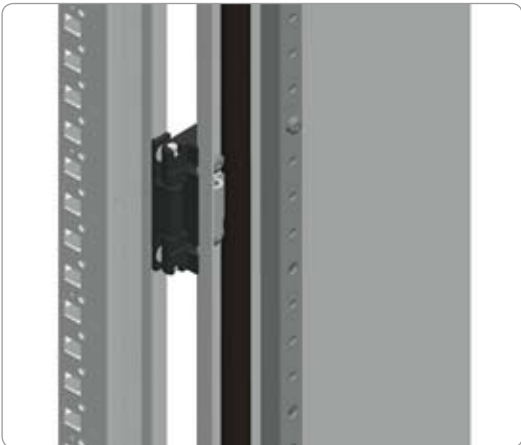
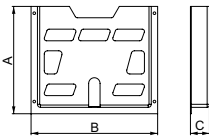


Plastic document pocket

- Attachment by adhesive tape.
- Formats: A5 and A4.
- Material: polystyrene (PS), RAL 7035 grey.

 Supply: one plastic document pocket.

Document format (mm)	A	B	C	Reference
A5	174	188	22	NSYDPA5
A4	234	278	22	NSYDPA4
A4	234	278	40	NSYDPA44
A3	258	476	35	NSYDPA3



180° hinge

- Hinge with opening of 180°.
- Intended to replace the 120° hinges installed as standard.
- They are compatible with the transparent door and can be installed even with enclosure suites.
- Material: aluminium and zamak.
- Maximum load: 60 kg on the door.
- Finish: painted RAL 9005 black.

 Supply: 4 hinges, template for making the drill holes and fixing elements.

Model	Reference
RAL 9005 black	NSYSH180

Composition accessories

Locking system



> **Advantage:**
Easy opening.

Handle for shape inserts and cylindrical barrels

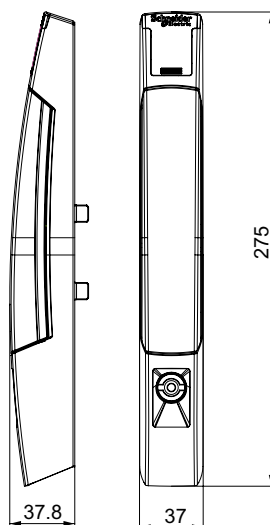
- Handle lock allowing the door to be opened: with a single movement.
- Standard handle for the entire range of **Spacial SF** and **Spacial SM** enclosures; does not include the insert when ordered as an accessory.
- Easy and quick installation of inserts without needing screws.
- Allows the installation of shape inserts and cylindrical barrels.
- The symmetric design of the locking system makes it easy to change the opening direction of the door, right/left. Easy fixing by means of screws.
- Space reserved for enclosure identification, 21 x 27 mm, protected by a label frame.
- Material:
 - Handle: polyamide 6 with 30% fibreglass, RAL 9005 black.
 - Label frame: polycarbonate.
- UV resistant.
- Fire resistance: 650 °C.
- Resistance to external mechanical impacts: IK10.



Supply: standard handle and fixing elements (insert not included).

Reference

NSYSFHS1



Composition accessories

Locking system

Shape inserts and cylindrical barrels

Shape inserts		Reference
	6-mm square insert	NSYINS61
	Female 6-mm square insert	NSYINS6G1
	7-mm square insert	NSYINS71
	8-mm square insert	NSYINS81
	Female 8-mm square insert	NSYINS8G1
	8-mm square insert with slot	NSYINS8H1
	6.5-mm triangular insert	NSYINT61
	7-mm triangular insert	NSYINT71
	8-mm triangular insert	NSYINT81
	9-mm triangular insert	NSYINT91
	10-mm triangular insert	NSYINT101
	10-mm keyless hexagonal insert	NSYINH31
	3-mm double-bar insert	NSYINDB31
	5-mm double-bar insert	NSYINDB51
	Daimler Benz insert	NSYINBENZ1
	Fiat insert	NSYINFIAT1
	Keyless USA slot insert	NSYINUSA1
	Keyless 2 x 4 slot insert	NSYIN241
	Crown insert	NSYINCW1

Push button		Reference
	Push button	NSYINPULS1

➤ For installing shape inserts and cylindrical barrels in handle types DIN, KABA and ASSA (ref. **NSYSFHD2**), use adapter (ref. **NSYLADP**).

Cylindrical barrels		Reference
	405E key lock	NSYIN405E1
	421E key lock	NSYIN421E1
	455 key lock	NSYIN4551
	1242E key lock	NSYIN1242E1
	1332E key lock	NSYIN1332E1
	2124E key lock	NSYIN2124E1
	2131A key lock	NSYIN2131A1
	2132A key lock	NSYIN2132A1
	2331A key lock	NSYIN2331A1
	2433A key lock	NSYIN2433A1
	2452E key lock	NSYIN2452E1
	3113A key lock	NSYIN3113A1
	3122E key lock	NSYIN3122E1
	3123A key lock	NSYIN3123A1
	3133A key lock	NSYIN3133A1
	3422E key lock	NSYIN3422E1
	3432E key lock	NSYIN3432E1
	EDF1300 key lock	NSYINF1301
	EDF1400 key lock	NSYINF1401
	Michelin 8079 keyless lock	NSYINICHEL8791
	Michelin 8133 keyless lock	NSYINICHEL8131
	Michelin 8376 keyless lock	NSYINICHEL8371
	E1 keyless lock	NSYINE11

Composition accessories

Locking system

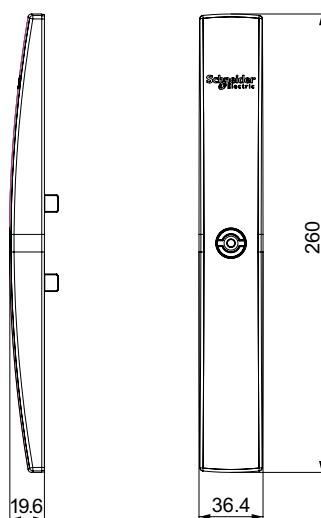


Flat escutcheon lock

- Optional flat escutcheon lock. Replaces the handle lock.
- The symmetric design of the locking system makes it easy to change the opening direction of the door, right/left. Mounting on the door by means of screws.
- Possibility of changing the turning direction of the insert.
- Material: polyamide 6 with 30% fibreglass, RAL 9005 black.
- UV resistant.
- Fire resistance: 650 °C.
- Resistance to external mechanical impacts: IK10.



Supply: flat lock, shape insert, key and fixing elements.



3



Padlock locking

- Padlock locking system, for installation in all the handles of the **Spacial SF** and **Spacial SM** enclosures.
- Bolt with 7.5-mm drill hole.



Supply: one cut-out handle, bolt for padlock and bolt fixing screw.

Reference

NSYBLKH123

4

Stainless-steel enclosures



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304L / 316L stainless-steel wall-mounting enclosure

Introduction



Technical features

These enclosures have been specially designed for the chemical, oil and food and beverage industries, among others, which are particularly demanding in terms of hygiene and resistance to corrosion.

- Two types of materials, with Scotch-Brite® brushed finish, are available:
 - AISI 304L,
 - AISI 316L.
- Two wall-mounting enclosure versions are available:
 - With plain door,
 - With glazed door, Securit® glass, 4 mm thick.
- Protection rating of IP 66 for all single enclosures with single door and glazed door, IP 55 for the double door enclosures, according to IEC 60529.
- Resistance to external mechanical impacts:
 - IK 10 for the solid-door enclosures,
 - IK 08 for the glazed-door enclosures.
- Thickness: 1.5 mm.
- Single-piece body (cross-shaped structure). Gutter-shaped front profile.
- 4 rear studs for fixing the material.
- 2 cut-out vertical profiles on the door (from a height of 600 mm), with drill holes with a diameter of 4.25 mm and a pitch of 25 mm for installing accessories.
- Door strengthening frame (from a height of 1000 mm), cross-section of 20 mm x 15 mm, with drill holes with a diameter of 5 mm and a pitch of 25 mm.
- Standard lock with 3-mm double-bar lock (chrome-plated zamak).
- 2 locking points for heights of more than 500 mm or three points for two-door enclosures.
- Stainless-steel hinges screwed to the body of the enclosure. They make it easier to remove and invert the door. Opening angle: 120°.
- Polyurethane gasket.
- M6 x 16 screws on the door and on the body, allowing equipotential connection between the earth connections (on request).
- 4 holes for fixing to the wall directly or with the help of mounting lugs (on request), blocked by sealing plugs.

Certifications

- IEC 62208.
- UL 508A.
- CAN/CSA 22.

Stainless-steel wall-mounting enclosures

Selection guide



External dimensions (mm)			No. of locks	No. of doors	304L stainless steel		316L stainless steel	304L stainless-steel canopy	Plain mounting plate***
Height	Width	Depth			Plain door	Glazed door**	Plain door		
300	200	150	1	1	NSYS3X3215	-	NSYS3X3215H	NSYTX2015	NSYMM32
300	250	150	1	1	NSYS3X302515	-	NSYS3X302515H	NSYTX2515	NSYMM3025
300	300	150	1	1	NSYS3X3315	-	NSYS3X3315H	NSYTX3015	NSYMM33
400	300	150	1	1	NSYS3X4315	-	NSYS3X4315H	NSYTX3015	NSYMM43
400	300	200	1	1	NSYS3X4320	NSYS3X4320T	NSYS3X4320H	NSYTX3020	NSYMM43
400	400	200	1	1	NSYS3X4420	-	NSYS3X4420H	NSYTX4020	NSYMM44
400	600	200	1	1	NSYS3X4620	-	NSYS3X4620H	NSYTX6020	NSYMM46
500	400	200	2	1	NSYS3X5420	NSYS3X5420T	NSYS3X5420H	NSYTX4020	NSYMM54
600	400	200	2	1	NSYS3X6420	NSYS3X6420T	NSYS3X6420H	NSYTX4020	NSYMM64
600	600	250	2	1	NSYS3X6625	-	NSYS3X6625H	NSYTX6025	NSYMM66
700	500	250	2	1	NSYS3X7525	NSYS3X7525T	NSYS3X7525H	NSYTX5025	NSYMM75
800	600	250	2	1	NSYS3X8625	NSYS3X8625T	NSYS3X8625H	NSYTX6025	NSYMM86
800	800	300	2	1	NSYS3X8830	-	NSYS3X8830H	NSYTX8030	NSYMM88
1000	800	300	2	1	NSYS3X10830	NSYS3X10830T	NSYS3X10830H	NSYTX8030	NSYMM108
1000	1000	300	*	2	NSYS3X101030	-	NSYS3X101030H	NSYTX10030	NSYMM1010
1200	800	300	2	1	NSYS3X12830	-	NSYS3X12830H	NSYTX8030	NSYMM128
1200	1000	300	*	2	NSYS3X121030	-	NSYS3X121030H	NSYTX10030	NSYMM1210

* Three-point closure system.

** The glazed door has no reinforcement.

Stainless-steel wall-mounting enclosures

Dimensions

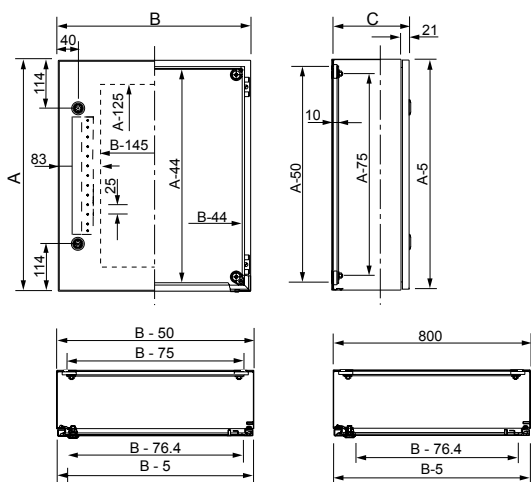


FIG. 2

External dimensions (mm)			Fig.
A	B	C	
300	200	150	1
300	250	150	1
300	300	150	1
400	300	150	1
400	300	200	1
400	400	200	1
400	600	200	1
500	400	200	2*
600	400	200	2
600	600	250	2
700	500	250	2
800	600	250	2
800	800	300	2
1000	800	300	3
1000	1000	300	4
1200	800	300	3
1200	1000	300	4

*Without door reinforcement.

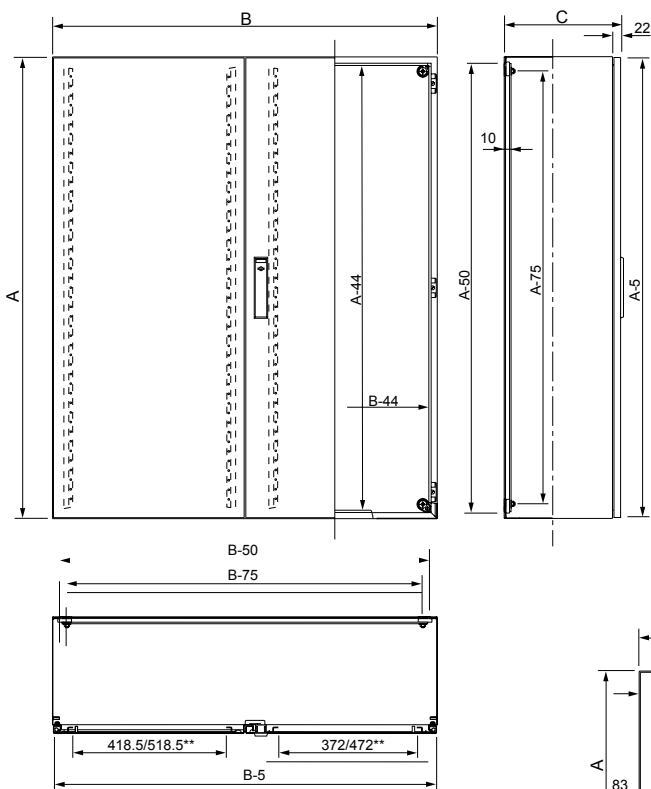


FIG. 4

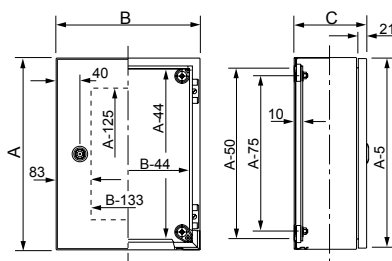


FIG. 1

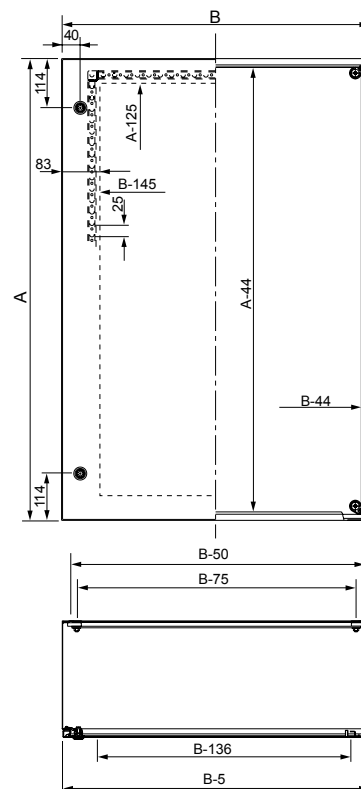


FIG. 3

**For glazed door.

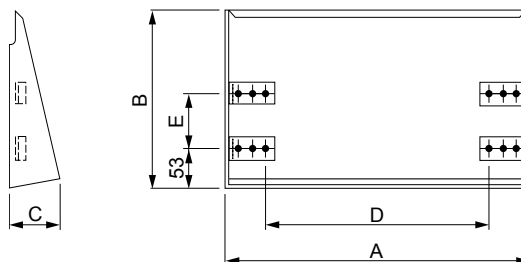


Configured

**Optional in factory assembly:
contact us on 0870 608 8 608**

Canopy

- Direct fixing to the body of the enclosure.
- 304L stainless-steel sheet, 1.5 mm thick, Scotch-Brite® brushed finish.
- Delivered with the fixings required for installation.
- Other finishes, other stainless steels: contact us.



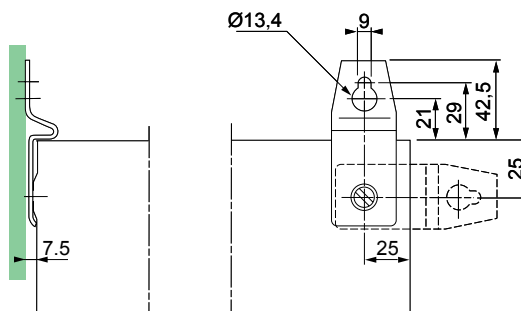
For wall-mounting enclosures (mm)		Dimensions (mm)					Canopy reference
Width	Depth	A	B	C	D	E	
200	150	205	183	51	120	-	NSYTX2015
250	150	205	183	51	120	-	NSYTX2515
300	150	305	183	51	220	-	NSYTX3015
300	200	305	233	51	220	70	NSYTX3020
400	200	405	233	70	320	70	NSYTX4020
500	250	505	283	70	420	120	NSYTX5025
600	200	605	233	70	520	70	NSYTX6020
600	250	605	283	70	520	120	NSYTX6025
800	300	805	333	70	720	170	NSYTX8030
1000	300	1005	333	70	920	170	NSYTX10030



Wall-fixing lugs

- Set of four 304 or 316L stainless-steel wall-fixing lugs.
- Mounting of the wall-fixing lugs in horizontal or vertical position.
- Fixing from the outside.
- Maximum load: horizontal 180 kg and vertical 350 kg.

Stainless-steel type	Reference
304	NSYPFCX
316L	NSYPFC2X



Composition accessories

Locking system

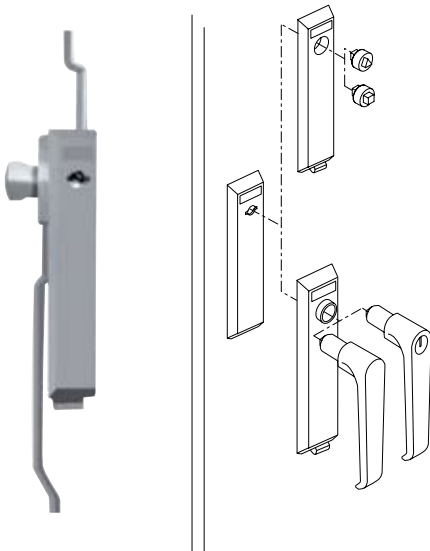
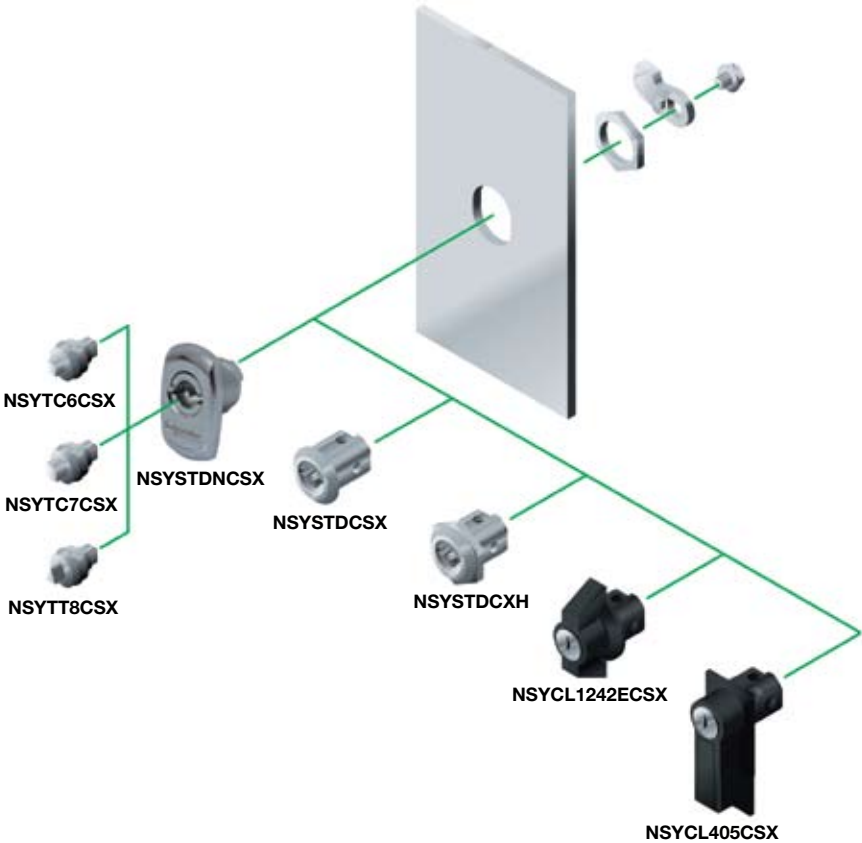
Escutcheon

- Wall-mounting enclosure supplied with 3-mm double-bar chrome-plated zamak lock.
- Protection rating: IP 66.

Standard escutcheon
3-mm double-bar lock (standard - chrome-plated zamak)



NSYSTDNCSX



For the closures of double-door enclosures,
contact us on 0870 608 8 608

Description	Material	Reference
Standard 3-mm double-bar lock	chrome-plated zamak	NSYSTDNCSX
Round 3-mm double-bar lock (spare)	chrome-plated zamak	NSYSTDCSX
Round 3-mm double-bar lock	100 % stainless steel	NSYSTDCXH
8-mm triangular insert	100 % stainless steel	NSYTT8CSX
7-mm square insert	100 % stainless steel	NSYTC7CSX
6-mm square insert	100 % stainless steel	NSYTC6CSX
1242E handle lock	Chrome-plated	NSYCL1242ECSX
405 handle lock	Polyamide	NSYCL405CSX



The compulsory wall-fixing lugs:
 – 304 stainless steel: reference **NSYPFCX**.
 – 316L stainless steel: reference **NSYPFC2X**.

Technical characteristics

The Spacial ATEX range of stainless-steel enclosures is certified by the LOM with no. **LOM 08ATEX3028U** (component certificate).

The enclosures have the following marks:
 Ⓔ II 2 GD Ex e II Ex tD A21 IP66 according to ATEX directive 94/9/EC and standards EN 60079-0 (2004), EN 60079-7 (2006), EN 61241-0 (2005) and EN 61241-1 (2004).

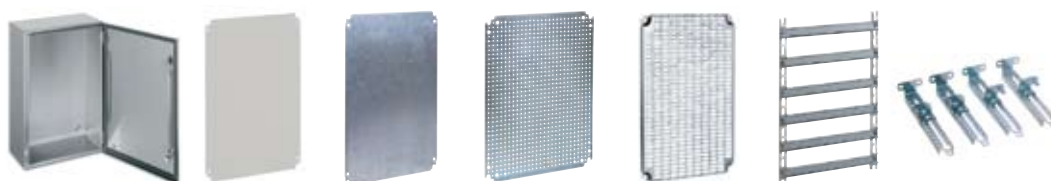


Download our ATEX certificates and product sheets over the internet.

- Stainless-steel material: AISI 304L with Scotch-Brite® brushed finish.
- Plain door.
- Protection rating of IP66 according to IEC 60529.
- Resistance to external mechanical impacts of IK10 according to IEC 62262.
- Single-piece body (cross-shaped structure). Gutter-shaped front profile.
- 2 perforated vertical profiles on the door (from a height of 600 mm), with drill holes with a diameter of 4.25 mm and a pitch of 25 mm for installing accessories.
- Door reinforcement frame (from a height of 1000 mm), cross-section of 20 mm x 15 mm, with drill holes with a diameter of 5 mm and a pitch of 25 mm.
- Standard closure with 3-mm double-bar lock (chrome-plated zamak).
- 2 closure points for heights of more than 500 mm.
- Stainless-steel hinges screwed onto the body of the enclosure, making it easier to remove and invert the door. Opening angle: 120°.
- Polyurethane gasket.
- M6 x 16 screws on the door and on the body, allowing equipotential connection.
- The wall-fixing lugs are compulsory; they are blocked by sealing plugs. The 4 fixing holes are blocked by 4 crimped blind nuts.
- One crimped M6 blind nut for an external earth connection (braid not supplied).
- Authorised ambient temperature limits:
 –25 °C < Ta < +60 °C

4

Selection guide for wall-mounting enclosures and main accessories



External dimensions (mm)			Enclosure reference	Mounting plate reference				DIN rail chassis	Step slides
Height	Width	Depth		Plain	Silkscreened	Microperforated	Telequick		
300	200	150	NSYS3XEX3215	NSYMM32	-	NSYMF32	NSYMR32	-	-
400	300	200	NSYS3XEX4320	NSYMM43	NSYMS43	NSYMF43	NSYMR43	NSYMD43	NSYSDCR200
500	400	200	NSYS3XEX5420	NSYMM54	NSYMS54	NSYMF54	NSYMR54	NSYMD54	NSYSDCR200
600	400	200	NSYS3XEX6420	NSYMM64	NSYMS64	NSYMF64	NSYMR64	NSYMD64	NSYSDCR200
700	500	250	NSYS3XEX7525	NSYMM75	NSYMS75	NSYMF75	NSYMR75	NSYMD75	NSYSDCR250
800	600	250	NSYS3XEX8625	NSYMM86	NSYMS86	NSYMF86	NSYMR86	NSYMD86	NSYSDCR250
1000	800	300	NSYS3XEX10830	NSYMM108	-	NSYMF108	NSYMR108	NSYMD108	NSYSDCR300



The accessories of the Spacial S3X enclosure can be installed in the Spacial S3XEX enclosure. However, plastic accessories should not be used, due to the risk of a static charge.

External dimensions (mm)			
Height (A)	Width (B)	Depth (C)	Fig.
300	200	150	1
400	300	200	1
500	400	200	2*
600	400	200	2
700	500	250	2
800	600	250	2
1000	800	300	3

*Without door reinforcement.

Fig. 1

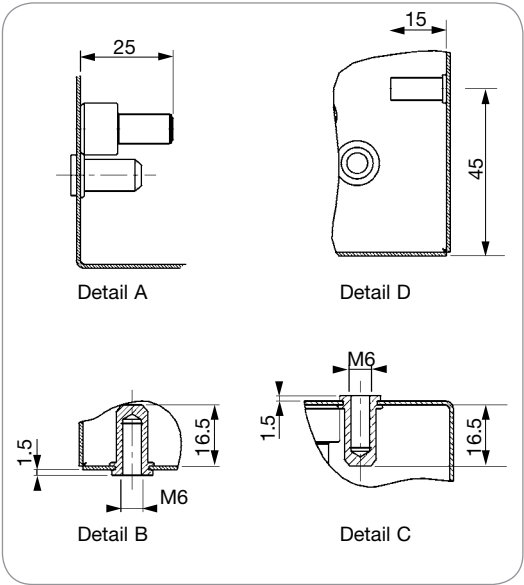
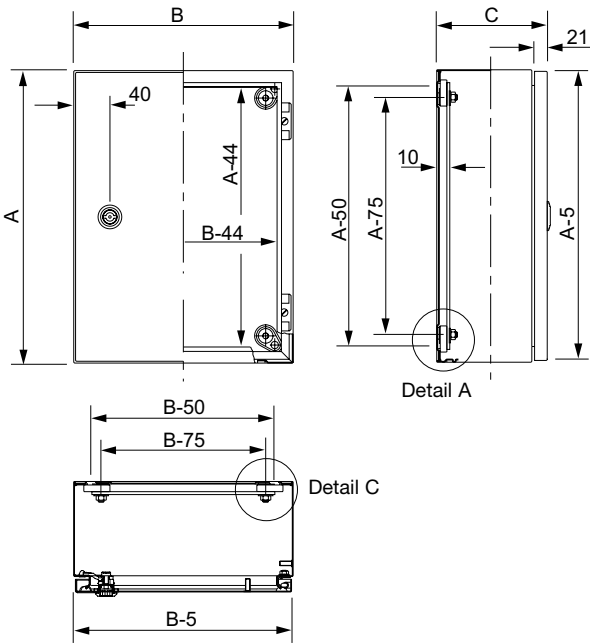


Fig. 2

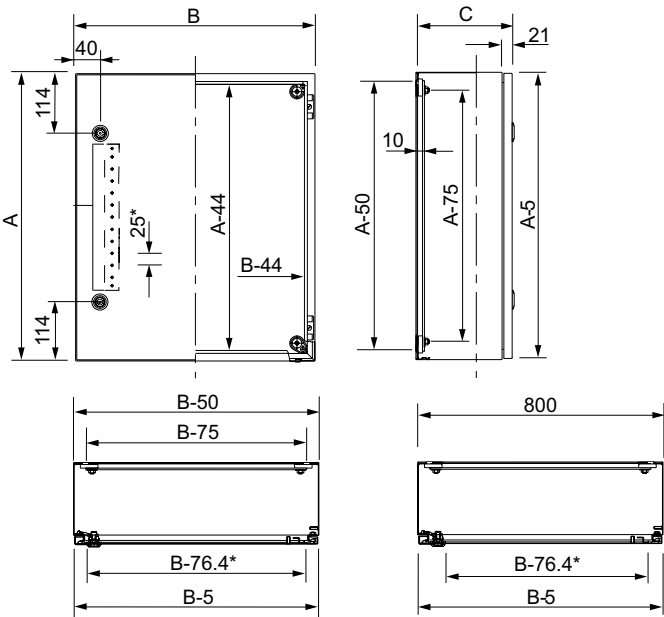
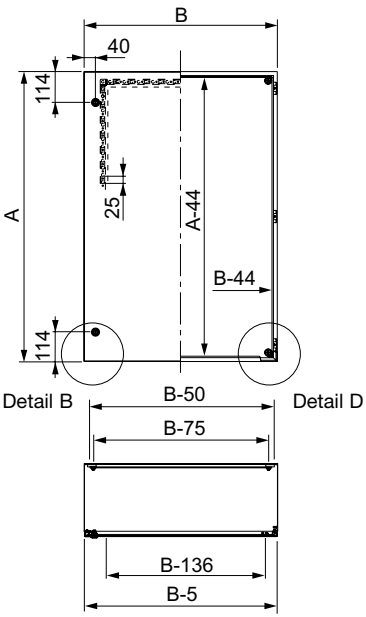


Fig. 3



*Door reinforcement.

Stainless-steel monobloc floor-standing enclosures

Introduction



Technical characteristics

These enclosures have been specially designed for the chemical, oil and food and beverage industries, among others, which are particularly demanding in terms of hygiene and resistance to corrosion.

- Stainless-steel sheet floor-standing enclosure, 1.5 mm thick, folded and welded.
 - Two types of materials, with Scotch-Brite® brushed finish, are available:
 - 304L stainless steel,
 - 316L stainless steel.
 - Micro-beaded and painted finishes (on request).
 - Protection rating: IP 55 according to IEC 60529.
 - 1 Nema door, type 1, 2, 3, 3R, 4, 4X, 5, 12, 12K, 13.
 - 2 Nema doors, type 1, 2, 12K.
 - Resistance to external mechanical impacts: IK 10 according to IEC 62262.
 - Plain front door. Opening to left or right to 120° with reinforcement frame. Installed on 3 stainless-steel hinges. 3-point closure with handle made from painted zamak, 5-mm double bar. Acceptable load of 50 kg.
 - Delivered with 4 mounting plate-supporting brackets.
 - Single-piece cable-gland plate delivered.
 - 316L stainless-steel plinths, optional heights of 100 and 200 mm.
 - Optional stainless-steel canopies.
 - Optional eyebolts.
- Maximum load: 830 kg when slinging at 60°.

Certifications

- IEC 62208.
- UL 508.
- CAN/C SA 22.



External dimensions (mm)			Number of front doors	Stainless-steel floor-standing enclosure 304L / 316L*	Brushed 316L stainless-steel plinth height 100 mm **		Brushed 316L stainless-steel plinth height 200 mm **		Plain mounting plate ***
Height	Width	Depth			Front + corner	Side	Front + corner	Side	
1400	1000	300	2	NSYSMX141030	NSYSPXF10100H	NSYSPXS3100H	NSYSPXF10200H	2 x NSYSPXS3100H	NSYMP1410
1600	800	400	1	NSYSMX16840	NSYSPXF8100H	NSYSPXS4100H	NSYSPXF8200H	2 x NSYSPXS4100H	NSYMP168
1800	600	400	1	NSYSMX18640	NSYSPXF6100H	NSYSPXS4100H	NSYSPXF6200H	2 x NSYSPXS4100H	NSYMP186
1800	800	400	1	NSYSMX18840*	NSYSPXF8100H	NSYSPXS4100H	NSYSPXF8200H	2 x NSYSPXS4100H	NSYMP188
1800	1200	400	2	NSYSMX181240*	NSYSPXF12100H	NSYSPXS4100H	NSYSPXF12200H	2 x NSYSPXS4100H	NSYMP1812
1800	1600	400	2	NSYSMX181640*	NSYSPXF16100H	NSYSPXS4100H	NSYSPXF16200H	2 x NSYSPXS4100H	NSYMP1813
2000	800	500	1	NSYSMX20850	NSYSPXF8100H	NSYSPXS5100H	NSYSPXF8200H	2 x NSYSPXS5100H	NSYMP208
2000	1000	400	2	NSYSMX201040*	NSYSPXF10100H	NSYSPXS4100H	NSYSPXF10200H	2 x NSYSPXS4100H	NSYMP2010
2000	1200	500	2	NSYSMX201250*	NSYSPXF12100H	NSYSPXS5100H	NSYSPXF12200H	2 x NSYSPXS5100H	NSYMP2012
2000	1600	600	2	NSYSMX201660*	NSYSPXF16100H	NSYSPXS6100H	NSYSPXF16200H	2 x NSYSPXS6100H	NSYMP2016

* For version in AISI 316L stainless steel, add the letter H to the end of the reference. Example NSYSMX18840H

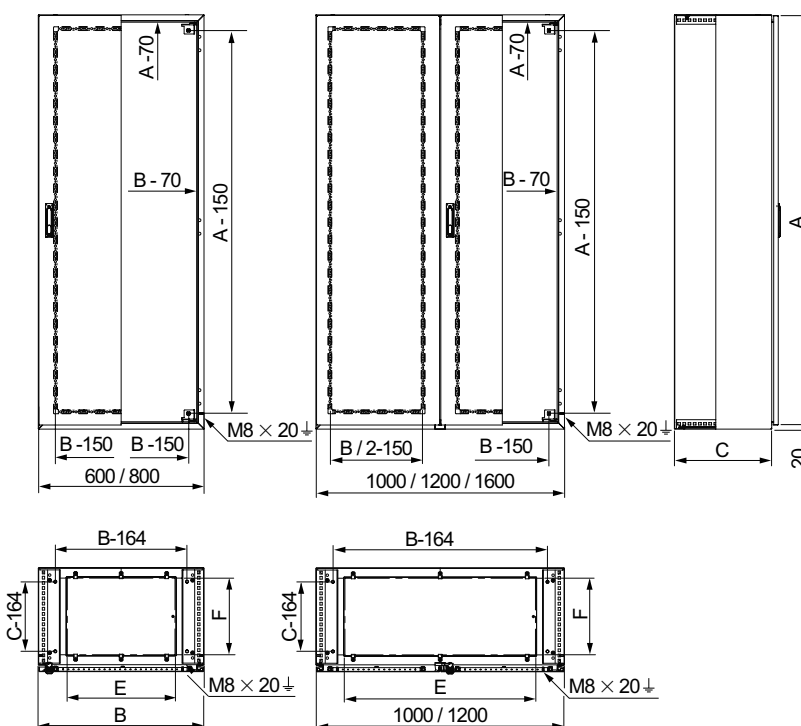
** See section on stainless-steel composition accessories.

Stainless-steel monobloc floor-standing enclosures

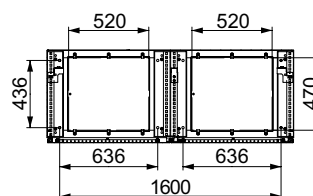
Dimensions

304L and 316L stainless-steel floor-standing enclosures:

Floor-standing enclosure dimensions (mm)			No. of cable-gland plates	Dimensions (mm)	
Height (A)	Width (B)	Depth (C)		E	F
1400	1000	300	1	720	270
1600	800	400	1	520	270
1800	600	400	1	520	270
1800	800	400	1	520	270
1800	1200	400	1	920	270
1800	1600	400	2	1320	270
2000	800	500	1	520	370
2000	1000	400	1	720	270
2000	1200	500	1	920	370
2000	1600	600	2	1320	470



Enclosure width of 1000 and 1200 mm.



Enclosure width of 1600 mm.

Stainless-steel suitable enclosures

Introduction



Technical characteristics

These enclosures have been specially designed for the chemical, oil and food and beverage industries, among others, which are particularly demanding in terms of hygiene and resistance to corrosion.

- Enclosure made up of a structure, consisting of top and bottom, rear panel and vertical profiles.
- Made from AISI 304L stainless steel with Scotch-Brite® brushed finish.
- Available on request:
 - 316L version.
 - Micro-beaded and painted finish.
- Protection rating of IP55 according to standard IEC 60529.
- High resistance to mechanical impacts: IK 10 according to standard IEC 62262.
- Plain front door. Opening to left or right to 120° with reinforcement frame installed.
 - 3 stainless-steel hinges.
 - 3-point closure with handle made from painted zamak, 5-mm double bar.
 - Acceptable load of 50 kg.
- Single-piece cable-gland plate delivered.
- Optional 316L stainless-steel plinths, heights of 100 and 200 mm.
- Optional stainless-steel canopies.
- Optional eyebolt.
- Maximum load: 830 kg when slinging at 60°.

Basic composition

- Structure consisting of top and bottom, rear panel and vertical profiles.
- Single front door, with reinforcement frame.
- Sash-bolt handle made from painted zamak, 3-mm double bar.
- 4 mounting plate-supporting brackets.
- Single-piece cable-gland plate with sealing gasket.

Note: the panels and plinths can be installed and the enclosures can be assembled (on request).

Spacial SFX suitable enclosures



External dimensions (mm)			Number of front doors	References in 304L stainless steel (1)			Brushed 316L stainless-steel plinth height 100 mm (2)		Brushed 316L stainless-steel plinth height 200 mm (2)		Plain mounting plate (3)
Height (A)	Width (B)	Depth (C)		Suitable enclosure	Set of 2 side panels	Coupling kit	Front + corner	Side	Front + corner	Side	
1800	600	400	1	NSYSFX18640	NSY2SPX184	NSYSFBK19	NSYSPXF6100H	NSYSPXS4100H	NSYSPXF6200H	2 x NSYSPXS4100H	NSYMP186
1800	800	400	1	NSYSFX18840	NSY2SPX184	NSYSFBK19	NSYSPXF8100H	NSYSPXS4100H	NSYSPXF8200H	2 x NSYSPXS4100H	NSYMP188
1800	1200	400	2	NSYSFX181240	NSY2SPX184	NSYSFBK19	NSYSPXF12100H	NSYSPXS4100H	NSYSPXF12200H	2 x NSYSPXS4100H	NSYMP1812
2000	600	500	1	NSYSFX20650	NSY2SPX205	NSYSFBK19	NSYSPXF6100H	NSYSPXS5100H	NSYSPXF6200H	2 x NSYSPXS5100H	NSYMP206
2000	800	400	1	NSYSFX20840	NSY2SPX204	NSYSFBK19	NSYSPXF8100H	NSYSPXS4100H	NSYSPXF8200H	2 x NSYSPXS4100H	NSYMP208
2000	800	600	1	NSYSFX20860	NSY2SPX206	NSYSFBK19	NSYSPXF8100H	NSYSPXS6100H	NSYSPXF8200H	2 x NSYSPXS6100H	NSYMP208
2000	1000	600	2	NSYSFX201060	NSY2SPX206	NSYSFBK19	NSYSPXF10100H	NSYSPXS6100H	NSYSPXF10200H	2 x NSYSPXS6100H	NSYMP2010
2000	1200	600	2	NSYSFX201260	NSY2SPX206	NSYSFBK19	NSYSPXF12100H	NSYSPXS6100H	NSYSPXF12200H	2 x NSYSPXS6100H	NSYMP2012

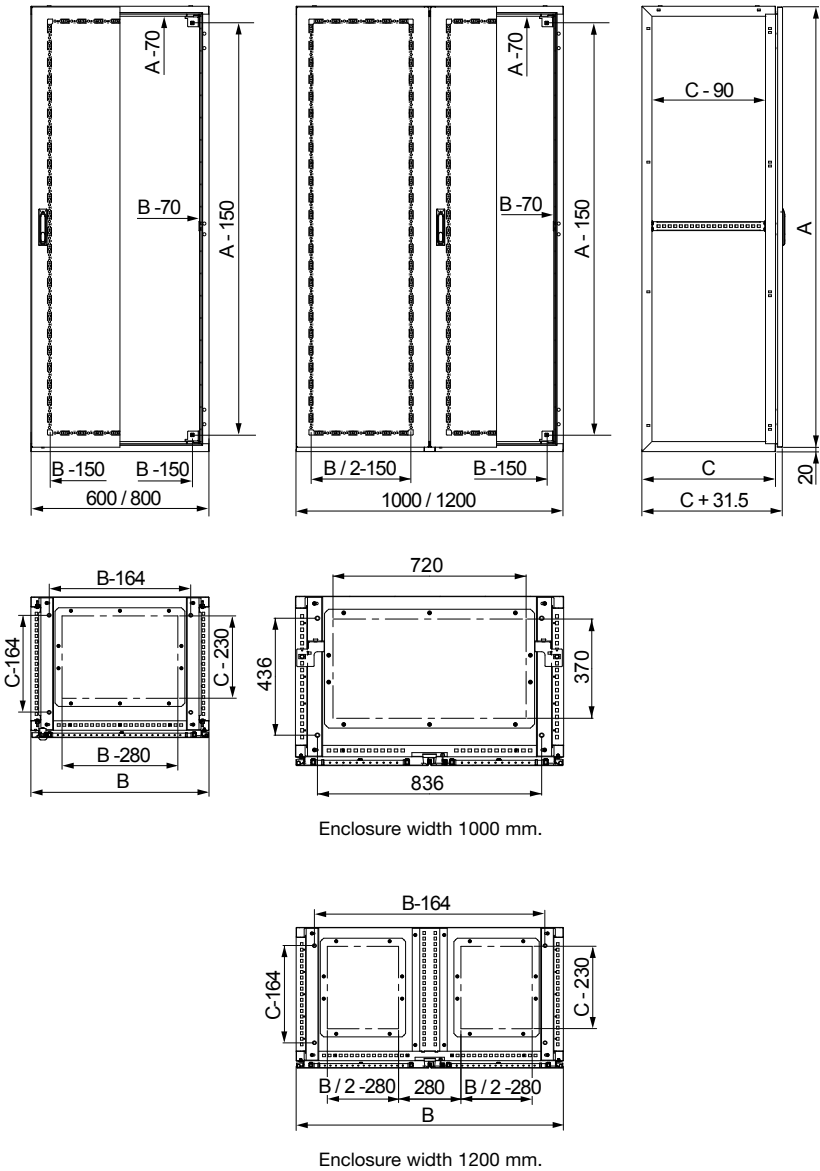
(1) 316L stainless-steel enclosures on request.

(2) See section on stainless-steel composition accessories on page 4/13.

Stainless-steel suitable enclosures

Dimensions

External dimensions (mm)			Number of front doors
Height (A)	Width (B)	Depth (C)	
1800	600	400	1
1800	800	400	1
1800	1200	400	2
2000	600	500	1
2000	800	400	1
2000	800	600	1
2000	1000	600	2
2000	1200	600	2





Side panels for stainless-steel suitable enclosure for SFX

- Side panels including a polyurethane sealing gasket.
- Their special design guarantees the protection of the door gasket.

For suitable enclosure (mm)		Reference
Height	Depth	
1800	400	NSY2SPX184
2000	400	NSY2SPX204
2000	500	NSY2SPX205
2000	600	NSY2SPX206



Coupling kit for SFX

- Used for joining enclosures side by side.
- Fixing from the inside of the enclosures.
- Degree of protection: IP55.
- Material:
 - Flat connectors and brackets: zinc-coated steel.
 - Sealing gasket: EPDM.

Reference

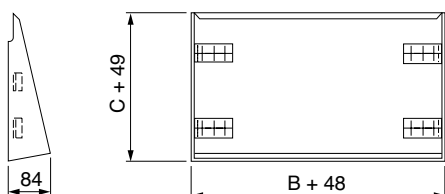
NSYSFBK19



Top-mounting accessories Canopy for SMX and SFX

- Guarantees very high protection of the enclosure when used outdoors.
- It is fixed in the same holes as the eyebolt. Delivered with fixings.
- Material: 304L stainless-steel sheet, 1.5 mm thick, Scotch-Brite® brushed finish.
- Other finishes or other types of stainless steel: contact us.

For enclosures with dimensions (mm)		Reference
Width (B)	Depth (C)	
600	400	NSYSCX6040
600	500	NSYSCX6050
800	400	NSYSCX8040
800	500	NSYSCX8050
800	600	NSYSCX8060
1000	300	NSYSCX10030
1000	400	NSYSCX10040
1000	600	NSYSCX10060
1200	400	NSYSCX12040
1200	500	NSYSCX12050
1200	600	NSYSCX12060
1600	400	NSYSCX16040
1600	600	NSYSCX16060



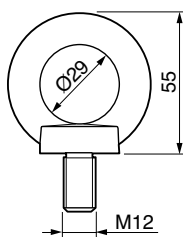


Eyebolts

- Set of four M12 eyebolts.
- Material: treated moulded steel.
- It is fixed using fixing nuts supplied with the enclosure.
- Maximum load: 830 kg when slinging at 60°.

Reference

NSYSMEB



4



Lifting bracket for stainless-steel suitable enclosure for SFX

- Set of four lifting brackets.
- Material: treated steel.
- They are fixed instead of the eyebolts on two suitable enclosures side-by-side, guaranteeing the rigidity of the enclosure when lifted.
- Maximum load: 2000 kg when slinging at 60°.

Reference

NSYPUNX



Closure option

- The enclosures are delivered as standard with handle made from painted zamak, 5 mm double bar (1242E, 405E, 455E, 6.5-mm triangle available).
- Large range of standard inserts available.

Description	Pack.	Reference
Spare handle	1	NSYMCSX
5-mm double-bar insert	1	NSYTDB5ME
6-mm square insert	1	NSYTC6ME
7-mm square insert	1	NSYTC7ME
8-mm square insert	1	NSYTC8ME
6.5-mm triangular insert	1	NSYTT6ME
8-mm triangular insert	1	NSYTT8ME
Padlocking device	1	NSYBCME

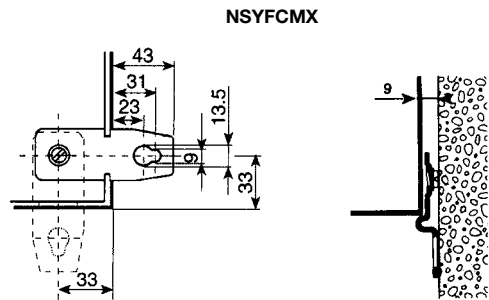
Stainless-steel composition accessories



Wall-fixing lugs for SMX

- Set of four 304 stainless-steel wall-fixing lugs.
- Mounting of the wall-fixing lugs in horizontal or vertical position.
- Fixing from the outside.
- Maximum load: horizontal 180 kg and vertical 350 kg.

Reference
NSYFCMX



Hygienic feet

- Set of 4 adjustable feet.
- Made from 316L stainless steel, making it easier to clean under the enclosure.
- Recommended for applications that require special hygiene conditions.
- Available in heights of 100 or 200 mm.
- Maximum admissible load per foot: 100 kg.

Height (mm)	Reference
100	NSYPHX100
200	NSYPHX200

5

Insulating enclosures



Thalassa PLS Insulating modular boxes

Selection guide	5/5
Dimensions	5/6
Accessories	5/7



Thalassa PLM Wall-mounting in polyester

Selection guide	5/9
Dimensions	5/10
Accessories	5/11



Thalassa PLA Floor-standing in polyester

Selection guide	5/17
Dimensions	5/19
Accessories	5/21



Thalassa PLAT Ventilated canopy



Thalassa PLAZ Plinth-type open bottom



Thalassa PLAZT Plinth-type open bottom and ventilated canopy

Polyester enclosures

Our solutions



Thalassa PLS boxes

- A range of insulating modular boxes for creating assemblies that separate functions and provide easy visibility thanks to their transparent covers.
- 14 box sizes from 270 x 180 x 180 mm to 720 x 540 x 230 mm.
- Accessories for power, automatism and modular applications.

5



Thalassa PLM wall-mounting enclosures

- ABS/PC or polyester monobloc enclosure, IP 66, plain and transparent doors with built-in top and bottom canopies allowing the enclosures to be inverted.
- 8 sizes from 310 x 215 x 160 mm to 1056 x 852 x 350 mm.
- Large range of accessories (common with the Spacial 3D universal enclosure) for power, automatism and modular applications.



Thalassa PLA floor-standing enclosure

- Modular design, made from polyester, combining:
 - 40 sizes.
 - 4 versions available, from completely sealed (IP 65) to self-ventilated with canopy and/or open bottom (IP 44 or 54).
 - Plain, glazed or anti-posting door.
- The large range of accessories allows it to adapt to all your needs:
 - Power distribution.
 - Automatism.
 - Modular.
 - 19".



Thalassa PLD floor-standing enclosure

- Mainly designed for Low Voltage power distribution, they have inserts for installing busbars.

For more information, please contact us on 0870 608 8 608



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 lids available according to the sizes:
 - Standard lid, made from transparent polycarbonate with neoprene seal, 45 mm high, or 95 mm high (final index A) according to the sizes.
 - Opaque polycarbonate lid (index C), with neoprene gasket, 45 mm high, or 95 mm high (final index A) according to the sizes.
 - Polyester lid (index P) with PUR seal, 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 lids 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 lids).
- 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

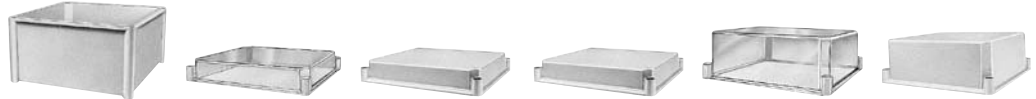


Dimensions (mm)			Cover boxes				
Height	Width	Depth	Transparent	Opaque	Polyester	Transparent in batches	Supply
180	270	180	NSYPLS1827	NSYPLSC1827	NSYPLSP1827	NSYPLS1827L	56
270	270	180	NSYPLS2727	NSYPLSC2727	NSYPLSP2727	NSYPLS2727L	56
270	270	230	NSYPLS2727A	NSYPLSC2727A		NSYPLS2727AL	56
270	360	180	NSYPLS2736	NSYPLSC2736	NSYPLSP2736	NSYPLS2736L	56
270	360	230	NSYPLS2736	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

IP 65 insulating modular boxes

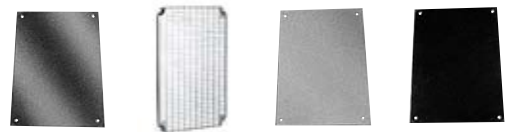
Introduction

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	720	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			
180	270	NSYDLS12	1	12
270	270	NSYDLS24	2	24
360	270	NSYDLS242	2	24
		NSYDLS36	3	36
540	270	NSYDLS48	4	48

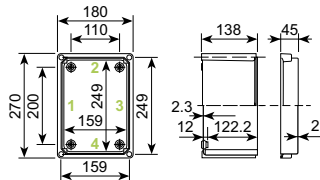
IP 65 insulating modular boxes

Dimensions

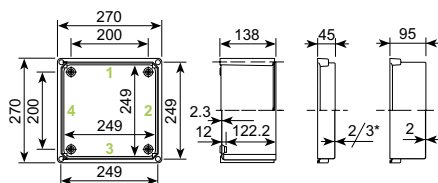
Dimensions (mm)

The surfaces are numbered to enable identification of the surfaces to be drilled in the customised offer.

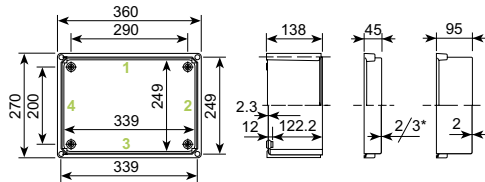
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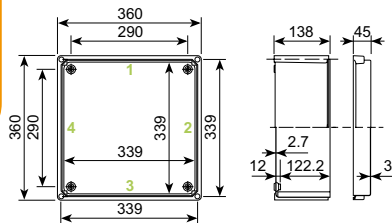
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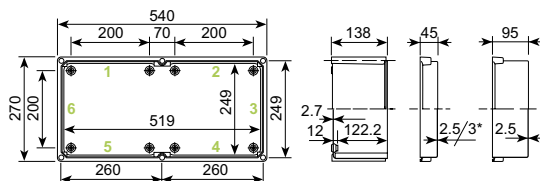
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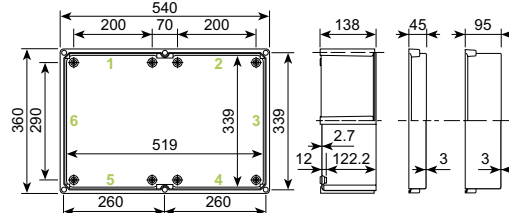
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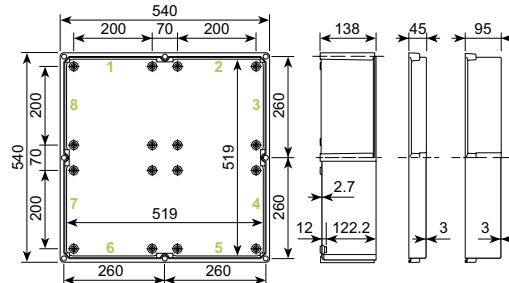
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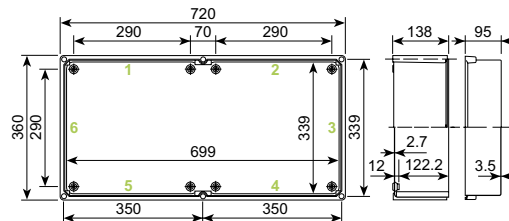
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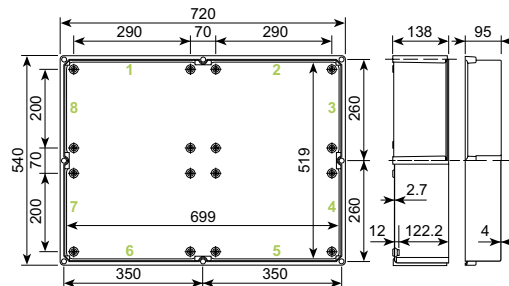
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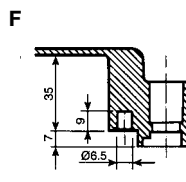
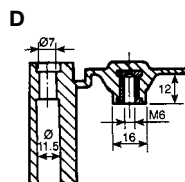
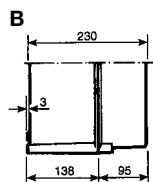
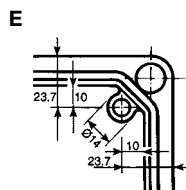
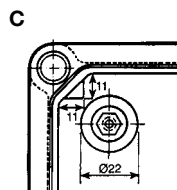
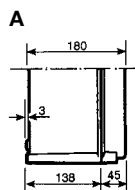
NSYPLS...3672



NSYPLS...5472



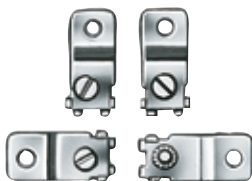
* Thickness of 3 mm for the polyester cover.



A Bottom and bottom cover.
B Bottom and top cover.
C D Internal view of the corners, details of the bosses with M6 inserts.
E F Internal view of the corners of the polyester covers with bosses for inserts ref. **NSYTEX5** for M5 screws.

IP 65 insulating modular boxes

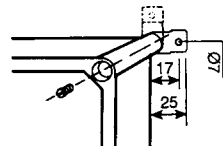
Accessories



Wall-fixing lugs

- Set of 4 lugs and fixings.
- Material: passivated zinc-coated or stainless steel.

Name	References
Steel mounting lugs	NSYPF27N
Stainless-steel mounting lugs	NSYPF27X



Hinges

- Set of 2 external hinges made from plastic or internal hinges made from brass.
- To open the door to 180°.

Name	References
External plastic hinges	NSYBE27
Internal brass hinges	NSYBL27



Coupling frames

- Coupling frame for an opening of 110 mm (for 180-mm surfaces).
- Coupling frame for an opening of 200 mm (for 270-mm surfaces).
- Coupling frame for an opening of 290 mm (for 360-mm surfaces).
- A sealing gasket is built into the frame with full opening to maintain the protection rating of IP 65.
- 200-mm or 290-mm frame with partial opening: without seal, IP 65 not maintained (to be ordered in multiples of 10).

Opening (mm)	References	
	Full-opening frame	Partial-opening frame
110	NSYUM27180	-
200	NSYUM27270	NSYUCC270
290	NSYUM27360	NSYUCC360



Side plates

- 200-mm cable-gland plate or locking plate for the 270-mm surfaces.
- 290-mm cable-gland plate or locking plate for the 360-mm surfaces.
- IP 65 maintained by a sealing gasket.

Side plates (mm)	References
200	NSYTL27270
290	NSYTL27360

IP 65 insulating modular boxes

Accessories



Closing for PLS boxes

- Set of 4, 6 or 8 screws.
- Three types of screws are available:
 - With slotted head.
 - With wings.
 - With plumbable triangular head.
- Steel plumbing accessory included as standard. Option of using plastic-coated plumbing triangles, ref. **NSYPPS27** (order in multiples of 10).

Name	Tool	References
Set of 4 slotted screws (1)	Flat-blade screwdriver	NSYTC274
Set of 6 slotted screws (1)	Flat-blade screwdriver	NSYTC276
Set of 8 slotted screws (1)	Flat-blade screwdriver	NSYTC278
Set of 4 wing screws (2)	Manual	NSYTCM274
Set of 6 wing screws (2)	Manual	NSYTCM276
Set of 8 wing screws (2)	Manual	NSYTCM278
Set of 4 triangular screws	NSYLT27	NSYTCT274
Set of 6 triangular screws		NSYTCT276
Set of 8 triangular screws		NSYTCT278

(1) Included in the standard references of boxes **NSYPLS**
(2) Included in the standard references of modular distribution boxes **NSYPLS****DLS**



Closing locks

- Option of installing a side lock, on the opposite side to where the hinges are installed.

Name	Tool	References
Double-bar side lock and handle	NSYDBP	NSYCL27M
Side lock with key 405		NSYCL27L405
Side lock with key 1242E		NSYCL27L1242E



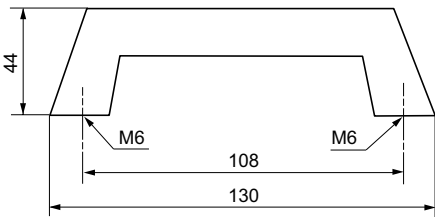
Plumbing and opening

Name	References
Plastic-coated plumbing triangle*	NSYPPS27
Triangular key for PLS	NSYLT27

*Order in multiples of 10.

Plastic carrying handle

Name	Reference
Carrying handle	NSYATM27



Polyester wall-mounting enclosures IP 66

Introduction



Technical characteristics

- Monobloc wall-mounting enclosure made from polyester reinforced with fibreglass, moulded by hot compression, RAL 7032 grey colour.
- Version with transparent tempered-glass door.
- Degree of protection IP 66 according to IEC 60529.
- Resistance to external mechanical impacts:
 - Plain door enclosures IK 10 (20 joules).
 - Glazed door enclosures IK 08 (5 joules) according to IEC 62262.
- Locking device outside the sealed area, guaranteeing the tightness of IP 66 over time.
- Locking system:
 - Enclosure height ≤ 847 mm: 2 locks with double-bar insert or 1 handle with key lock and 3-point closure.
 - Enclosure height 1056 mm: 1 lock with double-bar insert and 4-point closure.
- Door opening angle: 180°.
- Bosses for accessory-fixing inserts: M6 inside the enclosure, M5 in the door for enclosure heights of 430 and 530 mm, M6 in the door for enclosure heights ≥ 647 mm.
- 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.
- Grid pattern with a pitch of 25 mm on the back of the door.



Built-in canopy protecting the door and the sealing gasket.
Two double-bar 3-mm locks outside the sealed zone.



Polyamide hinge pin, easily removable and captive.



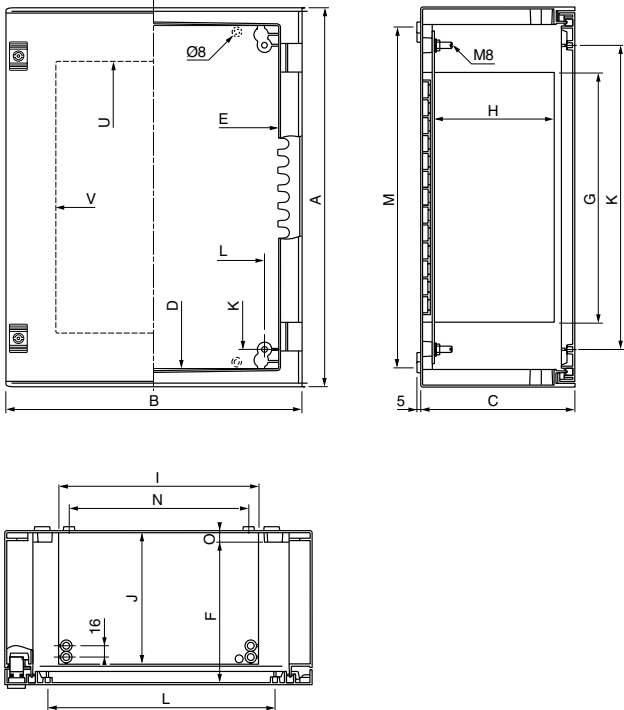
External dimensions (mm)			ABS/PC wall-mounting enclosures IP 66		Polyester wall-mounting enclosures IP 66				Wall-mounting enclosures with plain door and mounting plate	
H	W	D	Plain door	Transp. door	Plain door	Transp. door	Plain door 3-point closure	Transp. door 3-point closure	Plain	Bakelite
310	215	160	NSYPLM32	NSYPLM32T	-	-	-	-	NSYPLM32P	NSYPLM32B
308	255	160	-	-	NSYPLM3025	NSYPLM3025T	-	-	NSYPLM3025P	NSYPLM3025B
430	330	200	-	-	NSYPLM43	NSYPLM43T	NSYPLM43V	NSYPLM43TV	NSYPLM43P	NSYPLM43B
530	430	200	-	-	NSYPLM54	NSYPLM54T	NSYPLM54V	NSYPLM54TV	NSYPLM54P	NSYPLM54B
647	436	250	-	-	NSYPLM64	NSYPLM64T	NSYPLM64V	NSYPLM64TV	NSYPLM64P	NSYPLM64B
747	536	300	-	-	NSYPLM75	NSYPLM75T	NSYPLM75V	NSYPLM75TV	NSYPLM75P	NSYPLM75B
847	636	300	-	-	NSYPLM86	NSYPLM86T	NSYPLM86V	NSYPLM86TV	NSYPLM86P	NSYPLM86B
1056	852	350	-	-	NSYPLM108	NSYPLM108T	-	-	-	NSYPLM108B

GRP ATEX enclosures are also available, for more information contact us on: 0870 608 8 608

Polyester wall-mounting enclosures IP 66

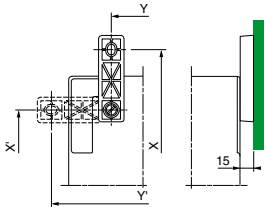
Dimensions

A: Height
B: Width
C: Depth



5

Dimensions (mm)										Bottom screw and door bosses (mm)		Internal fixing (m)			Glazed door (mm)		References
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	U	V	
430	330	200	380	260	181	247	150	179	168	325	225	375	150	13	273	194	NSYPLM43
530	430	200	480	360	181	347	150	279	168	425	325	475	250	13	373	294	NSYPLM54
647	436	250	580	360	228	388	192	279	212	525	325	575	250	13	473	294	NSYPLM64
747	536	300	680	460	278	487	241	379	261	325	425	675	350	15	573	394	NSYPLM75
847	636	300	780	560	278	587	241	479	261	725	525	775	450	15	673	494	NSYPLM86
1056	852	350	980	760	327	775	280	680	300	925	725	975	650	15	854	661	NSYPLM108



External fixing with lugs (mm)				References
Vertical		Horizontal		
X	Y	X'	Y'	
490	225	355	360	NSYPLM43
590	325	455	460	NSYPLM54
690	330	555	465	NSYPLM64
790	430	655	565	NSYPLM75
890	530	755	665	NSYPLM86
1090	750	955	885	NSYPLM108

Polyester wall-mounting enclosure

Selection guide

Mounting accessories



External dimensions of the enclosures (mm)			Metallic mounting plates				Insulating mounting plates		Modular distribution chassis	Step slides	Symmetrical DIN rail
H	W	D	Plain	Silkscreened	Microperforated	Telequick	Bakelite	Polyester			
310	215	160	NSYMM32	-	-	NSYMR32	NSYMB32	NSYMPP32	-	-	NSYCS200PLM
308	255	160	NSYMM3025	-	-	NSYMR3025	NSYMB3025	NSYMPP3025	NSYDLPLM18	-	-
430	330	200	NSYMM43	NSYMS43	NSYMF43	NSYMR43	NSYMB43	NSYMPP43	NSYDLA24	NSYDPLM200	NSYCS300PLM
530	430	200	NSYMM54	NSYMS54	NSYMF54	NSYMR54	NSYMB54	NSYMPP54	NSYDLA48	NSYDPLM200	NSYCS400PLM
647	436	250	NSYMM64	NSYMS46	NSYMF64	NSYMR64	NSYMB64	NSYMPP64	NSYDLA48P	NSYDPLM250	NSYCS400PLM
747	536	300	NSYMM75	NSYMS75	NSYMF75	NSYMR75	NSYMB75	NSYMPP75	NSYDLA66 and NSYDLA88	NSYDPLM300	NSYCS500PLM
847	636	300	NSYMM86	NSYMS86	NSYMF86	NSYMR86	NSYMB86	NSYMPP86	NSYDLA84 and NSYDLA112	NSYDPLM300	NSYCS600PLM
1056	852	350	NSYMM108	-	NSYMF108	NSYMR108	NSYMB108	NSYMPP108	NSYDLA234	NSYDPLM350	NSYCS800PLM

Main accessories



External dimensions (mm)			Fixing lugs	Post-fixing device	Floor-mounting pillar	Coupling frame	Cable-gland plate	Internal door	Blanking plates
H	W	D							
310	215	160	NSYPFPLM32	-	-	-	-	-	NSYCEPLMA
308	255	160	NSYPFPLM	-	-	-	-	NSYPA3025PLM	-
430	330	200	NSYPFPLM	NSYSFP300	-	-	-	NSYPAP43	NSYCEPLMB
530	430	200	NSYPFPLM	NSYSFP400	NSYSFSPLM	-	-	NSYPAP54	NSYCEPLMB
647	436	250	NSYPFPLM	NSYSFP400	NSYSFSPLM	-	-	NSYPAP64	NSYCEPLMC
747	536	300	NSYPFPLM	NSYSFP500	-	NSYBUPLM	NSYTLA4420	NSYPAP75	NSYCEPLMC
847	636	300	NSYPFPLM	NSYSFP600	-	NSYBUPLM	NSYTLA4420	NSYPAP86	NSYCEPLMC
1056	852	350	NSYPFPLM	-	-	NSYBU108PLM	NSYTLA6420	NSYPAP108	-

Modular distribution accessories are also available,
for more information contact us on: 0870 608 8 608

Composition accessories

Locking system



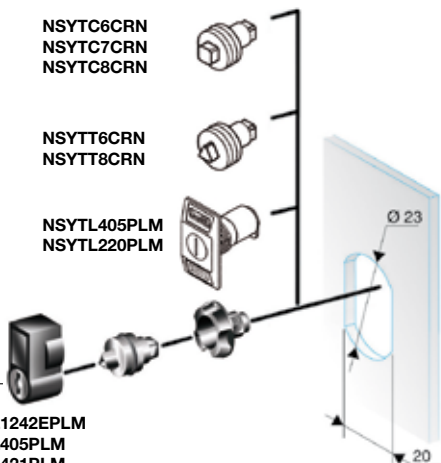
Locks and inserts for enclosures with H < 847 mm

- The ABS/PC 310 x 215 mm enclosure is supplied with a lock with a double-bar insert as standard.
- The 308 x 255 mm enclosure is supplied with two locks with a double-bar insert as standard.
- The polyester enclosures from 430 to 847 mm high are delivered as standard with:
 - 2 locks with double-bar insert, ref. **NSYCDBPLM**.
 - Or a 3-point closure with handle and lock with key 1242 E (enclosures **NSYPLM●●V**).
- Double-bar insert ref. **NSYTDBCRN**, is placed in a rectangular escutcheon.
- A plastic key, ref. **NSYDBP**, enabling the opening of the double-bar insert, is included in the standard supply. This key can be fixed to the double-bar system to remain on the enclosure and be used as a handle.

NSYTC6CRN
NSYTC7CRN
NSYTC8CRN

NSYTT6CRN
NSYTT8CRN

NSYTL405PLM
NSYTL220PLM



NSYTHL1242EPLM
NSYTHL405PLM
NSYTHL421PLM
NSYTHL455PLM
NSYTHL2331APLM
NSYTHL2433APLM
NSYTHL3113APLM
NSYTHPLM

Options to transform the locks with double-bar inserts

- Changing the shape inserts for locks with keys according to the following table:

Name	References
6-mm male square	NSYTC6CRN
7-mm male square	NSYTC7CRN
8-mm male square	NSYTC8CRN
6.5-mm male triangle	NSYTT6CRN
8-mm male triangle	NSYTT8CRN
Lock and key 405	NSYTL405PLM
Lock and key 220	NSYTL220PLM

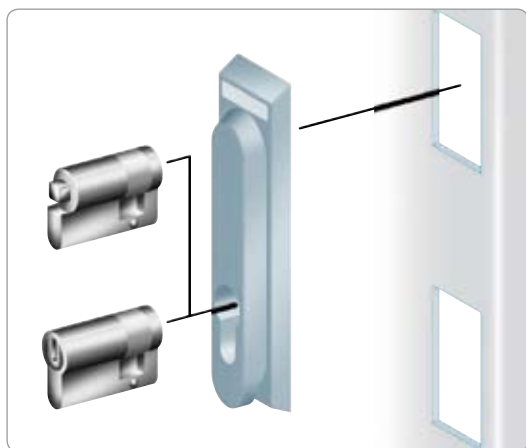
- Replacement for locking handle with cylindrical barrel, delivered with all the parts required to change the lock.

Type of barrel	References
Key 1242 E	NSYTHL1242EPLM
Key 405	NSYTHL405PLM
Key 421	NSYTHL421PLM
Key 455	NSYTHL455PLM
Key 2,331 A	NSYTHL2331APLM
Key 2,433 A	NSYTHL2433APLM
Key 3113 A	NSYTHL3113APLM
Manual	NSYTHPLM

Options to transform versions NSYPLM●●V, with retractable handle and 3-point closure

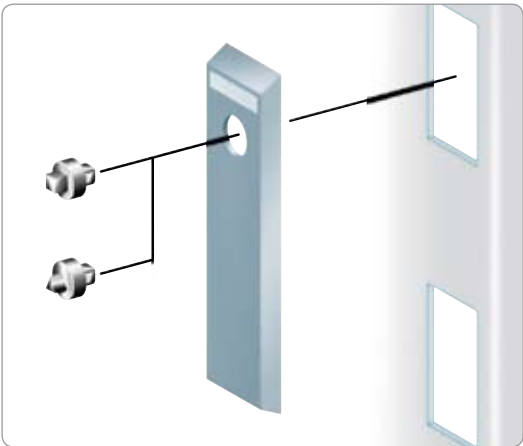
- Transformation of the standard insert (barrel for key 1242E, ref. **NSYTL1242EME**) for other shape inserts or barrels according to the following table:

Name	References
5-mm double bar	NSYTDB5ME
6-mm male square	NSYTC6ME
7-mm male square	NSYTC7ME
8-mm male square	NSYTC8ME
6.5-mm male triangle	NSYTT6ME
8-mm male triangle	NSYTT8ME
Barrel and key 405	NSYTCL405ME
Reinforced key and barrel	NSYTLRME
JIS key and barrel	MSYTLJISME
Manual	MNSYTMME



Composition accessories

Locking system



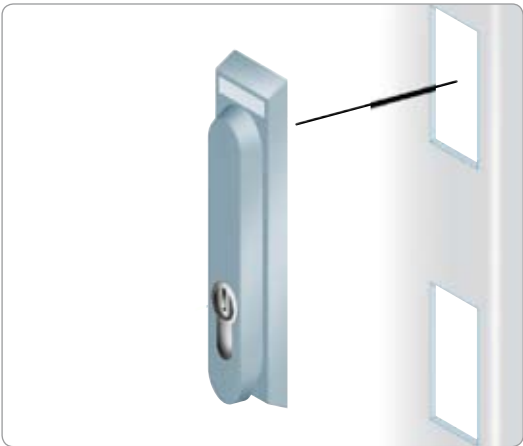
Locks and inserts for enclosures NSYPLM108/T

- Enclosures delivered as standard with 5-mm double-bar insert.
- Insert ref. **NSYTDB5PL**, placed in a long rectangular escutcheon, activates a 4-point closure system.

Options to transform the insert

- The standard insert can be replaced with other shape inserts, according to the following table:

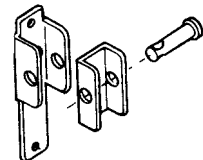
Name	References
6-mm male square	NSYTC6PL
7-mm male square	NSYTC7PL
8-mm male square	NSYTC8PL
6.5-mm male triangle	NSYTT6PL
7-mm male triangle	NSYTT7PL
8-mm male triangle	NSYTT8PL



Options to transform for a retractable handle

- The escutcheon and rosette assembly can be replaced with a lock with retractable handle equipped with inserts or barrels, according to the following table:

Name	References
5-mm double bar	NSYTDB5PL
6-mm male square	NSYTEC6PL
7-mm male square	NSYTEC7PL
8-mm male square	NSYTEC8PL
6.5-mm male triangle	NSYTET6PL
7-mm male triangle	NSYTET7PL
8-mm male triangle	NSYTET8PL
Lock key 1242 E	NSYTEL1242EPL
Barrel and key 405	NSYTEL405PL
Reinforced key and barrel	NSYTERPL
JIS key and barrel	NSYTELJISPL
FAC key and barrel	NSYTELFACPL
Manual	NSYTEMPL



Padlocking accessories

- Padlocking system, ref. **NSYKPLM**, positioned around the rectangular escutcheon of the enclosures with a height of < 847 mm to block access to the lock; for a Ø 9 mm padlock.
- Padlocking system, ref. **NSYBCPL**, positioned around the long rectangular escutcheon of the enclosures ref. **NSYPLM108/T**, to block access to the lock; for a Ø 9 mm padlock.
- Padlocking system, ref. **NSYBCME**, to block access to the retractable handle, for the versions **NSYPLM●●V** or optionally for enclosures ref. **NSYPLM108/T**, for a Ø 9 mm padlock.

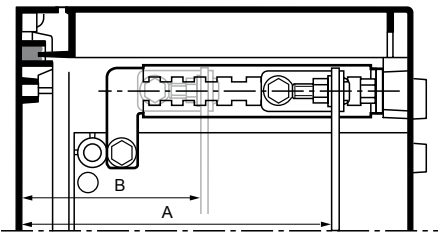


Step slides

For depth adjustment of the mounting plate

- Kit including 4 step slides with brackets, allowing depth adjustment with a pitch of 12.5 mm, and the fixings required for the installation.
- Material: galvanised steel.
- Incompatible with the modular distribution chassis.

For wall-mounting enclosure	Depth adjustment		References
Depth (mm)	Dimension A (mm)	Dimension B (mm)	
200	156	94	NSYDPLM200
250	200	100	NSYDPLM250
300	250	100	NSYDPLM300
350	306	106	NSYDPLM350



Plastic nuts for rail fixing

- They slide directly into the notches, with a pitch of 25 mm, which are located on the rear of the enclosures, except enclosure ref. **NSYPLM3025/T**. They allow direct fixing of symmetrical DIN rails by self-tapping screws. Option of raising the rails with an M6 spacer using a plastic nut containing an M6 nut.
- To be ordered in multiples of 20.

Name	References
Plastic nut with self- tapping screw	NSYTCSPLM
Plastic nut containing an M6 metal nut	NSYTCSM6PLM



35-mm symmetrical DIN rails

- They are fixed to the rear of the enclosure without uprights, with a pitch of 25 mm for the notches on the rear of the enclosure, with the help of direct-fixing nuts ref. **NSYTCSPLM** or **NSYTCSM6PLM**.
- Treated steel.
- To be ordered in multiples of 2.

Rail length (mm)	For wall-mounting enclosure	References
	Width (mm)	
215	180	NSYCS200PLM
330	280	NSYCS300PLM
430 / 435	380	NSYCS400PLM
535	480	NSYCS500PLM
635	580	NSYCS600PLM
850	795	NSYCS800PLM

Accessories

Diverse



Fixing inserts

- Expanding inserts for addition to the M6 bosses of the enclosure, the M5 or M6 bosses of the door and the M8 bosses of the external rear part of the enclosure.
- M5 and M6 inserts to be ordered in multiples of 20.
- M8 inserts to be ordered in multiples of 8.

Insert size	For wall-mounting enclosure	References
M5	NSYPLM43 and NSYPLM54	NSYTEX5
M6	NSYPLM64 and NSYPLM108	NSYTEX6
M8	For the rear of the enclosure	NSYTEX8



Ventilation louvres

- They can be positioned inside the wall-mounting enclosures with heights of 430 to 846 mm, allowing ventilation through the channels of the enclosure.
- The IP on the rear of the enclosures is IP 44.
- The reference consists of two ventilation louvres.

Name	Reference
Ventilation louvres	NSYCAG35LP



Ventilation louvres, airing devices with filters, fans and thermal adjustment accessories, see ClimaSys section.



Water drain plug

- For drainage of condensation water.
- It is placed in the Ø 9 mm housing at the bottom of the enclosure.
- IP 55.
- To be ordered in multiples of 10.

Name	Reference
Water drain plug	NSYVEA9



Renovation and anti-graffiti paint

- Paint system with 2 components (base 80% + hardener 20%), specially designed for polyester enclosures, for their renovation and/or as prevention to allow easy removal of graffiti.
- The 1 kg reference includes 1 pot with 800 g of base paint and 200 g of hardener. It is enough to paint a surface of around 5 m².
- The 5 kg reference includes 1 pot with 4 kg of base paint and 1 kg of hardener. It is enough to paint a surface of around 25 m².
- RAL 7032 colour.
- Solvent for diluting the paint and cleaning the utensils.

Name	References
Anti-graffiti paint 1 kg	NSYAUPG1
Anti-graffiti paint 5 kg	NSYAUPG5
Anti-graffiti paint solvent 500 g	NSYAUPGS

General characteristics of the floor-standing enclosure

- Indoor or outdoor use.
- 4 versions:
 - Completely sealed enclosure (PLA version).
 - Enclosure with ventilated canopy (PLAT version).
 - Enclosure with plinth-type open bottom (PLAZ version).
 - Enclosure with plinth-type open bottom and ventilated canopy (PLAZT version).
- Note: The first letters of the references relate to the version.
- 40 dimensions:
 - 5 heights from 500 to 1500 mm.
 - 4 widths: 500 and 750 (1 door), 1000 and 1250 mm (2 doors).
 - 2 depths: 320 and 420 mm.
- Note: The figures included in the references of the enclosures and products of the range represent the dimension in dm of the product in question.
- The 2-door enclosures comprise a central upright, which can be removed in certain conditions. Please contact us.
- 3 types of door:
 - Plain door.
 - Door with transparent window (index T at the end of the reference).
 - Door with anti-posting surface (index R at the end of the reference).
- Protection degree IP 65 or IP 54 according to standard IEC 60529.
- Impact resistance IK 10 for the plain doors and all sides and IK 08 for the glazed door.
- 2-point closure for heights of 500 and 750 mm and 4-point closure points for heights > 1000 mm.

Characteristics of the material

The floor-standing enclosures are made from polyester reinforced with fibreglass, moulded by hot compression, RAL 7032 grey. This material:

- Is insulating: several kV per mm.
- Can be machined easily.
- Is resistant to corrosion: does not rust and can withstand many chemical substances.
- Resists bad weather (rain, UV).
- Withstands cold and heat in the range of -50 °C...+150 °C.
- Does not soften under heat (ball resistance at +150 °C).
- Is self-extinguishing (does not propagate fire: HB40 classification and self-extinguishing in several seconds during the glow-wire test at 960 °C during 30 s.).
- Does not contain halogens.
- Releases little smoke and nontoxic smoke in the case of combustion.
- Is light.

Characteristics of the production process

The components of the enclosures (the various sides and doors) are moulded 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.

Complies with enclosure standard IEC 62208 for:

IP, IK, resistance to heat and fire, insulation 5000 V, resistance to bad weather and corrosion and resistance to internal loads (150 kg/m²) and loads on the door (30 kg/m²).

Full insulation to create class II units according to IEC 64139-1

UL certification and NEMA classification 4X, 5, 12 and 13, depending on the version

Complies with the RoHS Directive





External dimensions (mm)				References of enclosures with door				
Height	Width	Depth	N° of doors	Plain IP65	Glazed IP65	Plain IP44	Plain IP54	Plain IP44
500	500	320	1	NSYPLA553	NSYPLA553T	NSYPLAT553	NSYPLAZ553	NSYPLAZT553
500	500	420	1	NSYPLA554	NSYPLA554T	NSYPLAT554	NSYPLAZ554	NSYPLAZT554
500	750	320	1	NSYPLA573	NSYPLA573T	NSYPLAT573	NSYPLAZ573	NSYPLAZT573
500	750	420	1	NSYPLA574	NSYPLA574T	NSYPLAT574	NSYPLAZ574	NSYPLAZT574
500	1000	320	2	NSYPLA5103	NSYPLA5103T	NSYPLAT5103	NSYPLAZ5103	NSYPLAZT5103
500	1000	420	2	NSYPLA5104	NSYPLA5104T	NSYPLAT5104	NSYPLAZ5104	NSYPLAZT5104
500	1250	320	2	NSYPLA5123	NSYPLA5123T	NSYPLAT5123	NSYPLAZ5123	NSYPLAZT5123
500	1250	420	2	NSYPLA5124	NSYPLA5124T	NSYPLAT5124	NSYPLAZ5124	NSYPLAZT5124
750	500	320	1	NSYPLA753	NSYPLA753T	NSYPLAT753	NSYPLAZ753	NSYPLAZT753
750	500	420	1	NSYPLA754	NSYPLA754T	NSYPLAT754	NSYPLAZ754	NSYPLAZT754
750	750	320	1	NSYPLA773	NSYPLA773T	NSYPLAT773	NSYPLAZ773	NSYPLAZT773
750	750	420	1	NSYPLA774	NSYPLA774T	NSYPLAT774	NSYPLAZ774	NSYPLAZT774
750	1000	320	2	NSYPLA7103	NSYPLA7103T	NSYPLAT7103	NSYPLAZ7103	NSYPLAZT7103
750	1000	420	2	NSYPLA7104	NSYPLA7104T	NSYPLAT7104	NSYPLAZ7104	NSYPLAZT7104
750	1250	320	2	NSYPLA7123	NSYPLA7123T	NSYPLAT7123	NSYPLAZ7123	NSYPLAZT7123
750	1250	420	2	NSYPLA7124	NSYPLA7124T	NSYPLAT7124	NSYPLAZ7124	NSYPLAZT7124
1000	500	320	1	NSYPLA1053	NSYPLA1053T	NSYPLAT1053	NSYPLAZ1053	NSYPLAZT1053
1000	500	420	1	NSYPLA1054	NSYPLA1054T	NSYPLAT1054	NSYPLAZ1054	NSYPLAZT1054
1000	750	320	1	NSYPLA1073	NSYPLA1073T	NSYPLAT1073	NSYPLAZ1073	NSYPLAZT1073
1000	750	420	1	NSYPLA1074	NSYPLA1074T	NSYPLAT1074	NSYPLAZ1074	NSYPLAZT1074
1000	1000	320	2	NSYPLA10103	NSYPLA10103T	NSYPLAT10103	NSYPLAZ10103	NSYPLAZT10103
1000	1000	420	2	NSYPLA10104	NSYPLA10104T	NSYPLAT10104	NSYPLAZ10104	NSYPLAZT10104
1000	1250	320	2	NSYPLA10123	NSYPLA10123T	NSYPLAT10123	NSYPLAZ10123	NSYPLAZT10123
1000	1250	420	2	NSYPLA10124	NSYPLA10124T	NSYPLAT10124	NSYPLAZ10124	NSYPLAZT10124
1250	500	320	1	NSYPLA1253	NSYPLA1253T	NSYPLAT1253	NSYPLAZ1253	NSYPLAZT1253
1250	500	420	1	NSYPLA1254	NSYPLA1254T	NSYPLAT1254	NSYPLAZ1254	NSYPLAZT1254
1250	750	320	1	NSYPLA1273	NSYPLA1273T	NSYPLAT1273	NSYPLAZ1273	NSYPLAZT1273
1250	750	420	1	NSYPLA1274	NSYPLA1274T	NSYPLAT1274	NSYPLAZ1274	NSYPLAZT1274
1250	1000	320	2	NSYPLA12103	NSYPLA12103T	NSYPLAT12103	NSYPLAZ12103	NSYPLAZT12103

Thalassa PLA

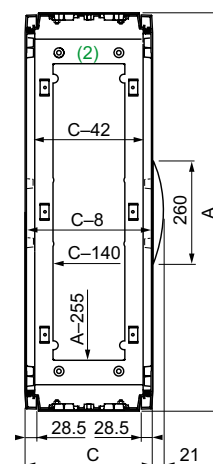
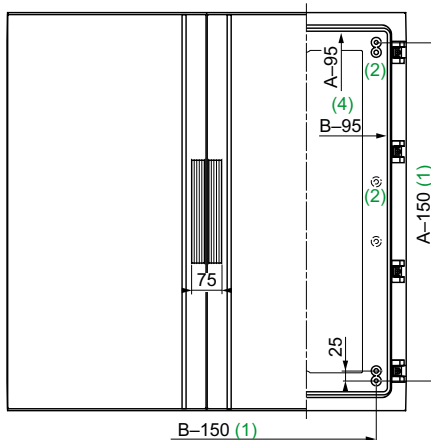
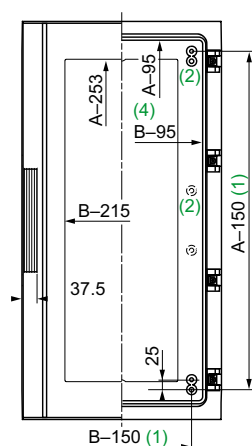


External dimensions (mm)				Metallic mounting plate	Insulating mounting plate	
Height	Width	Depth	N° of doors	Plain	Polyester	Internal door
500	500	320	1	NSYPMM55	NSYPMA55	NSYPAPLA55
500	500	420	1			
500	750	320	1	NSYPMM75	NSYPMA75	NSYPAPLA57
500	750	420	1			
500	1000	320	2	NSYPMM510	NSYPMA510	2 x NSYPAPLA55
500	1000	420	2			
500	1250	320	2	NSYPMM55 + NSYPMM75	NSYPMA55 + NSYPMA75	NSYPAPLA55 + NSYPAPLA57
500	1250	420	2			
750	500	320	1	NSYPMM75	NSYPMA75	NSYPAPLA75
750	500	420	1			
750	750	320	1	NSYPMM77	NSYPMA77	NSYPAPLA77
750	750	420	1			
750	1000	320	2	NSYPMM710	NSYPMA710	2 x NSYPAPLA75
750	1000	420	2			
750	1250	320	2	NSYPMM712	NSYPMA712	NSYPAPLA75 + NSYPAPLA77
750	1250	420	2			
1000	500	320	1	NSYPMM105	NSYPMA105	NSYPAPLA105
1000	500	420	1			
1000	750	320	1	NSYPMM107	NSYPMA107	NSYPAPLA107
1000	750	420	1			
1000	1000	320	2	NSYPMM1010	NSYPMA1010	2 x NSYPAPLA105
1000	1000	420	2			
1000	1250	320	2	NSYPMM1012	NSYPMA1012	NSYPAPLA105 + NSYPAPLA107
1000	1250	420	2			
1250	500	320	1	NSYPMM125	NSYPMA125	NSYPAPLA125
1250	500	420	1			
1250	750	320	1	NSYPMM127	NSYPMA127	NSYPAPLA127
1250	750	420	1			
1250	1000	320	2	NSYPMM1210	NSYPMA1210	2 x NSYPAPLA125

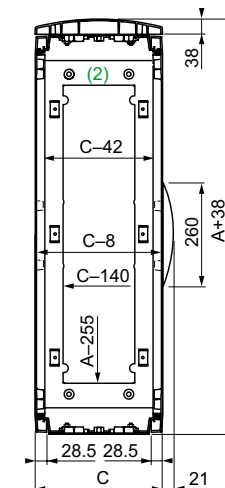
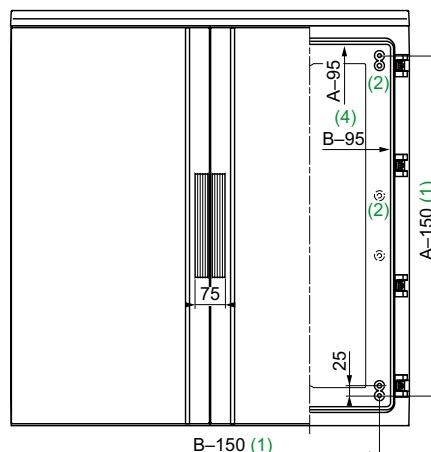
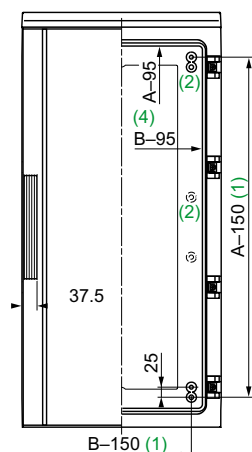
Polyester floor-standing enclosures

Dimensions

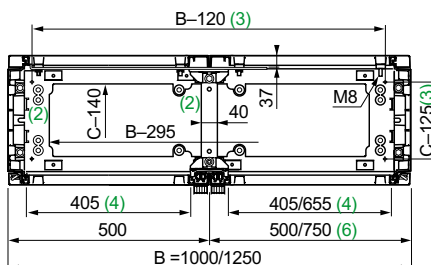
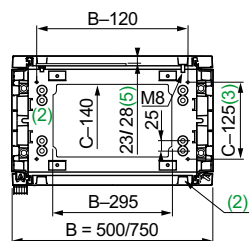
Sealed enclosure



Enclosure with ventilated canopy



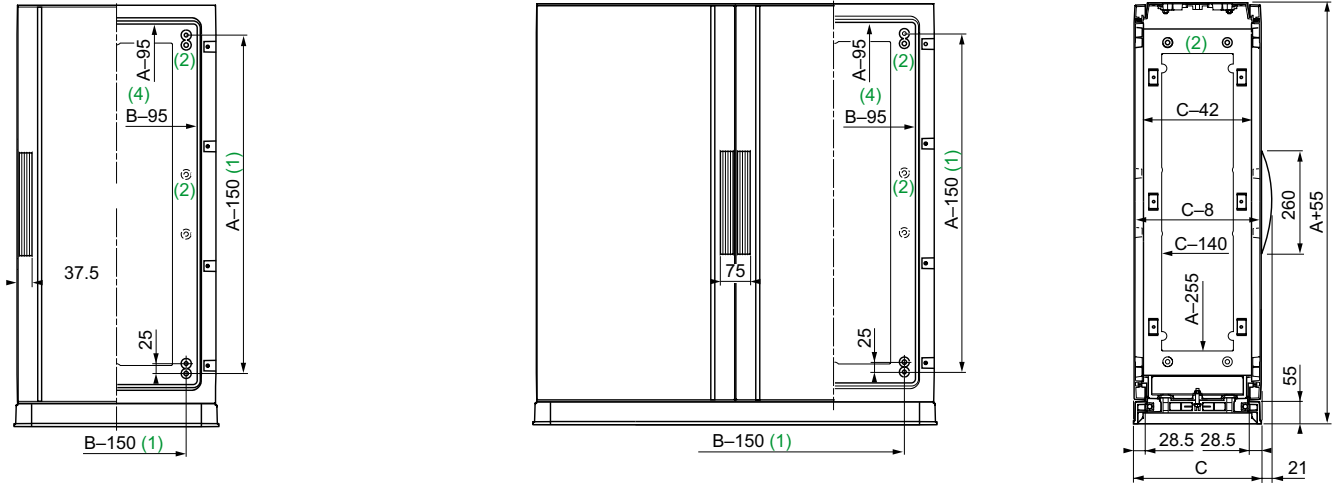
Common top views



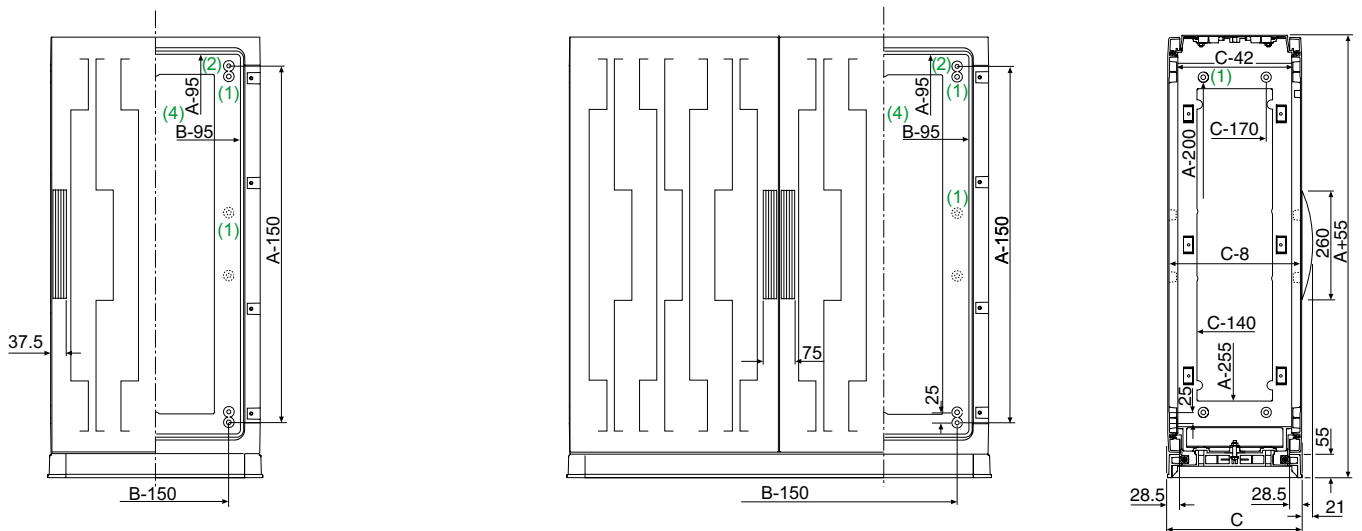
Polyester floor-standing enclosures

Dimensions

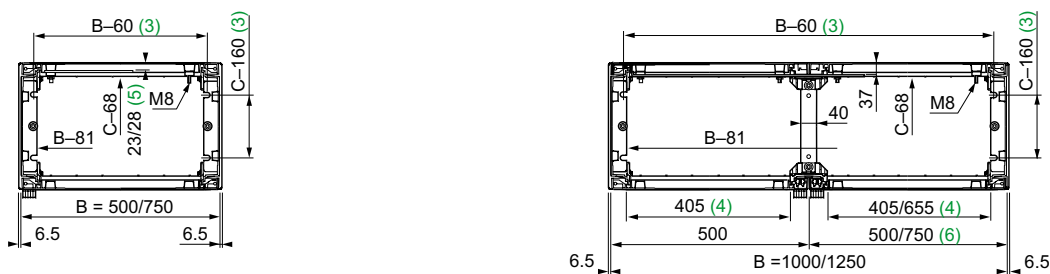
Enclosure with plinth-type open bottom part



Enclosure with ventilated canopy and plinth-type open bottom part



Common top views

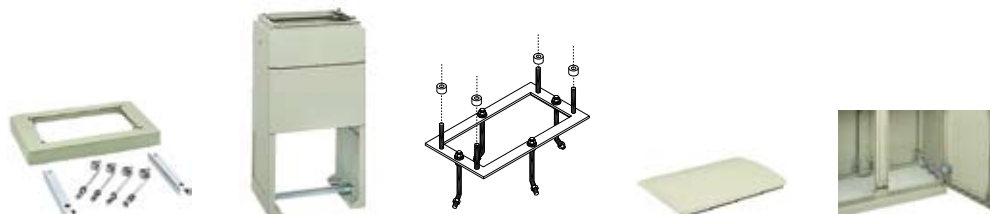


- (1) 4 bosses with M8 inserts and studs for direct fixing of mounting plates.
- (2) Bosses designed to accommodate M8 inserts, ref. **NSYTEX8**. They are placed:
 - On the back of the enclosure, from the height of 1000 mm. They allow the fixing of partial mounting plates and assorted equipment.
 - On the top and bottom parts of the enclosure. They are used for fixing the step slides, an internal door, 19" chassis, etc.
- (3) Dimensions for fixing on the floor or on a plinth.
- (4) Entry dimensions, door open.
- (5) Dimension of 28 mm for enclosures with heights of more than 1000 mm (height after the installation of the plain mounting plates with reinforcement foldings).
- (6) With a width of 1250 mm in standard supply, 500-mm door on the left and 750-mm door on the right.

Polyester floor-standing enclosures

Accessory selection guide

Composition accessories



Enclosure dimensions (mm)		Plinth (1)	Plinth (2)	Floor-fixing frame (2)	Canopy	Cable-entry plate
		Height 60 mm	Height 900 mm			
Width	Depth					
500	320	NSYZNPLA53	NSYZHPLA53	NSYMFPLAZ53	NSYTJPLA53	NSYECPLAZ53
500	420	NSYZNPLA54	NSYZHPLA54	NSYMFPLAZ54	NSYTJPLA54	NSYECPLAZ54
750	320	NSYZNPLA73	NSYZHPLA73	NSYMFPLAZ73	NSYTJPLA73	NSYECPLAZ73
750	420	NSYZNPLA74	NSYZHPLA74	NSYMFPLAZ74	NSYTJPLA74	NSYECPLAZ74
1000	320	NSYZNPLA103	NSYZHPLA103	NSYMFPLAZ103	NSYTJPLA103	NSYECPLAZ103
1000	420	NSYZNPLA104	NSYZHPLA104	NSYMFPLAZ104	NSYTJPLA104	NSYECPLAZ104
1250	320	NSYZNPLA123	NSYZHPLA123	NSYMFPLAZ123	NSYTJPLA123	NSYECPLAZ123
1250	420	NSYZNPLA124	NSYZHPLA124	NSYMFPLAZ124	NSYTJPLA124	NSYECPLAZ124

(1) Enclosures with closed base - PLA or PLAT

(2) Enclosures with open base - PLAZ or PLAZT



NSYRETPLA



NSYRETPLAU

Door retainer

- Designed to adapt directly to the enclosure.
- 2 models available according to the type of enclosure:
 - 1 model opening to 110° for enclosure versions PLA, PLAZ and PLAT.
 - 1 model with 2 positions, 90° and 120°, for all the versions (warning: this solution is incompatible with certain accessories), see below.
- Can be installed on a door opening to the left or right indistinctly.
- Material: galvanised steel.
- Delivered with the fixings required for installation.

For enclosure	Reference
Version PLA, PLAZ, PLAT	NSYRETPLA
For all versions	NSYRETPLAU

Note: Ref. **NSYRETPLAU** is incompatible with internal doors, modular distribution chassis, step slides, adapter plates and cable-entry plates. In the event of incompatibility, use ref. **NSYRETPLAZ**.

Step slides



- Set of 4 step slides with brackets allowing continuous depth adjustment of the mounting plate, with a pitch of 25 mm.
- Designed for direct installation in the enclosures with sealed bottom part (versions PLA or PLAT).
- In the enclosures with open bottom part (versions PLAZ or PLAZT), installation is made possible by adding the relevant adapter plates (see tables below and description on the next page).
- Material: bracket with steel M8 stud on aluminium rail.
- Fixing on the top and bottom parts of the enclosure by means of M8 inserts and screws (supplied).
- Incompatibility with: internal door, modular distribution chassis, 19" chassis, cable-entry plate and door retainer, ref. **NSYRETPLAU**.

For enclosure		Reference	
Depth (mm)	N° of doors	Step slides	Adapter plates
320	1	NSYDPLA3	NSYPTZ3
420	1	NSYDPLA4	NSYPTZ4
320	2	2 x NSYDPLA3	NSYPTZ32P
420	2	2 x NSYDPLA4	NSYPTZ42P

Composition accessories

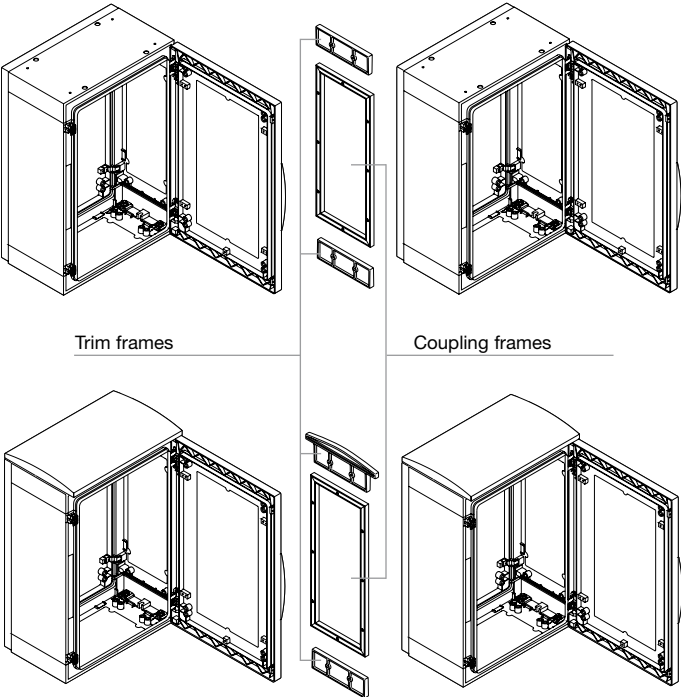
Coupling accessories

Horizontal coupling kits

- For coupling 2 enclosures side by side.
- Coupling frame kit: made up of a coupling kit and the fixings required for installation.
- IP 55 at the coupling point.
- Trim kit: made up of 2 frames for aesthetic fitting of the 2 coupled enclosures.

For enclosure	References of coupling frame kit for enclosure (mm)	
	Depth 320	Depth 420
Height (mm)		
500	NSYMUPLA53	NSYMUPLA54
750	NSYMUPLA73	NSYMUPLA74
1000	NSYMUPLA103	NSYMUPLA104
1250	NSYMUPLA123	NSYMUPLA124
1500	NSYMUPLA153	NSYMUPLA154

For enclosure	References of trim kit for enclosure (mm)	
	Depth 320	Depth 420
Without canopy	NSYSUPLA3	NSYSUPLA4
With canopy	NSYSUPLA3T	NSYSUPLA4T



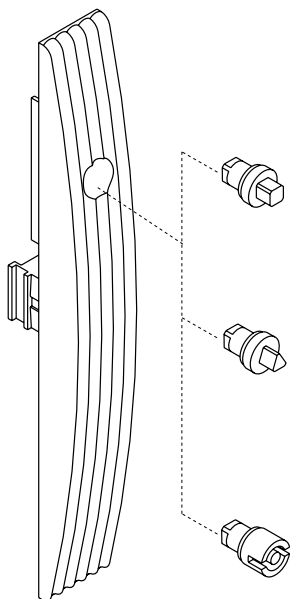
Vertical coupling kit

- For coupling 2 enclosures on top of one another.
- Kit made up of 3.5 m of adhesive seal and the fixings required for mounting.
- IP 55 at the coupling point.

Description	Reference
Vertical coupling kit	NSYUVPLA

Composition accessories

Locking system



Locks with escutcheon and without handle

- Standard supply for the enclosures with sealed top and bottom parts (PLA version).
- With 5-mm double-bar insert.
- PA6 material charged with fibreglass.
- RAL 7032 grey.
- Fire resistance: 650 °C.
- Resistance to external mechanical impacts: IK 10.
- Insert breakage torque: 15 daN.

Options of changing the form inserts (supplied with the required operating key)

Description	Reference
7-mm square insert	NSYTC7CRN
8-mm square insert	NSYTC8CRN
6.5-mm triangular insert	NSYTT6CRN
8-mm triangular insert	NSYTT8CRN
5-mm double-bar insert	NSYTD5PLA

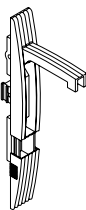


NSYBCPLA

Padlocking device

- Padlocking accessory, preventing access to the lock-control insert. Opening diameter: 14 mm.

Description	Reference
Padlocking device	NSYBCPLA



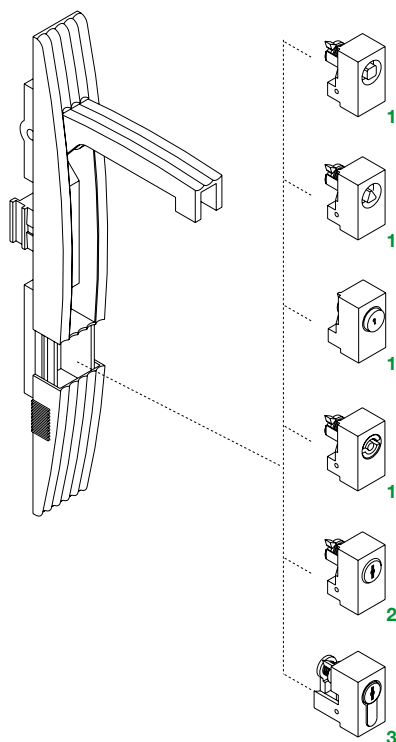
NSYEBMPLA

Options of changing for a handle lock

- Option of changing the escutcheon and the insert for a handle lock, ref. **NSYEBMPLA**, delivered without barrel or insert block.
- The insert or barrel are to be chosen from the option table on the next page.

Composition accessories

Locking system



- 1 Block with form insert.
 2 Block with cylindrical barrel.
 3 Block with semi-cylindrical barrel.

Lock with handle

- Ergonomic locking system with pivoting handle installed as standard on enclosures with ventilated canopy and/or open bottom part (versions PLAT, PLAZ and PLAZT), with a 5-mm double-bar insert block.
- Material: PA6 charged with 30% fibreglass.
- RAL 7032 grey.
- Fire resistance: 650 °C.
- Resistance to external mechanical impacts: IK 10.

Options of changing the form-insert blocks (supplied with the required operating key)

Description	Reference
Block, 6-mm square insert	NSYINS61
Block, 7-mm square insert	NSYINS71
Block, 8-mm square insert	NSYINS81
Block, 6.5-mm triangular insert	NSYINT61
Block, 8-mm triangular insert	NSYINT81
Push-button	NSYTSPLA
Double bar	NSYINDB51

Options of changing for blocks with cylindrical barrels

Type of key	Reference	Type of key	Reference
405 E key	NSYIN405E1	2452 E key	NSYIN2452E1
421 E key	NSYIN421E1	3113 A key	NSYIN3113A1
455 key	NSYIN4551	3122 E key	NSYIN3122E1
1242 E key	NSYIN1242E1	3123 A key	NSYIN3123A1
1332 E key	NSYIN1332E1	3133 A key	NSYIN3133A1
2131 A key	NSYIN2131A1	3422 E key	NSYIN3422E1
2132 A key	NSYIN2132A1	3432 E key	NSYIN3432E1
2331 A key	NSYIN2331A1	EDF 1300 key	NSYINF1301
2433 A key	NSYIN2433A1	EDF 1400 key	NSYINF1401

Options of changing for blocks with semi-cylindrical barrels

Description	Reference
1242 E key	NSYIN1242E1
DIN adapter	NSYINDIN2
JIS key	NSYINKJIS2
Reinforced key	NSYINKR2
FAC key	NSYINKFAC2

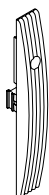
Options of changing the handle

- Changing the handle for a handle including a padlocking device (Ø 10 mm) allowing the handle to be locked.
- Option of changing the handle lock for a lock with an escutcheon and without handle, delivered without insert. The insert is to be chosen from the option table on the previous page:

Description	Reference
Padlocking handle	NSYCBCMPLA
Escutcheon without handle and insert	NSYEBPLA



NSYCBCMPLA



NSYEBPLA

General Accessories



Lamps 6/2



Document pockets 6/4



Door switches 6/5



Windows 6/6



Earthing 6/7



NSYLAMDP



NSYLAMIN



NSYLAMPO

Neon lamp with E27 bulb base

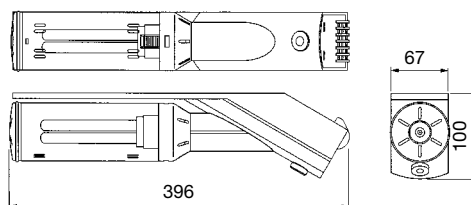
- Available in three versions:
 - With motion sensor.
 - With On-Off switch.
 - Portable lamp with simple support, power cord and plugs.
- The references **NSYLAMDP** and **NSYLAMIN** allows the connection terminal for serial connection of a door switch and another lamp.

Designation	Reference	Fixation
Lamp with motion sensor	NSYLAMDP	Screws or magnetic*
Lamp with on/off switch	NSYLAMIN	
Portable lamp	NSYLAMPO	Adhesive

* It is impossible to fix it magnetically in stainless steel enclosures.

Technical characteristics

- Power consumption: 20 W.
- Voltage: 220 V / 50 – 60 Hz.
- Luminosity: 1000 Lm.
- Service life: 10000 h.
- Switch: Movement detector PIR, 3 min. lasting aprox.
- Connection: 4-pole screw connector 2.5 mm² (torque 0.5 Nm max.).
- Casing: Plastic according to UL94 V-0, light grey.
- Weight: Approx. 0.60 kg.
- Fitting position: Variable.
- Operating/Storage temperature: –20 to +50 °C (–4 to +122 °F) / –45 to +70 °C (–49 to +158 °F).
- Protection type/Protection class: IP20 / II (double insulated).
- According with the standard: IEC 55014 and IEC 50082-1.



Accessories

- Separate power cord for ref. **NSYLAMDP** and **NSYLAMIN**.

Description	Reference
Power cord (1)	NSYCLAM

(1) Cord length: 2 m.



Neon lamp

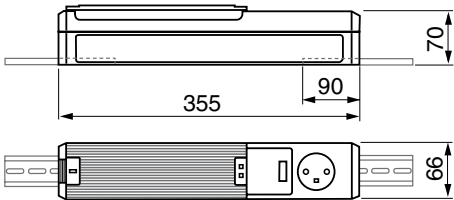
- Compact neon lamp, low consumption with switch and power socket.
- Magnetic fixing* or on a 35 mm DIN rail (non supply).
- Delivered with a protective glass.

* It is impossible to fix it magnetically in stainless steel enclosures.

Type of power socket	Luminosity	Power consumption	Voltage	Reference
UTE (16 A)	900 Lm	11 W	220/50 Hz	NSYLAM75UTE
VDE	900 Lm	11 W	220/50 Hz	NSYLAM75
BS (British Standard)	900 Lm	11 W	220/50 Hz	NSYLAM75BS
UL-CSA	700 Lm	9 W	115/60 Hz	NSYLAM75120
None	900 Lm	11 W	220/50 Hz	NSYLAC75

Technical characteristics

- Service life: 5000 h.
- Switch: Integrated.
- Connection: 3-pole screw connector 2.5 mm² (torque 0.5 Nm max.).
- Casing: Plastic light grey.
- Dimensions: 355 x 65 x 70 mm.
- Weight: Aprox. 1.0 kg.
- Fitting position: Variable.
- Operating/Storage temperature: -20 to +50 °C (-4 to +122 °F) / -45 to +70°C (-49 to +158 °F).
- Protection type/Protection class: IP20.



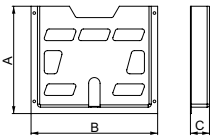


Plastic document pocket

- Fixing by adhesive tape.
- Formats: A5 and A4.
- Material: polystyrene (PS), RAL-7035 grey.

 Supply: 1 plastic document pocket.

Document format (mm)	A	B	C	Reference
A5	174	188	22	NSYDPA5
A4	234	278	22	NSYDPA4
A4	234	278	40	NSYDPA44
A3	258	476	35	NSYDPA3



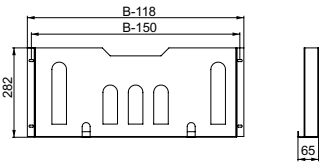
[For ranges
SF, SM, SFX, SMX]

Metal document pocket

- Direct fixing on the door reinforcement frame.
- Height adjustable in steps of 25 mm.
- Material: steel.
- Finish: painted with epoxy-polyester resin, RAL-7035 grey.

 Supply: 1 metal document pocket and fixing elements.

Enclosure dimensions (mm)	Reference
Width (B)	
600	NSYSDP6M
800	NSYSDP8M



Door accessories



Door switch for floor-standing enclosures

- The switch is fixed to the structure of the enclosure.
- Drilled M20 cable entry for cable gland.
- NC + NO contact, 10 A/500 V.

 Supply: 1 door switch and fixing elements.

Reference	For ranges
NSYDCM20	SF - SFX
NSYMDCM20	SM
NSYSNLPLA	PLA



[For ranges
CRN, S3D, S3X]

Door switch for wall-mounting enclosures

- Switch/commutator unit equipped with support and fixings for direct fixing to the enclosure.
- Can be used to control lighting, air-conditioning units, etc.
- It is not compatible with installing the 19" swing rack and the internal door.
- NC + NO contact, 10 A/500 V.

 Supply: 1 door switch and fixing elements.

Reference
NSYINLCRN



Fig. 1



Fig. 2

Window for modular equipment, IP 65

They provide viewing and access to the inside of the enclosure while keeping the IP 65 protection degree.
Made from transparent polycarbonate.

 Supply: 1 automaton window.

N.° of modules	Fig. n.°	A	B	C		Reference	
				Low cover	High cover	Low cover	High cover
2	1	78	60	15	25	NSYVA272M	NSYVA272MA
4	1	78	95	15	25	NSYVA274M	NSYVA274MA
6	1	78	130	15	25	NSYVA276M	NSYVA276MA
8	1	78	165	15	25	NSYVA278M	NSYVA278MA
10	1	78	200	15	25	NSYVA2710M	NSYVA2710MA
12	1	78	235	15	25	NSYVA2712M	NSYVA2712MA
16	2	195	165	13	-	NSYVA2716M	-
24*	2	196	235	13	-	NSYVA2724M	-
36*	2	248	235	13	-	NSYVA2736M	-
51**	2	248	325	13	-	NSYVA2751M	-

* In rows of 12 modules mounted vertically.
** In rows of 17 modules mounted horizontally.

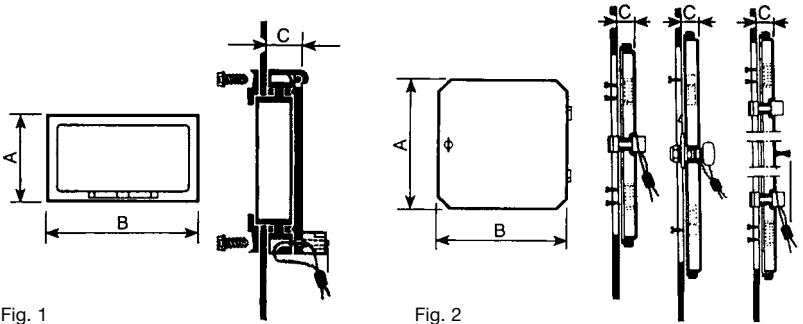


Fig. 1

Fig. 2

Plastic window IP 55

- Plastic window with hinged cover for installation on front panel, IP 55.
- Polycarbonate cover and PVC body.
- External dimensions: 213 x 133 mm.
- Internal dimensions of the window: 180 x 78 mm.
- Delivered with a drilling template.

 Composition: 1 plastic window.

Reference
NSYMW10M



Earthing accessories



Earth braids

- They guarantee the earth connection for high frequencies, avoiding the disturbing electric currents that are produced.
- Material: tinned copper.



Supply: 10 earth braids (nuts and washers not included).



Reference by unit. Order by multiples of 10 (10, 20, 30...).

Length (mm)	Width (mm)	Section (mm ²)	Terminal x (mm)	Reference
150	12	6	6.5	NSYEB156D6
150	17	10	6.5	NSYEB1510D6
155	17	16	8.5	NSYEB1516D8
200	27	25	8.5	NSYEB2025D8
200	33	50	8.5	NSYEB2050D8



Earth cables

- They make it easier to install a safe earth connection, with a perfect contact, with optimised length.
- Material: brass and copper alloy terminal, green and yellow PVC insulating sheath.



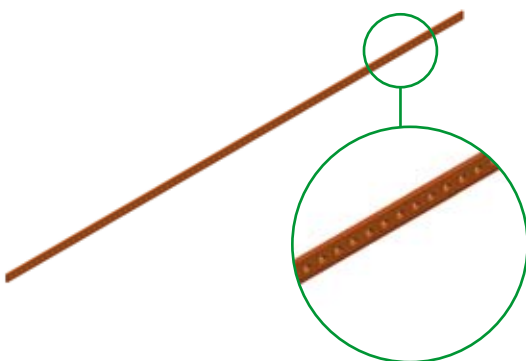
Supply: 10 earth cables (nuts and washers not included).



Reference by unit. Order by multiples of 10 (10, 20, 30...).

Length (mm)	Section (mm ²)	Terminal x (mm)	Reference
130	6	6.4	NSYEL136D6
160	6	6.4	NSYEL166D6
160	6	8.3	NSYEL166D8
170	10	6.4	NSYEL1710D6
220	6	6.4	NSYEL226D6
220	25	8.3	NSYEL2225D8
250	10	6.4	NSYEL2510D6
350	25	8.3	NSYEL3525D8

6



Earthing strip

- 15 x 3-mm perforated brass bar.
- 1 m long.
- 87 connection points, M5 drill holes.



Composition: 1 earthing strip and fixing elements.

Reference

NSYECB1M153



For ranges
SF, SM, SFX,
SMX, SD, SDX

Central earthing point

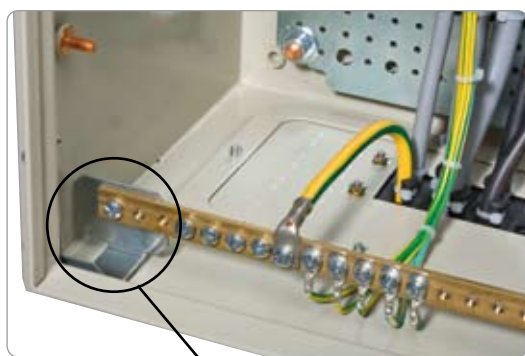
- Connects earthing braids and cables to the structure of the enclosure.
- Fixing to the structure by means of self-tapping screws.
- The earth connection is made by means of the M8 x 18-mm bolt.



Supply: 1 central earthing point, elements for fixing to the structure, and fixings for fixing to the bolt.

Reference

NSYCEP



NSYEDCOS

For ranges
S3D, S3X, CRN

Fixing lugs for the earthing strip

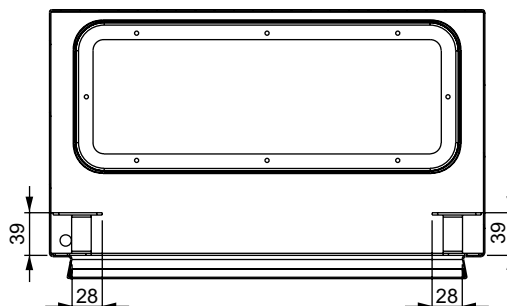
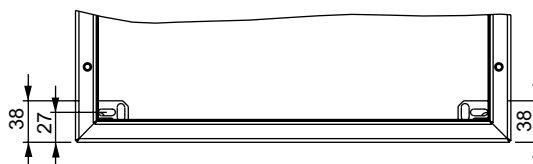
- They allow the mounting of an earth-collector rail or a DIN rail at the top and bottom of an enclosure.
- Fixing on holes made in the gutter of the enclosure.
- Mounting incompatible with certain accessories. Please consult us.
- Earthing strip.



Composition: 2 lugs and fixings.

Reference

NSYEDCOS



7

Thermal management system



ClimaSys CV-CA Ventilation and Airing systems

7/2



ClimaSys CR Resistance Heaters

7/8



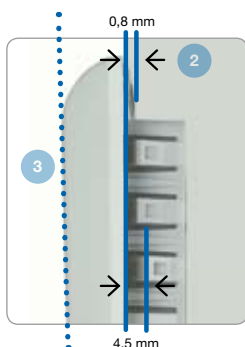
ClimaSys CC Thermal Control

7/12

Contact us on 0870 608 8 608 for more information on exchangers and cooling units

Ventilation and airing systems

Introduction



High protection rating: IP 54 as standard

Fixing guide (1)

An exclusive new mechanism (patented) is used to centre the body of the fan on the wall of the enclosure. This system corrects machining faults. In addition, it facilitates the correct operation of the fixing "clips".

Multi-thickness fixing clips (2)

This exclusive device (patented) guarantees easy and reliable fixing of the ventilation system on walls with a thickness of 0.8 to 4.5 mm, with no fixings. It guarantees perfect compression of the seal around the outline of the cut-out. The seal between the grille and the wall is guaranteed for all the materials: steel, stainless steel, polyester, aluminium, etc.

Inclined profile of the grille (3)

- This innovating profile helps protect the filter against vertical spraying:
 - Each slat is protected by the slat above it.
 - The external dimensions remain small.



Easy installation

Quick installation

- Safe, reliable fixing with the assisted fixing device and the system of multi-thickness fixing clips.
- Fixing also possible using screws.
- Easy to invert.
- To operate as extractors, all the motors can be inverted by simply removing four screws.



Easy maintenance

Quick filter replacement

Quick, easy and safe replacement of the filter installed in the fan, even during operation.

Effective system for retaining the filter

The system for holding the synthetic filter in the cavity of the filter holder guarantees a protection rating of IP 54, in the most difficult conditions.





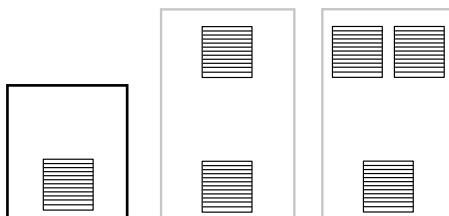
Filters

Concept	For fans and grilles		Pack.	Reference
	External dimensions (mm)	Cut-out (mm)		
G2 M1 synthetic standard filters	137 x 117	92 x 92	5	NSYCAF92
	170 x 150	125 x 125	5	NSYCAF125
	268 x 248	223 x 223	5	NSYCAF223
	336 x 316	291 x 291	5	NSYCAF291
Filters for greasy environments G2 M1	170 x 150	125 x 125	5	NSYCAF125O
	268 x 248	223 x 223	5	NSYCAF223O
	336 x 316	291 x 291	5	NSYCAF291O
G3 M1 synthetic fine filters	170 x 150	125 x 125	5	NSYCAF125T
	268 x 248	223 x 223	5	NSYCAF223T
	336 x 316	291 x 291	5	NSYCAF291T
Stainless-steel anti-insect filters	137 x 117	92 x 92	1	NSYCAF92M
	170 x 150	125 x 125	1	NSYCAF125M
	268 x 248	223 x 223	1	NSYCAF223M
	336 x 316	291 x 291	1	NSYCAF291M

Ventilation system

Selection guide

Ventilation systems with filters



	Fan flow rate (m³/h)			Voltage	Type of connection C = by cable F = by faston (1) B = by terminal block	
	Free with filter	With 1 outlet grille	With 2 outlet grilles			
	50 Hz	50 Hz	50 Hz			
	38	25	33	230 V	C	
	38	27	35	115 V	C	
	58	39	47	24 V DC	C	
	44	34	41	48 V DC	C	
	85	63	71	230 V	F	
	79	65	73	115 V	F	
	80	57	77	24 V DC	F	
	79	59	68	48 V DC	F	
	165	153	161	230 V	F	
	164	153	161	115 V	F	
	188	171	179	24 V DC	F	
	193	171	179	48 V DC	F	
	302	260	268	230 V	F	
	302	263	271	115 V	F	
	262	221	229	24 V DC	F	
	247	210	218	48 V DC	F	
	562	473	481	230 V	B	
	582	485	494	115 V	B	
	838	718	728	230 V	B	
	983	843	854	115 V	B	
	931	798	809	400/440 V	B	

(1) Fan models with connection type (F) are delivered with the connection cord included (2 metres).

Ventilation system

Selection guide

	Dimensions (mm)		Reference					
			Fan with filter	Outlet grille	Colour kit	IP 55	IP 55 stainless steel	EMC
	Total (external)	Cut-out	RAL 7035		RAL 7032			
	137 x 117	92 x 92	NSYCVF38M230PF	NSYCAG92LPF	NSYCAG92LPC	-	-	-
			NSYCVF38M115PF					
			NSYCVF38M24DPF					
			NSYCVF38M48DPF					
	170 x 150	125 x 125	NSYCVF85M230PF	NSYCAG125LPF	NSYCAG125LPC	NSYCAP125LZF	NSYCAP125LXF	NSYCAP125LE
			NSYCVF85M115PF					
			NSYCVF85M24DPF					
			NSYCVF85M48DPF					
	268 x 248	223 x 223	NSYCVF165M230PF	NSYCAG223LPF	NSYCAG223LPC	NSYCAP223LZF	NSYCAP223LXF	NSYCAP223LE
			NSYCVF165M115PF					
			NSYCVF165M24DPF					
			NSYCVF165M48DPF					
			NSYCVF300M230PF					
			NSYCVF300M115PF					
			NSYCVF300M24DPF					
			NSYCVF300M48DPF					
	336 x 316	291 x 291	NSYCVF560M230PF	NSYCAG291LPF	NSYCAG291LPC	NSYCAP291LZF	NSYCAP291LXF	NSYCAP291LE
			NSYCVF560M115PF					
			NSYCVF850M230PF					
			NSYCVF850M115PF					
			NSYCVF850M400PF					

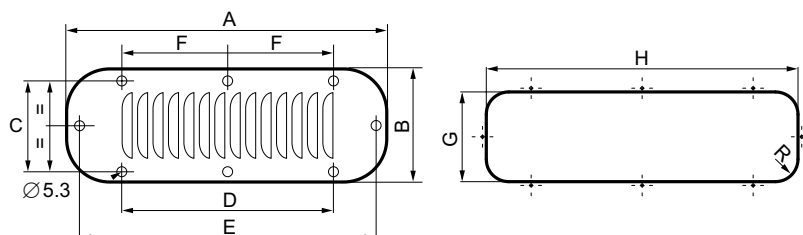
Ventilation systems

Natural airing



Metal louvre plate, rectangular

- Louvres designed to be installed on the sides of the enclosure.
- Fixing by screws.
- Material: steel.
- Finish: painted with epoxy-polyester resin, textured RAL 7035 grey.
- Supply: one metal louvre and fixing elements.
- Protection rating: IP 20.

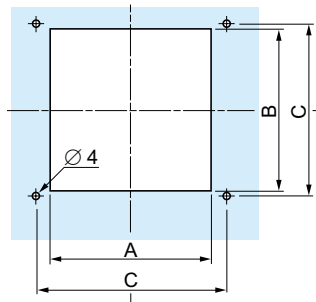


Dimensions (mm)									Reference
A	B	C	D	E	F	G	H	R	
144	62	36	110	-	-	110	46	10	NSYCAG110X46M
208	90	72	94	190	-	180	62	18	NSYCAG180X62M
244	90	72	130	226	-	216	62	18	NSYCAG216X62M
345	118	100	231	327	115.5	317	90.5	30	NSYCAG317X91M
345	148	130	231	327	115.5	317	120	30	NSYCAG317X120M
445	148	130	267	427	148.5	417	120	30	NSYCAG417X120M



Metal louvre plate, square

- Supply: one metal louvre.
- Protection rating: IP 23.



Dimensions (mm)	A	B	C	Slot width	No. of slots	Reference
120 x 120	95	104	104.8	90	5	NSYCAG104X95LM
160 x 160	110	130	140	100	5	NSYCAG130X110LM
220 x 220	190	170	200	180	5	NSYCAG170X190LM



Anti-insect filters for metal louvre plate, square

- Installation is made between the enclosure and the metal louvre.
- Material: Stainless steel 304L Ø 0.32 mm wire mesh, of 1.07 mm, thickness 0.6 mm.
- Increases protection rating to IP 33.
- Weight: 0.8 kg/m².
- Supply: one anti-insect filter.

Louvre plate reference	External dimensions (mm)	Filter reference
NSYCAG104X95LM	98 x 115	NSYCAF104X95X
NSYCAG130X110LM	133 x 158	NSYCAF130X110X
NSYCAG170X190LM	197 x 215	NSYCAF170X190X

Ventilation systems

Natural airing



Plastic ventilation louvres

- Four models available according to IP rating, in vertical position.
- Supply: 2 plastic ventilation louvres.

cut-out Ø	IP	Reference
45.5 mm	22	NSYCAG45LP
35 mm	30/44 (1)	NSYCAG35LP
38 mm	45	NSYCAG38LP
33 mm	44	NSYCAG33LP
19 mm	45	NSYCAG19LP

(1) According to installation in the Thalassa enclosure.



Sealed anti-condensation valve

- Controls the pressure to avoid condensation following an internal temperature increase.
- Maintains IP 68.
- Material: PA6-V2, acrylic co-polymer membrane, water and oil repellent.
- Temperature of use: -40...+105 °C.

Cut-out Ø	Permeability (1)	Pressure difference (2)	Minor pack.	Reference
M12	16 litres/h	$\Delta P < 1$ bar	10	NSYCAG12LPH1
M12	120 litres/h	$\Delta P < 0.1$ bar	10	NSYCAG12LPH2

(1) Air flow under $\Delta P = 0.07$ bar.

(2) Condition for IP 68.

Applications

- Protection of equipment for lighting, industrial control, rolling systems, pumps, etc.

Insulated resistance heaters

Introduction



Easy installation and connection

- Reduced dimensions.
- Quick electric connection by terminal board.
- No maintenance required.
- Direct clipping onto a 35-mm DIN rail.

Safety

- The protection prevents direct contact with the aluminium radiator.
- Electric protection device with terminal block cover.
- Equipped with a PTC-type heater.
- Surface temperature lower than 70 °C.

High thermal efficiency

- The configuration of the aluminium profile produces a "chimney" effect: high natural convection.
- Low power consumption thanks to self-control of the PTC-type heater.



Models with fan

- The heaters equipped with a fan ensure circulation of the air and a uniform temperature inside the enclosure.
- High-flow, silent fan.



Certifications

- CE marking.
- Range compliant with UL and VDE.

Aluminium resistance heaters

Introduction



Quick fixing

The resistance heaters are fixed by means of fixing clips to a 35-mm DIN rail.



Connection cables

The 10 and 20 W heaters are equipped with a 2 x 0.75 x 300 mm power cord.



Connection terminal boards

Heaters with a power of more than 20 W are equipped with a connection terminal board.

Large range of power levels

8 power levels, from 10 W to 400 W.

Models with fan

Models of 250 to 400 W with fan.



Resistance heaters

Selection guide



Insulated resistance heaters

Power (W)	Voltage (V)	Connection type Terminal block	Reference
10	12-24 DC	●	NSYCR10WU1C
10	110-250 AC	●	NSYCR10WU2C
21	12-24 DC	●	NSYCR20WU1C
21	110-250 AC	●	NSYCR20WU2C
55	12-24 DC	●	NSYCR50WU1C
55	110-250 AC	●	NSYCR50WU2C
55	270-420 AC	●	NSYCR50WU3C
100	12-24 DC	●	NSYCR100WU1C
100	110-250 AC	●	NSYCR100WU2C
100	270-420 AC	●	NSYCR100WU3C
147	12-24 DC	●	NSYCR150WU1C
147	110-250 AC	●	NSYCR150WU2C

Resistance heaters

Selection guide



Insulated resistance heater with fan

Power (W)	Voltage (V)	Connection type Terminal block	Reference
177	230 AC	•	NSYCR170W230VVC



Thermofans

Power (W)	Voltage (V)	Connection type Terminal block	Reference
350	230 AC	•	NSYCR350W230VTVC
400/550	120 AC	•	NSYCRP1W120VTVC
400/550	230 AC	•	NSYCRP1W230VTVC

NSYCR350W230VTVC



Resistance heaters

Power (W)	Voltage (V)	Connection type		Reference
		Terminal block	Cable	
10	12-24 DC		•	NSYCR10WU1
10	110-250 AC		•	NSYCR10WU2
20	12-24 DC		•	NSYCR20WU1
20	110-250 AC		•	NSYCR20WU2
20	270-420 AC	•		NSYCR20WU3
55	12-24 DC	•		NSYCR55WU1
55	110-250 AC	•		NSYCR55WU2
55	270-420 AC	•		NSYCR55WU3
90	12-24 DC	•		NSYCR100WU1
90	110-250 AC	•		NSYCR100WU2
90	270-420 AC	•		NSYCR100WU3
150	12-24 DC	•		NSYCR150WU1
150	110-250 AC	•		NSYCR150WU2
150	270-420 AC	•		NSYCR150WU3



NSYCRS200W230V

Resistance heaters with fan

Power (W)	Voltage (V)	Connection type Terminal block	Reference
250	115 AC	•	NSYCR250W115VV
250	230 AC	•	NSYCR250W230VV
400	115 AC	•	NSYCR400W115VV
400	230 AC	•	NSYCR400W230VV
200	115 AC	•	NSYCRS200W115V
200	230 AC	•	NSYCRS200W230V

7

Fixing accessories



NSYCRAFD



NSYCRAF

Description	Reference
Set of 5 studs	NSYCRAF
Set of 5 studs and DIN rail	NSYCRAFD

Thermal control

Selection guide mechanical version

Control temperature

Control a resistance heater or an alarm



NC thermostat

Setting range	Display	Contact	Application	Control element	Interrupting capacity (resistive load)	Reference
0...+60 °C	°C	O	Heat	Bimetal	30 W DC 120 V AC; 15 A 250 V AC; 10 A	NSYCCOTHC
+32...+140 °F	°F					NSYCCOTHCF

Control a fan or an alarm



NO thermostat

Setting range	Display	Contact	Application	Control element	Interrupting capacity (resistive load)	Reference
0...+60 °C	°C	NO	Ventilate	Bimetal	30 W DC 120 V AC; 15 A 250 V AC; 10 A	NSYCCOTH O
+32...+140 °F	°F					NSYCCOTHOF

Control a resistance heater and a fan



Double thermostat

Setting range	Display	Contact	Application	Control element	Interrupting capacity (resistive load)	Reference
0...+60 °C	°C	NC + NO	Heat / Ventilate	Bimetal	30 W DC 120 V AC; 15 A 250 V AC; 10 A	NSYCCOTH D
+32...+140 °F	°F					NSYCCOTHDF

Control a resistance heater or a fan



Thermostat with inverse contact

Setting range	Display	Contact	Application	Control element	Interrupting capacity (resistive load)	Reference
0...+60 °C	°C	Inverse	Heat or ventilate	Bimetal	Closing: 30 W DC 250 V AC; 5 A Opening: 30 W DC 250 V AC; 10 A	NSYCCOTH I
+32...+140 °F	°F					NSYCCOTHIF

Thermal control

Selection guide electronic version

Control temperature

Control a resistance heater or a fan



Electronic thermostat

Setting range	Display	Power input	Application	Control element	No. of relays	Interrupting capacity (resistive load)	Reference
+5 °C...+50 °C	°C or °F	9-30 V AC/DC	Heat or ventilate	Electronic	2	8 (5) A 230 V AC 5 A 30 V DC	NSYCCOTH30VID
		110-127 V AC					NSYCCOTH120VID
		220-240 V AC					NSYCCOTH230VID

7 different operating modes.
Option of installing one or two external sensors.

Control temperature and relative humidity



Electronic hygrotherm

Setting range	Display	Power input	Application	Control element	No. of relays	Interrupting capacity (resistive load)	Reference
+5 °C...+50 °C	°C or °F	9-30 V AC/DC	Heat or ventilate	Electronic	2	8 (5) A 230 V AC 5 A 30 V DC	NSYCCOHT30VID
		110-127 V AC					NSYCCOHT120VID
		220-240 V AC					NSYCCOHT230VID

3 different operating modes.
Option of installing an external sensor.

Control relative humidity



Electronic hygrostat

Setting range	Display	Power input	Application	Control element	No. of relays	Interrupting capacity (resistive load)	Reference
20%...80%	% RH	110-240 V AC	Heat or ventilate	Electronic	2	8 (5) A 230 V AC 5 A 30 V DC	NSYCCOHY230VID

2 different operating modes.

PTC external temperature sensor (double insulation)

- Length: 3 metres.
- Several types of fixings (on DIN rail, on Spacial SF profile, on VDI cross-rail, on mounting plate).
- Sensor operation or reading range: -30 °C...+80 °C.
- Protection rating: IP 67.

Reference

NSYCCAST



Temperature sensor

Thermostat installation tips:

The thermostat should be installed at the top of the enclosure (the hottest place). See the various operating modes of each thermostat to choose the one that best meets your needs.

Hygrostat installation tips:

The hygrostat should be installed at the bottom of the enclosure. 60% RH is the optimum value in the enclosure.

8

Technical annexes

Standard certifications

8/2

Degrees of protection: IK and IP

8/4

Material properties

8/6

Contact us on 0870 608 8 608 for more information on ATEX, electromagnetic compatibility, NEMA & UL classification

Enclosure certifications

Product certifications are awarded for enclosures as components.

Aim of the certification						
Range		International standard for electric power enclosures	Degrees of protection	Standards for industrial equipment and UL classification	Marine environment classification or approval for protection and resistance to vibrations	ATEX
		Standard/Directive				
		IEC 62208	IEC 60529	UL508A and CAN CSA C22-2 no. 14	Rules of certifying bodies	European directive no. 94/9/EC EN 60079-0 and -7 EN 61241-0 and -1
SPACIAL	SF	●		●	● ●	
	SM	●		●	● ●	
	SD		●			
	S3D	●		●	● ● ● ●	● (1)
	CRN	●		●	●	
	S44	●				
	S57	●				
	SFX	●		●		
	SMX	●		●		
	SDX		●			
	S3X	●		●	●	
THALASSA	PLA	●		●	●	● (1)
	PLD	●				
	PLM	●		●	●	● (1)
	PLS	●		●		
	TBS/TBP	●		●		
CLIMASYS	CV			●		

(1) ATEX certifications relate to an adapted part of the range. These ranges are distinguished by their EX endings.

Official certification body								
Bureau Veritas	LCIE (Bureau Veritas)	Bureau Veritas Marine Division	TUV Rheiland Group	Underwriters Laboratories	Laboratorio Oficial J.M. Madariaga	Det Norske Veritas	Germanischer Lloyd	Lloyd's Register
								
●	●	●	●	●	●	●	●	●

International enclosure standard

Standards IEC 62208*



Empty enclosures for low-voltage switchgear and controlgear assemblies. General rules.

Application

For empty enclosures before adding the user's switchgear, in the condition as supplied by the manufacturer.

Field of application

Demands for testing the enclosures to be used as part of the switchgear assemblies for voltages of less than 1000 V alternating current and 1500 V direct current.

Information supplied by the manufacturer

- Commercial trademark of the manufacturer: Schneider Electric.
- Mechanical characteristics, materials, conditions for use.
- Conditions for use:
Ambient air temperature for outdoor installations: -25 to $+40$ °C.
- Atmospheric conditions for outdoor installations: the humidity can temporarily reach 100% at a temperature of 25 °C.
- Transport and storage conditions: from -25 to $+55$ °C; for limited periods not exceeding 24 h: up to $+70$ °C.

* European standard EN 62208 is identical to IEC 62208. European countries publish this standard according to the body in each country (for example BS EN 62208 in the UK).



Standard tests of standard IEC 62208

- Static loads: test 1.25 x maximum admissible load during 1 hour.
- Lifting: applicable to enclosures with lifting accessories.
- Axial loads of metal inserts: 500 N for 10 seconds for M8 inserts.
- IK code: test according to standard IEC 62262 with pendulum impact tester. After testing, the enclosure keeps its IP rating.
- IP rating: test according to standard IEC 60529. Degree of protection against access to dangerous parts and the penetration of solid bodies and against the penetration of water.
- Thermal stability at a temperature of 70 °C: 7 days.
- Resistance to heat: ball test at 70 °C (1).
- Resistance to abnormal heat and to fire: glow wire test according to IEC 60695-2-10 and IEC 60695-2-11 (1).
- Dielectric strength: 5000 V (1).
- Protection circuit continuity (2): resistance not to exceed 0.1 ohm.
- Weather resistance: duration 500 h (cycle: rain 5 minutes + UV lamp 25 minutes).
- Corrosion resistance:
 - For indoor enclosures:
 - 6 cycles of 24 hours of the damp heat test at 40 °C and relative humidity of 95%.
 - 2 cycles of 24 hours of the salt mist test at 35 °C.
 - For outdoor enclosures:
 - 12 cycles of 24 hours of the damp heat test at 40 °C and relative humidity of 95%.
 - 14 cycles of 24 hours of the salt mist test at 35 °C.

Our empty enclosures are marked CE according to the Low-Voltage Directive (LVD). It is the responsibility of the final equipment manufacturer to respect regulations in force.

(1) Information required for enclosures made from insulating material.

(2) For metal enclosures.

Degrees of protection provided by enclosures

- The degrees of protection provided by the enclosures are defined by standards IEC 60529 (IP) and IEC 62262 (IK).
- Degrees of protection are indicated by the letters IP followed by two characteristic numerals. The numerals show the degree of protection offered by the enclosure against access to dangerous parts, the penetration of solid bodies (1st numeral), and against the penetration of liquids (2nd numeral).
- The protection against external mechanical impact is indicated by the letters IK followed by a characteristic group numeral.

Note: Many EN European standards are harmonised with international IEC standards.

This is the case with enclosure protection standards:

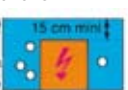
– EN 60529 = IEC 60529.

– EN 62262 = IEC 62262.

Note:

The IP ratings are not sufficient to determine the ability of an enclosure to withstand particular environments, e.g. weather in outside applications.

For further advice, contact us on
0870 608 8 608

First numeral Protection against solid bodies	IP Second numeral Protection against liquids	IK Mechanical protection
0 No protection 	0 No protection 	0 No protection 
1 Protected against solid bodies larger than 50 mm (e.g.: incidental contact with the hand) 	1 Protected against vertically falling water droplets (condensation) 	01 7,5 cm Impact energy: 0.150 Joules. 
2 Protected against solid bodies larger than 12 mm (e.g.: finger contact) 	2 Protected against water droplets deflected at up to 15° from vertical 	02 10 cm Impact energy: 0.200 Joules. 
3 Protected against solid bodies larger than 2.5 mm (tools, wires) 	3 Protected against rainwater at up to 60° from vertical 	03 17,5 cm Impact energy: 0.350 Joules. 
4 Protected against solid bodies larger than 1 mm (fine tools, small wires) 	4 Protection against water spray from all directions 	04 25 cm Impact energy: 0.500 Joules. 
5 Protected against dust (no harmful deposits) 	5 Protected against low-pressure water jets from all directions 	05 35 cm Impact energy: 0.700 Joules. 
6 Totally dust tight 	6 Protected against powerful water jets from all directions 	06 20 cm Impact energy: 1.00 Joules. 
	7 Protected against the effects of immersion 	07 40 cm Impact energy: 2.00 Joules. 
	8 Protected against prolonged effects of immersion under pressure 	08 29,5 cm Impact energy: 5.00 Joules. 
		09 20 cm Impact energy: 10.00 Joules. 
		10 40 cm Impact energy: 20.00 Joules. 

Selection according to the IP protection degrees.

The degrees of protection, explained on the preceding page, is an important element when selecting the enclosures.

The following table shows the protection degrees of the enclosures.

Name	Range	IP 40	IP 41	IP 42	IP 43	IP 44	IP 54	IP 55	IP 65	IP 66
Metal industrial boxes	Spacial S44 and S57									●
Metal derivation boxes	Spacial SDB							●		
	Spacial S3D							● (1)		●
Steel universal wall-mounting enclosures	Spacial CRN									●
	Spacial CRNG							● (1)		●
Steel modular distribution wall-mounting enclosures	Spacial S3DM									●
Terminal wall-mounting enclosures	Spacial S3DB									●
EMC steel wall-mounting enclosures	Spacial S3HF							●		
HMI steel wall-mounting enclosures	Spacial S3CM						●			
ATEX steel wall-mounting enclosures	Spacial S3DEX									●
Stainless-steel wall-mounting enclosures	Spacial S3X									●
ATEX stainless-steel wall-mounting enclosures	Spacial S3XEX									●
Steel floor-standing enclosures	Spacial SM							●		
Steel suitable enclosures	Spacial SF							●		
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									●
Polyester modular boxes	Thalassa PLS								●	
Polyester wall-mounting enclosures	Thalassa PLM									●
ATEX polyester wall-mounting enclosures	Thalassa PLMEX									●
Polyester floor-standing enclosures	Thalassa PLA (2)					●	●		●	
	Thalassa PLD				●		●(3)			

(1) Double door.

(2) Different IP depending on the version. See introduction in Thalassa PLA section.

(3) With gasket.

Selection according to the environment

The location of the enclosures and the physical, chemical and climatic conditions to which they are exposed will determine the model to be used.

- Steel enclosures are particularly well suited to indoor use in industrial environments.
- Stainless-steel enclosures are particularly well suited to corrosive environments or areas where specific hygiene demands are applicable.
- Polyester enclosures are particularly well suited to severe corrosive atmospheres, indoors or outdoors.

Enclosures made from insulating materials guarantee total insulation, reducing electric hazards for persons.

The main characteristics of the plastic materials of our enclosures and their chemical strength are given on page 8/7.

Properties of the plastic materials

Mechanical, electrical, physical and fire-resistance properties

Plastic materials generally used to manufacture our products:

- ABS.
- Polycarbonate.
- PVC (polyvinyl chloride).
- Bayblend® = PC + ABS.
- Polyester reinforced with fibreglass.
- Altuglas.
- Polypropylene.
- Polystyrene.
- Polyamide 6 and 12.
- SBS.

Specifications	Standards	Units	ABS	Polycarbonate	PVC	Bayblend®	Polyester	SBS
Mechanical properties								
Tensile strength	ISO 257	MPa	44	> 65	45	35	85	5
Tensile strain	ISO 527	%	12	> 110	120 to 150	40	0	600
Impact resistance	ISO 179	kJ/m²	125	No breakage	25	No breakage	60	No breakage
Notching resistance	ISO 179	kJ/m²	19	25	20	25	50	-
Electrical properties								
Stress point	IEC 60112	-	-	250-300	> 600	> 550	> 600	-
Surface strength	IEC 60093	ohm	1015	> 1015	> 1013	> 1014	>1012	> 1013
Dielectric strength	IEC 60243	kV/mm	16.5	> 30	30	24	18-20	20
Specific resistivity	IEC 60093	ohm³cm	1015	> 1016	> 1015	1016	> 1012	> 1016
Physical properties								
Softening temperature (Vicat B)	ISO 306	°C	95	145-150	79-80	115	(1)	80
Temperature resistance	-	°C	-40...+90	-50...+125	-20...+65	-35...+90	-50...+150	-40...+120
Water absorption	ISO 62	%	0.2 - 0.45	0.15	< 0.1	0.2	0.2	-
Specific weight	ISO 1183	kg/dm³	1.04	1.21	1.4	1.12	1.85	0.3 in 24 h
Fire resistance								
Oxygen index	ISO 4589	%	19	26	45-50	22	24.4	18
Glow wire resistance, 2 mm	IEC 60695-2	°C	650	960	960	750	960	750° (1.5 mm)
Glow wire resistance, 3 mm	IEC 60695-2	°C	650	960	960	750	960	NA

(1) No softening of the polyester.

Specifications	Standards	Units	Altuglas	Polypropylene	Polystyrene	Polyamide 6	Polyamide 12
Mechanical properties							
Tensile strength	ISO 257	MPa	30	35	24	40	30
Tensile strain	ISO 527	%	5	400	36	200	300
Impact resistance	ISO 179	kJ/m²	20	20	63	No breakage	No breakage
Notching resistance	ISO 179	kJ/m²	3	5	50	31.2	15
Electrical properties							
Stress point	IEC 60112	-	-	-	KB175	KB175	KB180
Surface strength	IEC 60093	ohm	> 1014	-	> 1013	1012	5 x 1010
Dielectric strength	IEC 60243	kV/mm	13-15	20	> 40	23	55
Specific resistivity	IEC 60093	ohm³cm	> 1015	> 1016	> 1015	1011	3 x 1011
Physical properties							
Softening temperature (Vicat B)	ISO 306	°C	120-122	75 (vicat A)	79	230	140
Temperature resistance	-	°C	-20...+80	-10...+80	-15...+60	-20...+100	-50...+125
Water absorption	ISO 62	%	< 0.5	0.1 in 24 h	0.1 in 24 h	1.6	1.5
Specific weight	ISO 1183	kg/dm³	1.18	0.91	1.06	1.14	1.03
Fire resistance							
Oxygen index	ISO 4589	%	18.5	18	18	24	22
Glow wire resistance, 2 mm	IEC 60695-2	°C	-	650	650	750	650
Glow wire resistance, 3 mm	IEC 60695-2	°C	960	650	650	850	650

Properties of the plastic materials

Resistance to chemical agents

The table shows:

- The concentration of the chemical agent in %; sat = saturation.
- The resistance of the material:
+: Resistant.
O: Limited resistance.
-: Not resistant.

Plastic materials generally used to manufacture our products:

- ABS.
- Polycarbonate.
- PVC (polyvinyl chloride).
- Bayblend® = PC + ABS.
- Polyester.
- Altuglas.
- Polypropylene.
- Polystyrene.
- Polyamide 6 and 12.
- SBS.

Resistance to	ABS	Polycarbonate	PVC	Bayblend®	Polyester	Altuglas	Polypropylene	Polystyrene	Polyamide 6	Polyamide 12	SBS
Acetone	-	-	-	-	-	O	100 +	-	100 +	+	+
Hydrochloric acid	15 +	10 +	30 +	20 +	30 +	sat +	10 +	O	10 -	10 +	10 +
Citric acid		10 +	sat +	10 +	100 +	sat +	sat +	+	10 O	+	10 +
Lactic acid	80 +	10 +	90 +	10 -	100 +	20 +	90 +	O	50 O 90 -	+	sat +
Nitric acid	30 +	10 + 100 -	50 +	10 +	20 + +	10 + 100 -	25/ 50	O	2 O 10 -	-	50 +
Phosphoric acid	85 +	100 +	sat +	+	100 +	10 + 95 -	sat +	O	2 O 10 -	50 +	+
Sulphuric acid	50 +	50 + 100 -	96 +	30 +	70 +	30 +	96 +	O	3 -	10 +	96 +
Alcohol	O	96 +	96 +	-	50 O	50 O	96 +	+	96 O	96 +	+
Pure aniline	O	-	100 -	-	O	-	100 +		100 O	100 O	
Mineral base (hydroxide)		O	10 +	-	100 +	10 +	50 +	O	10 + 50 O	50 O	
Benzene	+	100 -	-	+	-	O	100 O		100 +	+	-
Liquid bromine		100 -	-	-			100 -			100 -	-
Liquid chlorine		-	100 -	-	sat +	-	100 -		100 O	-	50 +
Sea water	+	100 +	100 +	+	100 +	100 +	-	100 +		100 +	sat +
Petrol	+	100 +	100 O	-	100 +	100 O	-	-	100 +	+	-
Ether	-	100 O	100 -	-	100 O	+			100 +	100 +	-
Hexane	O	+	O	O	-		100 +		100 +	100 +	-
Oil and greases	+	100 +	100 +	O	100 +	100 O	100 +	-	+	100 +	-
Aromatic hydrocarbon	O	-	-	-	-	+	-	-	-	+	-
Fuel oil	O	100 O	100 +	-	100 +	100 -	100 +		100 +	100 +	-
Naphthalene			100 O	-	100 +	100 -	100 +		100 +	100 +	
Nitrobenzene	-	-	100 -	-		-	100 O		-	O	-
Phenol	-	-	sat O	-	20 O	-	sat +		-	-	10 O
Mineral salts		+	+	+	+	+	+			+	+
Iodine solution		O	-	+		-			+		
Toluene	-	-	100 -	-	+	O	100 O	-	100 +	100 +	-
Trichloroethylene	-	-	100 -	-	-	-	100 O	-	100 -	100 O	-
Urea		sat +	sat +	+			sat +		10 +	sat +	sat O

For other chemical agents, please contact us.

All this information is taken from the best sources and provided for information purposes only, with no commitment on our behalf.

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