

2

Steel wall-mounting enclosures

Spacial CRN - CRNG Steel wall-mounting enclosures 2/2



Dimensions 2/9

Selection guide 2/14

Accessories 2/18

Applications 2/33

Selection guide 2/34



Spacial S3DB Terminal enclosures 2/36



Spacial S3DBFL Terminal enclosures with FL21 cut-out 2/38



Spacial S3DM Distribution modular enclosures 2/40



Spacial VDM 19" enclosures 2/42



Spacial S3DEX for potentially explosive atmospheres (ATEX) 2/50



Spacial S3HF Electromagnetic protected enclosures 2/54



Spacial S3CM Human-machine dialogue 2/56

Spacial CRN and CRNG wall-mounting steel enclosures suitable for any application

2

Time Lasting

- Industrial welding process.
- Epoxy-polyester painting.
- Foamed-in polyurethane gasket.

All of the above guarantees quality, water and dust tightness for years.

Water and Dust Tightness

Front folded gutter prevents the entry of water, oil or liquids, ensuring IP66 protection.

Safety

For people:

- Two welded M6 × 15 earth studs welded to the back and one M6 × 15 stud on the door.

For your installation:

- Water and dust tightness IP66.
- Ruggedness IK10 to protect your component from external impact
- Hidden hinges to prevent the removal of the door.

Convenient

- Large embedded cable-entry plate with a neoprene seal, flush with the back of the enclosure.
- Direct fixing or using the brackets fixed from outside.

Practical

4 welded M8 × 15 back studs shouldered 10 mm for direct installation of mounting plate.

Smart

Welded door reinforcement profile allowing the fixing of equipment in models from 500 mm high.

Sealed

Glazed tempered-glass door and fully water and dust tight, maintaining IP 66 and IK 08 protection.

**New aesthetics**

- Enclosure in light grey RAL 7035
- Black lock to fit all your applications.



Save time by having your accessories mounted in the factory!
To find out more about our configured offer, please contact us



Universal offer

Introduction

You need an enclosure for indoor non-clean industrial environment.

- Our answer:
The Spacial steel range.

You need an enclosure for demanding industrial environment.

- Our answer:
The Spacial stainless-steel range.

You need an enclosure for infrastructure and harsh industrial environments.

- Our answer:
The Thalassa polyester range.

Spacial CRN

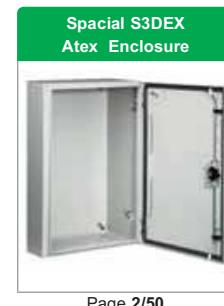
- A complete offer with 39 dimensions from $200 \times 200 \times 150$ to $1000 \times 800 \times 300$:
 - With plain door, without plain mounting plate.
 - With plain door and plain mounting plate.
 - With glazed door, without plain mounting plate.
- Degree of protection IP 66.
- Compliance with standard IEC 62208.
- A wide range of accessories to fit to all your applications.

Spacial CRNG

- A complete three-point locking system offer with 17 dimensions from $800 \times 600 \times 400$ to $1400 \times 1000 \times 300$ (mm):
 - With plain door without chassis.
 - With glazed door, without plain chassis.
- Degree of protection IP 66 (IP 55 for 2-door enclosures).
- Compliance with standard IEC 62208.
- A wide range of accessories to fit to all your applications.



For harsh atmospheres



Customised offer

Introduction

2

Enclosures adapted to your needs

At your request Spacial CRN enclosures are delivered with

- Colour of your choice.
- Customised dimensions.
- Pre-mounted accessories.
- Machining.
- Addition or removal of components.
- Special finishes (zinc chromate, plating, etc.).

Our offer includes

- Wall-mounting enclosures with a high-performance service.
- Time saving allows you to focus on your cabling, we take care of cut-outs and the mounting of accessories.
- Simple: one order, one delivery.
- Optimised management and material reception.
- Quality cut-outs.

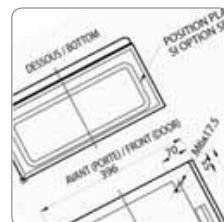


Get a RAL 7032 enclosure thanks to our configured offer!

Wall-mounting enclosures with the answer to your special needs	
 Configured	 Specific

Discover our communication tools to define your customised product

--	--



Download our DXF diagrams from our website.

Spacial steel enclosure application offer

Introduction

Spacial S3DB

- 10 dimensions with a depth of 150 mm and plain door.
- Ready to be equipped with a ladder mounting plate and a symmetrical DIN rail (to be ordered separately).
- IP 66.



Spacial S3DM

- 8 dimensions with a depth of 150 mm and glazed door.
- Ready for being equipped with a modular mounting plate (to be ordered separately).
- 10 references of mounting plates with 24 to 240 modules.
- Earth connection installed.
- Top and bottom cable-gland plates.
- IP 66.



Spacial S3CM

- 8 dimensions for the control enclosures.
- 1 keyboard box.
- 1 system of arms and fixed or rotating joints, support and lighting accessories.
- IP 54.



Spacial steel enclosure application offer

Introduction

2

Enclosure equipped with Spacial VDM 19" uprights

- 5 enclosures with fixed rack from 5 to 17 U.
- 5 enclosures with swing rack from 4 to 16 U.
- Ten 2-body enclosures, depths 400 and 500 mm.
- IP 66.



Page 2/42



For difficult atmospheres



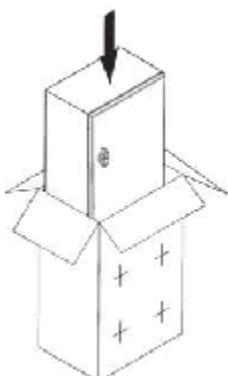
Page 6/16



Page 2/50

Wall-mounting steel enclosures

Introduction



Delivered in reusable and ecological packaging.
Technical instruction sheet included.

Technical characteristics

- 39 dimensions for this metal monobloc construction suite of enclosures with sides made from a single folded section. Back piece joined to the sides using a special profile forming a protected sealed area. Both externally and internally painted with textured RAL 7035 grey epoxy-polyester resin.
- Given their strength, metal enclosures are particularly well suited to indoor areas where they may experience impacts.
- Selection guide: Page 2/14.

Description

- IP 66 for one-door enclosures according to IEC 60529.
- IK 10 for plain door according to IEC 62262.
- IK 08 for glazed door according to IEC 62262.

Body

- 4 holes for direct fixing.
- Wall-fixing drill holes sealed with plastic plugs to ensure the degree of protection (supplied as standard).
- Wall-fixing bracket fixed from outside (brackets to be ordered separately).
- Direct cable entry.
- Built-in cable-entry plate, flush with the back of the enclosure (without foamed-in gasket to facilitate machining).
- Insulated cable entries with knock-outs, available as an accessory.
- Easy to equip with 4 welded back studs shouldered 10 mm.

Door

- Monobloc construction with a punched metal door (not welded).
- 3-mm standard double-bar lock as standard. See page 2/26 (Wide choice of inserts as accessories).
- Foamed-in polyurethane gasket on the doors to guarantee water and dust tightness for many years.
- Easily reversible door, fixed with two or three invisible hinges allowing the door to open to 120°.
- Reinforcement on plain doors with perforated door profiles for equipment fixing from models NSYCRN54150.
- Metal hinges - Easily reversible door.
- Welded earth studs on door and body.
- Delivered with a reusable packaging and technical instructions.

Certificates

- Compliance with European enclosure standard 62208.
- UL, CUL.
- NEMA 4 for single-door enclosure according to NEMA 250.
- NEMA 12, 12K and 13 for double-door enclosure according to NEMA 250.
- RoHS compliance.

A Enclosure height
 B Enclosure width
 C Enclosure depth

Fig. 1

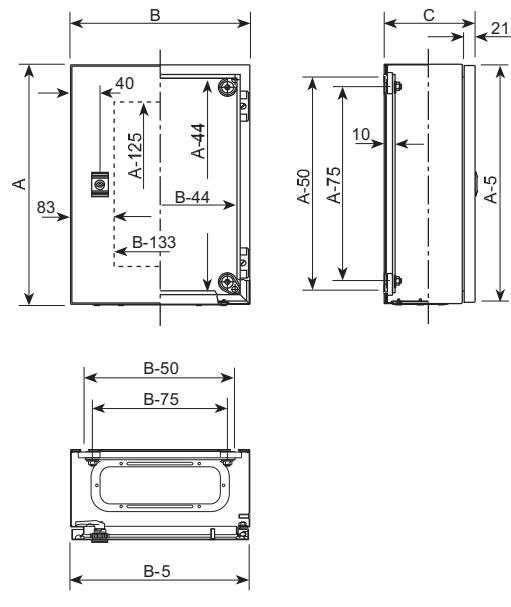
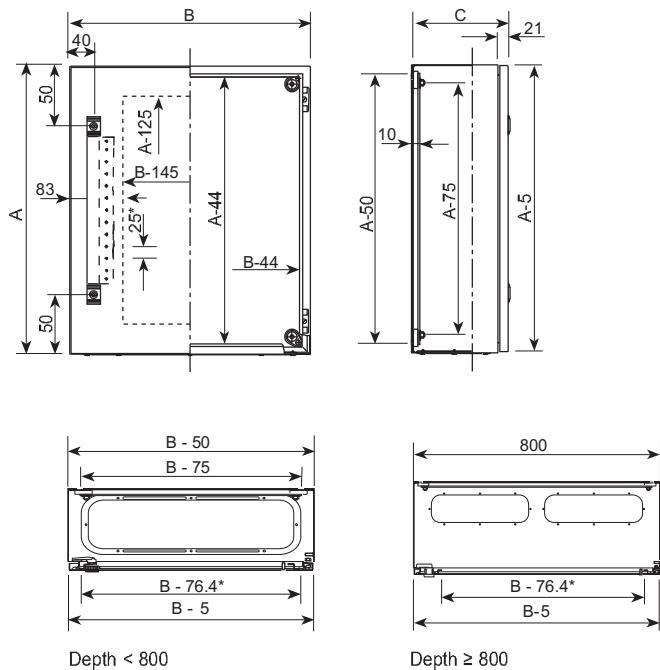
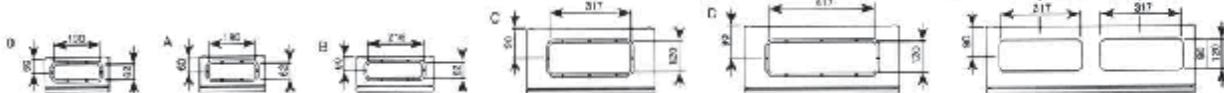


Fig. 2



2

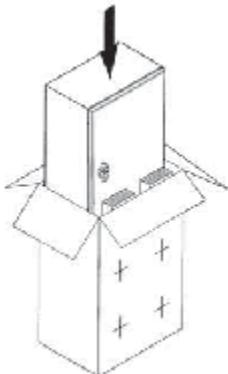
Spacial CRN cable entry dimensions and type:



None of the T
 glazed-door
 enclosures have door
 reinforcement profiles.



Our DXF diagrams
 and technical
 instruction sheets can
 be downloaded from
 our websites.



Delivered in reusable and ecological packaging.
Technical instruction sheet included.

Wall-mounting steel enclosures with three-point locking system

Introduction

Technical characteristics

- 15 dimensions with three-point locking system for this metal construction suite of enclosures made from a single cross-shaped folded section. Both externally and internally painted with textured RAL 7035 grey epoxy-polyester resin. All Spacial CRNG models include a three-point locking system.
- Given their strength, metal enclosures are particularly well suited to indoor areas where they may experience impacts.
- Selection guide: page 2/14.

Description

- IP 66 for one-door enclosures, IP55 for two-door enclosures according to IEC 60529.
- IK 10 for plain door according to IEC 62262.
- IK 08 for glazed door according to IEC 62262.

Body

- 4 holes for direct fixing.
- Wall-fixing drill holes sealed with plastic plugs to ensure water and dust tightness (supplied as standard).
- Wall-fixing bracket fixed from outside, specific for large dimensions (to be ordered separately). See on page 2/20.
- Built-in cable-entry plate, flush with the back of the enclosure (without foamed-in gasket to facilitate machining).
- Easy to equip with 4 welded back studs shouldered 10 mm (6 for widths of 1000 and 1200).
- Welded earth studs on door and body.

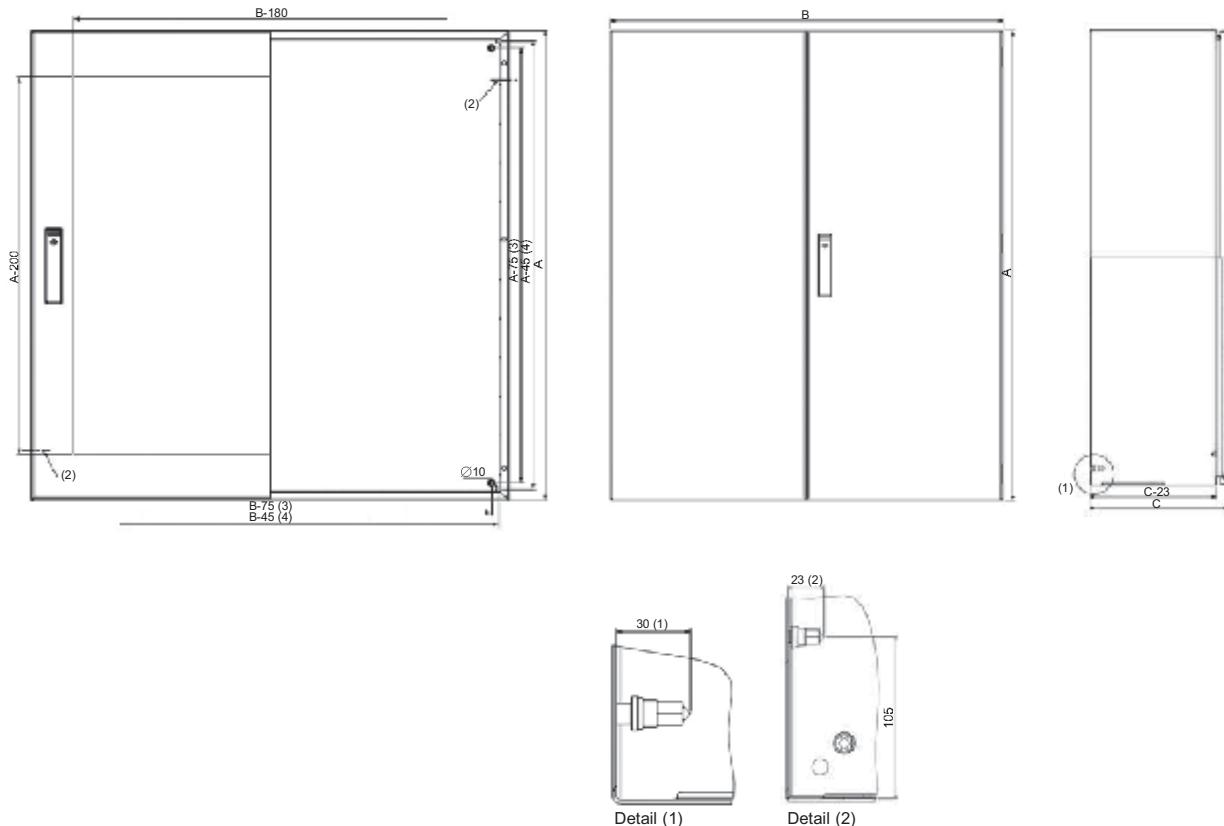
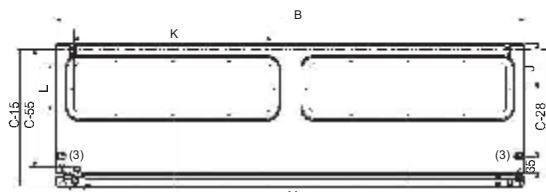
Door

- Three-point locking system for one and two doors. Standard 5-mm double-bar lock.
- Metal hinges - Easily reversible door.
- Door-centring piece on two-door enclosures to ensure proper door alignment.
- Foamed-in polyurethane gasket on the doors to guarantee water and dust tightness for many years.
- Delivered with a reusable packaging and technical instructions.

Certificates

- Compliance with European enclosure standard IEC 62208.
- UL, CUL.
- NEMA 4 for single-door enclosure according to NEMA 250.
- NEMA 12, 12K and 13 for double-door enclosure according to NEMA 250.
- RoHS compliance.

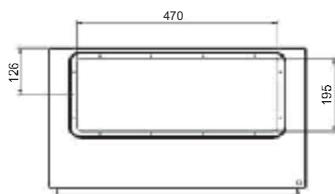
A Enclosure height
 B Enclosure width
 C Enclosure depth

Cable entry type H: enclosure width ≥ 800 mm

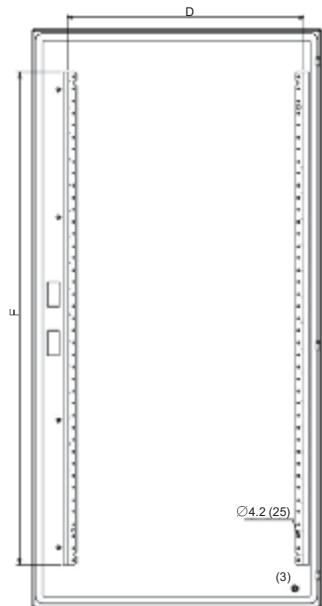
Enclosure					
Width (B)	Depth (C)	J	K	L	M
600	300-400	126	470	195	-
800	300-400	95	320	105	400
1000 (5)	300	125	420	105	500
1000	300-400	95	420	105	500
1200	300	95	420	105	500
1200	400	125	420	105	600

- (1) Four M8 \times 25 back studs.
- (2) Two M6 \times 17.5 earth studs.
- (3) Spacing between the studs.
- (4) Spacing between the perforations for direct fixing.
- (5) Only models 1400 \times 1000 \times 300.

Cable entry type G: enclosure width 600 mm



Dimensions



Dimensions of the door-reinforcement profiles (1).

1-door enclosure		Reinforcement profile	
Height (A)	Width (B)	F	D
800	600	620	487
1000	600	820	487
1000	800	820	687
1200	600	1020	480
1200	800	1020	687

Height (A)	Width (B)	Reinforcement profile	
		Rt. Door	Lft. Door
F	D	F	D
800	1000	620	387
800	1200	620	487
1000	1000	820	387
1000	1200	820	487
1200	1000	1020	387
1200	1200	1020	487
1400	1000	1020	387
		1020	437

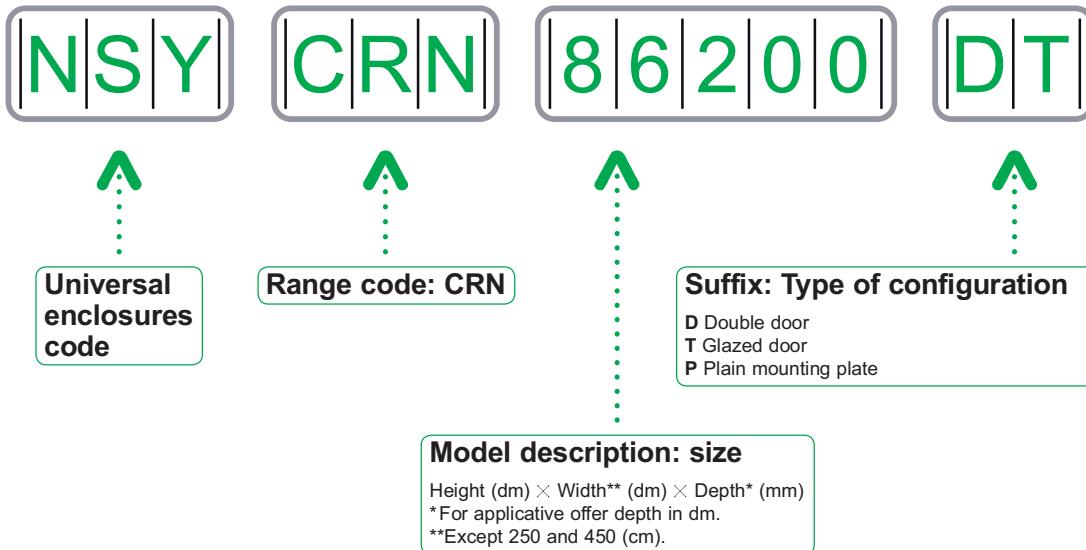
(1) The T doors only include vertical profiles.

(2) 25-mm passage.

(3) 1 M6 × 17.5 earth stud.



Download our DXF
diagrams from our
website.



References are based on the enclosure dimension, this allows you to quickly select the best choice for your installation.

Example:

- You need a Spacial **CRN** wall-mounting enclosure.
- Height **600** × Width **400** × Depth **200** mm.



The reference will be **NSYCRN64200**.



You only know the dimension of the enclosure you need. It's easy now to build our reference.

Example:

- You need a Spacial steel wall-mounting enclosure.
- Height **500** × Width **500** × Depth **250** mm with a **T** transparent door (**T**).
- Our steel wall mounting enclosure is the Spacial **CRN**.



The reference will be **NSYCRN55250T**.

Save time and avoid mistakes by checking your enclosure reference to order the right accessory.

Example:

- You need a plain mounting plate for a Spacial **CRN** enclosure.
- Your enclosure reference is **NSY64250**.
- The code for a plain mounting plate: **NSYMM**.



The mounting plate reference will be **NSYMM64**.

Wall-mounting steel enclosures

Selection guide



CRN Wall-mounting steel enclosures												
Dimensions			No. of doors	IP	Weight (1)	Plain door with mounting plate	Plain door without mounting plate	Glazed door without mounting plate	Plain	Silkscreened	Microperforated	
H	W	D										
200	200	150	1	66	2.5	-	NSYCRN22150 (2)	-	NSYMM22	-	-	
200	300	150	1	66	3.9	-	NSYCRN23150 (2)	-	NSYMM32	-	NSYMF32	
250	200	150	1	66	3.2	NSYCRN252150P	NSYCRN252150	-	NSYMM2520	-	-	
300	250	150	1	66	4.2	NSYCRN325150P	NSYCRN325150	NSYCRN325150T	NSYCRN3025	-	-	
300	250	200	1	66	4.9	NSYCRN325200P	NSYCRN325200	NSYCRN325200T	NSYMM3025	-	-	
300	300	150	1	66	5	NSYCRN33150P	NSYCRN33150	NSYCRN33150T	NSYMM33	-	NSYMF33	
300	300	200	1	66	6	NSYCRN33200P	NSYCRN33200	NSYCRN33200T	NSYMM33	-	NSYMF33	
300	400	200	1	66	6.4	-	NSYCRN34200	NSYCRN34200T	NSYMM43	NSYMS43	NSYMF43	
300	450	150	1	66	6.7	-	NSYCRN345150 (2)	-	NSYMM3045	-	-	
400	300	150	1	66	6	NSYCRN43150P	NSYCRN43150	NSYCRN43150T	NSYMM43	NSYMS43	NSYMF43	
400	300	200	1	66	6.8	NSYCRN43200P	NSYCRN43200	NSYCRN43200T	NSYMM43	NSYMS43	NSYMF43	
400	400	200	1	66	8	NSYCRN44200P	NSYCRN44200	NSYCRN44200T	NSYMM44	NSYMS44	NSYMF44	
400	600	250	1	66	10	NSYCRN46250P	NSYCRN46250	NSYCRN46250T	NSYMM64	NSYMS64	NSYMF64	
400	600	300	1	66	11.2	NSYCRN46300P	NSYCRN46300	NSYCRN46300T	NSYMM64	NSYMS64	NSYMF64	
500	400	150	1	66	8.7	NSYCRN54150P	NSYCRN54150	NSYCRN54150T	NSYMM54	NSYMS54	NSYMF54	
500	400	200	1	66	9.8	NSYCRN54200P	NSYCRN54200	NSYCRN54200T	NSYMM54	NSYMS54	NSYMF54	
500	400	250	1	66	11	NSYCRN54250P	NSYCRN54250	NSYCRN54250T	NSYMM54	NSYMS54	NSYMF54	
500	500	250	1	66	12.8	NSYCRN55250P	NSYCRN55250	NSYCRN55250T	NSYMM55	NSYMS55	NSYMF55	
600	400	150	1	66	9.3	NSYCRN64150P	NSYCRN64150	NSYCRN64150T	NSYMM64	NSYMS64	NSYMF64	
600	400	200	1	66	10.8	NSYCRN64200P	NSYCRN64200	NSYCRN64200T	NSYMM64	NSYMS64	NSYMF64	
600	400	250	1	66	12.3	NSYCRN64250P	NSYCRN64250	NSYCRN64250T	NSYMM64	NSYMS64	NSYMF64	
600	500	150	1	66	11.3	NSYCRN65150P	NSYCRN65150	NSYCRN65150T	NSYMM65	-	NSYMF65	
600	500	200	1	66	14.3	NSYCRN65200P	NSYCRN65200	NSYCRN65200T	NSYMM65	-	NSYMF65	
600	500	250	1	66	16.2	NSYCRN65250P	NSYCRN65250	NSYCRN65250T	NSYMM65	-	NSYMF65	
600	600	200	1	66	16.3	-	NSYCRN66200	NSYCRN66200T	NSYMM66	NSYMS66	NSYMF66	
600	600	250	1	66	18.2	NSYCRN66250P	NSYCRN66250	NSYCRN66250T	NSYMM66	NSYMS66	NSYMF66	
600	600	300	1	66	19.8	NSYCRN66300P	NSYCRN66300	NSYCRN66300T	NSYMM66	NSYMS66	NSYMF66	
600	800	300	1	66	26	-	NSYCRN68300	NSYCRN68300T	NSYMM86	NSYMS86	NSYMF86	
700	500	200	1	66	17.3	NSYCRN75200P	NSYCRN75200	NSYCRN75200T	NSYMM75	NSYMS75	NSYMF75	
700	500	250	1	66	19.3	NSYCRN75250P	NSYCRN75250	NSYCRN75250T	NSYMM75	NSYMS75	NSYMF75	
800	600	200	1	66	21.8	NSYCRN86200P	NSYCRN86200	NSYCRN86200T	NSYMM86	NSYMS86	NSYMF86	
800	600	250	1	66	24.8	NSYCRN86250P	NSYCRN86250	NSYCRN86250T	NSYMM86	NSYMS86	NSYMF86	
800	600	300	1	66	26.3	NSYCRN86300P	NSYCRN86300	NSYCRN86300T	NSYMM86	NSYMS86	NSYMF86	
800	800	200	1	66	29.5	NSYCRN88200P	NSYCRN88200	NSYCRN88200T	NSYMM88	-	NSYMF88	
800	800	300	1	66	32.5	NSYCRN88300P	NSYCRN88300	NSYCRN88300T	NSYMM86	-	NSYMF88	
1000	600	250	1	66	28.4	NSYCRN106250P	NSYCRN106250	NSYCRN106250T	NSYMM106	-	NSYMF106	
1000	600	300	1	66	30.6	NSYCRN106300P	NSYCRN106300	NSYCRN106300T	NSYMM106	-	NSYMF106	
1000	800	250	1	66	34.5	NSYCRN108250P	NSYCRN108250	NSYCRN108250T	NSYMM108	-	NSYMF108	
1000	800	300	1	66	37.4	NSYCRN108300P	NSYCRN108300	NSYCRN108300T	NSYMM108	-	NSYMF108	
CRNG Wall-mounting steel enclosures with three-point locking system												
800	600	400	1	66	30	-	NSYCRNG86400	NSYCRNG86400T	NSYMM86	NSYMS86	NSYMF86	
800	1000	300	2	55	40	-	NSYCRNG810300D	-	NSYMM108	-	NSYMF108	
800	1200	300	2	55	46	-	NSYCRNG812300D	-	NSYMM128	-	NSYMF128	
1000	600	400	1	66	36	-	NSYCRNG106400	NSYCRNG106400T	NSYMM106	-	NSYMF106	
1000	800	400	1	66	43	-	NSYCRNG108400	NSYCRNG108400T	NSYMM108	-	NSYMF108	
1000	1000	300	2	55	47	-	NSYCRNG1010300D	NSYCRNG1010300T	NSYMM1010	-	NSYMF1010	
1000	1200	300	2	55	55	-	NSYCRNG1012300D	-	NSYMM1210	-	NSYMF1210	
1000	1200	400	2	55	60	-	NSYCRNG1012400D	-	NSYMM1210	-	NSYMF1210	
1200	600	300	1	66	37	-	NSYCRNG126300	NSYCRNG126300T	NSYMM126	-	NSYMF126	
1200	600	400	1	66	42	-	NSYCRNG126400	NSYCRNG126400T	NSYMM126	-	NSYMF126	
1200	800	300	1	66	45	-	NSYCRNG128300	NSYCRNG128300T	NSYMM128	-	NSYMF128	
1200	800	400	1	66	50	-	NSYCRNG128400	NSYCRNG128400T	NSYMM128	-	NSYMF128	
1200	1000	300	2	55	56	-	NSYCRNG1210300D	-	NSYMM1210	-	NSYMF1210	
1200	1000	400	2	55	61	-	NSYCRNG1210400D	-	NSYMM1210	-	NSYMF1210	
1200	1200	300	2	55	64	-	NSYCRNG1212300D	-	NSYMM1212	-	2 × NSYMF126	
1200	1200	400	2	55	90	-	NSYCRNG1212400D	-	NSYMM1212	-	2 × NSYMF126	
1400	1000	300	2	55	80	-	NSYCRNG1410300D	-	NSYMM1410	-	-	

(1) Enclosure without mounting plate.

(2) Two cable gland plates, one on the top, one on the bottom.

Spacial CRN - CRNG



2

	Telequick	Bakelite	DIN rails chassis	Step slides	Cable entry				
					Figure	Type of cable entry	Standard cable-gland plate	Insulated cable-gland plate	Cable-gland plate with FL21 cut-out
	Page 7/4	Page 7/5	Page 7/6	Page 7/7			Page 2/31	Page 2/29	Page 2/28
	-	-	-	-	1	0	NSYTLCRNO	-	-
	-	NSYMB32	-	-	1	B	NSYTLCRNB	-	-
	-	-	-	-	1	0	NSYTLCRNO	-	-
NSYMR3025	NSYMB3025	-	-	-	1	A	NSYTLCRNA	NSYTSACRNA	-
NSYMR3025	NSYMB3025	-	NSYSDCR200	1	A	NSYTLCRNA	NSYTSACRNA	-	-
NSYMR33	NSYMB33	NSYMD33	-	1	B	NSYTLCRNB	NSYTSACRN	-	-
NSYMR33	NSYMB33	NSYMD33	NSYSDCR200	1	B	NSYTLCRNB	NSYTSACRN	-	-
NSYMR34	NSYMB43	-	NSYSDCR200	1	C	NSYTLCRNC	NSYTSACRN	NSYTFL21CRNC	-
	NSYMB43	-	-	1	B	NSYTLCRNB	NSYTSACRN	-	-
NSYMR43	NSYMB43	NSYMD43	-	1	B	NSYTLCRNB	NSYTSACRN	-	-
NSYMR43	NSYMB43	NSYMD43	NSYSDCR200	1	B	NSYTLCRNB	NSYTSACRN	-	-
NSYMR44	-	-	NSYSDCR200	1	C	NSYTLCRNC	NSYTSACRN	NSYTFL21CRNC	-
NSYMR46	NSYMB64	-	NSYSDCR250	1	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR46	NSYMB64	-	NSYSDCR300	1	D	NSYTLCRND	NSYTSACRN	-	-
NSYMR54	NSYMB54	NSYMD54	-	2	B	NSYTLCRNB	NSYTSACRN	-	-
NSYMR54	NSYMB54	NSYMD54	NSYSDCR200	2	C	NSYTLCRNC	NSYTSACRN	NSYTFL21CRNC	-
NSYMR54	NSYMB54	NSYMD54	NSYSDCR250	2	C	NSYTLCRNC	NSYTSACRN	NSYTFL21CRNC	-
NSYMR55	-	-	NSYSDCR250	2	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR64	NSYMB64	NSYMD64	-	2	B	NSYTLCRNB	NSYTSACRN	-	-
NSYMR64	NSYMB64	NSYMD64	NSYSDCR200	2	C	NSYTLCRNC	NSYTSACRN	NSYTFL21CRNC	-
NSYMR64	NSYMB64	NSYMD64	NSYSDCR250	2	C	NSYTLCRNC	NSYTSACRN	NSYTFL21CRNC	-
NSYMR65	NSYMB65	-	-	2	B	NSYTLCRNB	NSYTSACRN	-	-
NSYMR65	NSYMB65	NSYMD64	NSYSDCR200	2	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR65	NSYMB65	NSYMD64	NSYSDCR250	2	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR66	-	NSYMD66	NSYSDCR200	2	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR66	-	NSYMD66	NSYSDCR250	2	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR66	-	NSYMD66	NSYSDCR300	2	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR68	-	-	NSYSDCR300	2	E	NSYTLCRNC (3)	NSYTSACRN	NSYTFL21CRNC	-
NSYMR75	NSYMB75	NSYMD75	NSYSDCR200	2	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR75	NSYMB75	NSYMD75	NSYSDCR250	2	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR86	NSYMB86	NSYMD86	NSYSDCR200	2	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR86	NSYMB86	NSYMD86	NSYSDCR250	2	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR86	NSYMB86	NSYMD86	NSYSDCR300	2	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR88	-	-	NSYSDCR200	2	E	NSYTLCRNC (3)	NSYTSACRN (4)	NSYTFL21CRNC	-
NSYMR88	-	-	NSYSDCR300	2	E	NSYTLCRNC (3)	NSYTSACRN (4)	NSYTFL21CRNC	-
NSYMR106	NSYMB106	-	NSYSDCR250	2	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR106	NSYMB106	-	NSYSDCR300	2	D	NSYTLCRND	NSYTSACRN	NSYTFL21CRND	-
NSYMR108	NSYMB108	NSYMD108	NSYSDCR250	2	E	NSYTLCRNC (3)	NSYTSACRN (4)	NSYTFL21CRNC	-
NSYMR108	NSYMB108	NSYMD108	NSYSDCR300	2	E	NSYTLCRNC (3)	NSYTSACRN (4)	NSYTFL21CRNC	-
NSYMR140	-	-	NSYSDCR300	4	G	NSYTL	-	NSYTL	-
NSYMR86	NSYMB86	NSYMD86	NSYSDCR400	3	G	NSYLG	-	NSYLG2FL	-
NSYMR10	-	-	NSYSDCR300	4	G	NSYTL	-	NSYTL	-
2 × NSYMR86*	-	-	NSYSDCR300**	4	G	NSYTL	-	NSYTL	-
NSYMR106	NSYMB106	-	NSYSDCR400	3	G	NSYLG	-	NSYLG2FL	-
NSYMR108	NSYMB108	NSYMD108	NSYSDCR400	3	G	NSYLD	-	NSYLD	-
NSYMR1010	NSYMB1210	-	NSYSDCR300	4	G	NSYTL	-	NSYTL	-
NSYMR1012	NSYMB1210	-	NSYSDCR300**	4	G	NSYTL	-	NSYTL	-
NSYMR1012	-	-	NSYSDCR400**	4	G	NSYTL	-	NSYTL	-
NSYMR126	-	-	NSYSDCR300	3	G	NSYLG	-	NSYLG2FL	-
NSYMR126	-	-	NSYSDCR400	3	G	NSYLG	-	NSYLG2FL	-
NSYMR128	-	NSYMD128	NSYSDCR300	3	G	NSYLD	-	NSYLD	-
NSYMR128	-	NSYMD128	NSYSDCR400	4	G	NSYLD	-	NSYLD	-
NSYMR1210	NSYMB1210	-	NSYSDCR300	4	G	NSYTL	-	NSYTL	-
NSYMR1210	NSYMB1210	-	NSYSDCR400	4	G	NSYTL	-	NSYTL	-
2 × NSYMR126	-	-	NSYSDCR300**	4	G	NSYTL	-	NSYTL	-
2 × NSYMR126	-	-	NSYSDCR400**	4	G	NSYTL	-	NSYTL	-
NSYMR1410	-	-	NSYSDCR300	4	G	NSYTL	-	NSYTL	-

(3) With two holes.

(4) For flange openings type E, two NSYTSACRN are required.

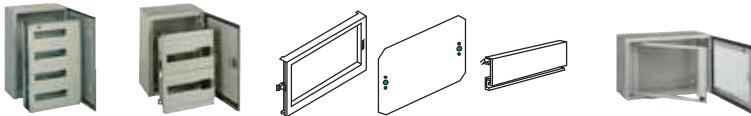
*Order NSYCRNGSDR to mount double mounting plate.

**Except for double mounting plate, order in addition

ref. NSYSRSDCR300 (D300) or NSYSRSDCR400 (D400).

Wall-mounting steel enclosures

Selection guide

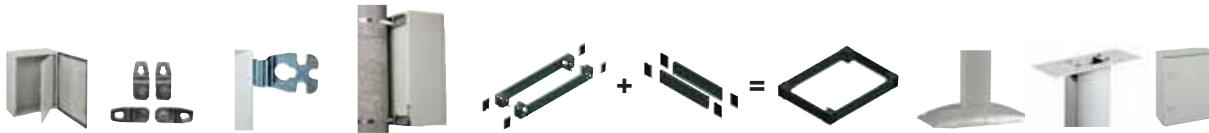


CRN Wall-mounting steel enclosures													
Dimensions			No. of doors	IP	Weight (1)	Electric distribution					Electronic and network		
H	W	D				DLA insulated distribution chassis	DL metal distribution chassis	DLM metal distribution chassis	Plain cover plate	Mounting plate	Blanking plate	Fixed 19" rack	Swing 19" rack
200	200	150	1	66	2.5	-	-	-	-	-	-	-	-
200	300	150	1	66	3.9	-	-	-	-	-	-	-	-
250	200	150	1	66	3.2	-	-	-	-	-	-	-	-
300	250	150	1	66	4.2	NSYDPLM18	NSYDLCR18	-	-	-	-	-	-
300	250	200	1	66	4.9	NSYDPLM18	NSYDLCR18	-	-	-	-	-	-
300	300	150	1	66	5	-	-	-	-	-	-	-	-
300	300	200	1	66	6	-	-	-	-	-	-	-	-
300	400	200	1	66	6.4	-	-	-	-	-	-	-	-
300	450	150	1	66	6.7	-	-	-	-	-	-	-	-
400	300	150	1	66	6	NSYDLA24	NSYDLCR24/ NSYDLCR36	NSYDLM24	NSYCTL300DLM	NSYPMP300DLM	NSYATP72G	-	-
400	300	200	1	66	6.8	NSYDLA24	NSYDLCR24* (2)/ NSYDLCR36* (2)	NSYDLM24	NSYCTL300DLM	NSYPMP300DLM	NSYATP72G	-	-
400	400	200	1	66	8	-	-	-	-	-	-	-	-
400	600	250	1	66	10	-	-	-	-	-	-	NSYVDM8UF	NSYVDM7UP
400	600	300	1	66	11.2	-	-	-	-	-	-	NSYVDM8UF	NSYVDM7UP
500	400	150	1	66	8.7	NSYDLA48	NSYDLCR48	NSYDLM48	NSYCTL400DLM	NSYPMP400DLM	NSYATP72G	-	-
500	400	200	1	66	9.8	NSYDLA48	NSYDLCR48* (2)	NSYDLM48	NSYCTL400DLM	NSYPMP400DLM	NSYATP72G	-	-
500	400	250	1	66	11	NSYDLA48	-	NSYDLM48	NSYCTL400DLM	NSYPMP400DLM	NSYATP72G	-	-
500	500	250	1	66	12.8	-	-	-	-	-	-	-	-
600	400	150	1	66	9.3	NSYDLA48P	NSYDLCR64	NSYDLM48P	NSYCTL400DLM	NSYPMP400DLM	NSYATP72G	-	-
600	400	200	1	66	10.8	NSYDLA48P	NSYDLCR64	NSYDLM48P	NSYCTL400DLM	NSYPMP400DLM	NSYATP72G	-	-
600	400	250	1	66	12.3	NSYDLA48P	-	NSYDLM48P	NSYCTL400DLM	NSYPMP400DLM	NSYATP72G	-	-
600	500	150	1	66	11.3	-	NSYDLCR88	-	-	-	-	-	-
600	500	200	1	66	14.3	-	NSYDLCR88	-	-	-	-	-	-
600	500	250	1	66	16.2	-	-	-	-	-	-	-	-
600	600	200	1	66	16.3	-	-	NSYDLM84P	NSYCTL600DLM	NSYPMP600DLM	NSYATP72G	NSYVDM12UF	NSYVDM11UP
600	600	250	1	66	18.2	-	-	NSYDLM84P	NSYCTL600DLM	NSYPMP600DLM	NSYATP72G	NSYVDM12UF	NSYVDM11UP
600	600	300	1	66	19.8	-	-	NSYDLM84P	NSYCTL600DLM	NSYPMP600DLM	NSYATP72G	NSYVDM12UF	NSYVDM11UP
600	800	300	1	66	26	-	-	-	-	-	-	-	-
700	500	200	1	66	17.3	NSYDLA66/NSYDLA88	NSYDLCR110	NSYDLM66/NSYDLM88	NSYCTL500DLM	NSYPMP500DLM	NSYATP72G	-	-
700	500	250	1	66	19.3	NSYDLA66/NSYDLA88	-	NSYDLM66/NSYDLM88	NSYCTL500DLM	NSYPMP500DLM	NSYATP72G	-	-
800	600	200	1	66	21.8	NSYDLA84/NSYDLA112	NSYDLCR135	NSYDLM84/NSYDLM112	NSYCTL600DLM	NSYPMP600DLM	NSYATP72G	NSYVDM17UF	-
800	600	250	1	66	24.8	NSYDLA84/NSYDLA112	-	NSYDLM84/NSYDLM112	NSYCTL600DLM	NSYPMP600DLM	NSYATP72G	NSYVDM17UF	NSYVDM16UP
800	600	300	1	66	26.3	NSYDLA84/NSYDLA112	-	NSYDLM84/NSYDLM112	NSYCTL600DLM	NSYPMP600DLM	NSYATP72G	NSYVDM17UF	NSYVDM16UP
800	800	200	1	66	29.5	-	-	-	-	-	-	-	-
800	800	300	1	66	32.5	-	-	-	-	-	-	-	-
1000	600	250	1	66	28.4	-	-	NSYDLM168	NSYCTL600DLM	NSYPMP600DLM	NSYATP72G	NSYVDM21UF	NSYVDM20UP
1000	600	300	1	66	30.6	-	-	NSYDLM168	NSYCTL600DLM	NSYPMP600DLM	NSYATP72G	NSYVDM21UF	NSYVDM20UP
1000	800	250	1	66	34.5	NSYDLA234	-	NSYDLM240	NSYCTL800DLM	NSYPMP800DLM	NSYATP72G	-	NSYVDM20UP
1000	800	300	1	66	37.4	NSYDLA234	-	NSYDLM240	NSYCTL800DLM	NSYPMP800DLM	NSYATP72G	-	NSYVDM20UP
CRNG Wall-mounting steel enclosures													
800	600	400	1	66	30	NSYDLA84/NSYDLA112	-	NSYDLM84/NSYDLM112	NSYCTL600DLM	NSYPMP600DLM	NSYATP72G	NSYVDM17UF	NSYVDM16UP
800	1000	300	2	55	40	-	-	-	-	-	-	-	-
800	1200	300	2	55	46	-	-	-	-	-	-	-	-
1000	600	400	1	66	36	-	-	NSYDLM168	NSYCTL600DLM	NSYPMP600DLM	NSYATP72G	NSYVDM21UF	NSYVDM20UP
1000	800	400	1	66	43	NSYDLA234	-	NSYDLM240	NSYCTL800DLM	NSYPMP800DLM	NSYATP72G	-	NSYVDM20UP
1000	1000	300	2	55	47	-	-	-	-	-	-	-	-
1000	1200	300	2	55	55	-	-	-	-	-	-	-	-
1000	1200	400	2	55	60	-	-	-	-	-	-	-	-
1200	600	300	1	66	37	-	-	-	-	-	-	-	-
1200	600	400	1	66	42	-	-	-	-	-	-	-	-
1200	800	300	1	66	45	-	-	-	-	-	-	-	NSYVDM25U8P
1200	800	400	1	66	50	-	-	-	-	-	-	-	NSYVDM25U8P
1200	1000	300	2	55	56	-	-	-	-	-	-	-	-
1200	1000	400	2	55	61	-	-	-	-	-	-	-	-
1200	1200	300	2	55	64	-	-	-	-	-	-	-	-
1200	1200	400	2	55	90	-	-	-	-	-	-	-	-
1400	1000	300	2	55	80	-	-	-	-	-	-	-	-

(1) Enclosure without mounting plate.

(2) To be coupled in 200 mm depth enclosure, the lifting bracket ref. NSYEX608 must be ordered separately.

Spacial CRN - CRNG

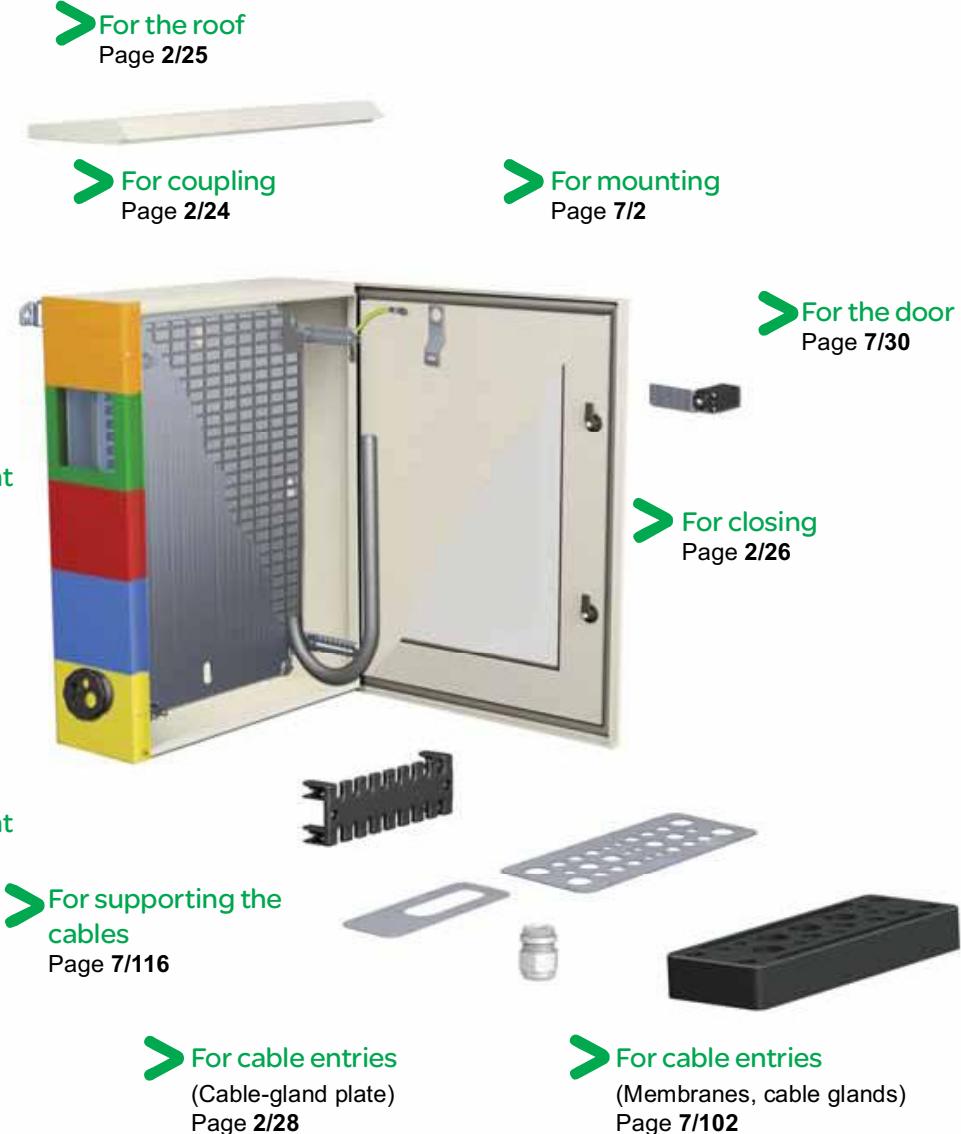


	Installation system										
	Inner door	Wall-fixing lugs	Set for heavy-load fixing brackets*	Post-fixing device	Single plinths side plate**		Single plinths front plate**		Supporting pole	Coupling plates	Canopies
	Page 2/30	Page 2/19	Page 2/20	Page 2/22	100 mm	200 mm	100 mm	200 mm			
-	NSYPFCR	-	-	-	-	-	-	-	-	-	-
-	NSYPFCR	-	-	-	-	-	-	-	-	-	-
-	NSYPFCR	-	-	-	-	-	-	-	NSYCOCN80	-	NSYTJ2015
-	NSYPFCR	-	-	-	-	-	-	-	NSYCOCN80	NSYCHCOA	NSYTJ2515
-	NSYPFCR	-	-	-	-	-	-	-	NSYCOCN80	NSYCHCOA	NSYTJ2520
-	-	-	-	NSYSFPSC30	-	-	-	-	NSYCOCN80	NSYCHCOB	NSYTJ3015
-	-	-	-	NSYSFPSC30	-	-	-	-	NSYCOCN80	NSYCHCOB	NSYTJ3020
-	-	-	-	NSYSFPSC40	-	-	-	-	NSYCOCN80	NSYCHCOC	NSYTJ4020
-	NSYPFCR	-	-	-	-	-	-	-	-	-	-
NSPIN43	NSYPFCR	-	NSYSFPSC30	-	-	-	-	-	NSYCOCN80	NSYCHCOB	NSYTJ3015
NSPIN43	NSYPFCR	-	NSYSFPSC30	-	-	-	-	-	NSYCOCN80	NSYCHCOB	NSYTJ3020
-	NSYPFCR	-	NSYSFPSC40	-	-	-	-	-	NSYCOCN80	NSYCHCOC	NSYTJ4020
-	NSYPFCR	-	NSYSFPSC60	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF6100	NSYSPF6200	NSYCOCN80	NSYCHCOD	NSYTJ6030
NSPIN54	NSYPFCR	-	NSYSFPSC40	-	-	-	-	-	NSYCOCN80	NSYCHCOB	NSYTJ4015
NSPIN54	NSYPFCR	-	NSYSFPSC40	-	-	-	-	-	NSYCOCN80	NSYCHCOC	NSYTJ4020
NSPIN54	NSYPFCR	-	NSYSFPSC40	-	-	-	-	-	NSYCOCN80	NSYCHCOC	NSYTJ4025
-	NSYPFCR	-	NSYSFPSC50	-	-	-	-	-	NSYCOCN80	NSYCHCOD	NSYTJ5025
NSPIN64	NSYPFCR	-	NSYSFPSC40	-	-	-	-	-	NSYCOCN80	NSYCHCOB	NSYTJ4015
NSPIN64	NSYPFCR	-	NSYSFPSC40	-	-	-	-	-	NSYCOCN80	NSYCHCOC	NSYTJ4020
NSPIN64	NSYPFCR	-	NSYSFPSC40	-	-	-	-	-	NSYCOCN80	NSYCHCOC	NSYTJ4025
-	NSYPFCR	-	NSYSFPSC50	-	-	-	-	-	NSYCOCN80	NSYCHCOB	NSYTJ5015
-	NSYPFCR	-	NSYSFPSC50	-	-	-	-	-	NSYCOCN80	NSYCHCOD	NSYTJ5020
-	NSYPFCR	-	NSYSFPSC50	-	-	-	-	-	NSYCOCN80	NSYCHCOD	NSYTJ5025
-	NSYPFCR	-	NSYSFPSC60	-	-	-	-	-	NSYCOCN80	NSYCHCOD	NSYTJ6020
-	NSYPFCR	-	NSYSFPSC60	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF6100	NSYSPF6200	NSYCOCN80	NSYCHCOD	NSYTJ6025
-	NSYPFCR	-	NSYSFPSC60	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF8100	NSYSPF8200	NSYCOCN80	NSYCHCOC (3)	NSYTJ8030
NSPIN75	NSYPFCR	-	NSYSFPSC50	-	-	-	-	-	NSYCOCN80	NSYCHCOD	NSYTJ5020
NSPIN75	NSYPFCR	-	NSYSFPSC50	-	-	-	-	-	NSYCOCN80	NSYCHCOC	NSYTJ5025
NSPIN86	NSYPFCR	-	NSYSFPSC60	-	-	-	-	-	NSYCOCN80	NSYCHCOD	NSYTJ6020
NSPIN86	NSYPFCR	-	NSYSFPSC60	-	-	-	-	-	NSYCOCN80	NSYCHCOD	NSYTJ6025
NSPIN86	NSYPFCR	-	NSYSFPSC60	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF6100	NSYSPF6200	NSYCOCN80	NSYCHCOC (3)	NSYTJ8030
NSPIN86	NSYPFCR	-	NSYSFPSC80	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF8100	NSYSPF8200	NSYCOCN80	NSYCHCOC (3)	NSYTJ8030
-	NSYPFCR	-	NSYSFPSC80	-	-	-	-	-	NSYCOCN80	NSYCHCOC (3)	NSYTJ8020
-	NSYPFCR	-	NSYSFPSC80	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF8100	NSYSPF8200	NSYCOCN80	NSYCHCOC (3)	NSYTJ8030
NSPIN106	NSYPFCR	-	-	-	-	-	-	-	NSYCOCN80	NSYCHCOD	NSYTJ6025
NSPIN106	NSYPFCR	-	-	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF6100	NSYSPF6200	NSYCOCN80	NSYCHCOD	NSYTJ6030
NSPIN108	NSYPFCR	-	-	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF6100	NSYSPF6200	NSYCOCN80	NSYCHCOC (3)	NSYTJ8025
NSPIN108	NSYPFCR	-	-	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF8100	NSYSPF8200	NSYCOCN80	NSYCHCOC (3)	NSYTJ8030
NSPIN86	NSYAEFPFSC	NSYAEFAHLBSC	NSYSFPSC60	NSYSPS4100SD	NSYSPS4200SD	NSYSPF6100	NSYSPF6200	-	-	-	NSYTJ6040
-	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF10100	NSYSPF10200	-	-	-	NSYTJ10030
-	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF12100	NSYSPF12200	-	-	-	NSYTJ12030
NSPIN106	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS4100SD	NSYSPS4200SD	NSYSPF6100	NSYSPF6200	-	-	-	NSYTJ6040
NSPIN108	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS4100SD	NSYSPS4200SD	NSYSPF8100	NSYSPF8200	-	-	-	NSYTJ8040
-	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF10100	NSYSPF10200	-	-	-	NSYTJ10030
-	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF12100	NSYSPF12200	-	-	-	NSYTJ12030
-	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS4100SD	NSYSPS4200SD	NSYSPF12100	NSYSPF12200	-	-	-	NSYTJ12040
NSPIN126	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF6100	NSYSPF6200	-	-	-	NSYTJ6030
NSPIN126	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS4100SD	NSYSPS4200SD	NSYSPF6100	NSYSPF6200	-	-	-	NSYTJ6040
NSPIN128	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF8100	NSYSPF8200	-	-	-	NSYTJ8030
NSPIN128	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS4100SD	NSYSPS4200SD	NSYSPF8100	NSYSPF8200	-	-	-	NSYTJ8040
-	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF10100	NSYSPF10200	-	-	-	NSYTJ10030
-	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS4100SD	NSYSPS4200SD	NSYSPF10100	NSYSPF10200	-	-	-	NSYTJ10040
-	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF12100	NSYSPF12200	-	-	-	NSYTJ12030
-	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS4100SD	NSYSPS4200SD	NSYSPF12100	NSYSPF12200	-	-	-	NSYTJ12040
-	NSYAEFPFSC	NSYAEFAHLBSC	-	NSYSPS3100SD	NSYSPS3200SD	NSYSPF10100	NSYSPF10200	-	-	-	NSYTJ10030

(3) 2 coupling plates and supporting poles are required.
*Order the NSYAEFPFSC wall-fixing brackets separately.

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

2



See also
the accessories

Chassis
page 7/2

Modular Chassis
page 7/70

19" Chassis
page 2/48

DIN rail and fixings
pages 7/50 and 7/67

Composition accessories

Fixing accessories



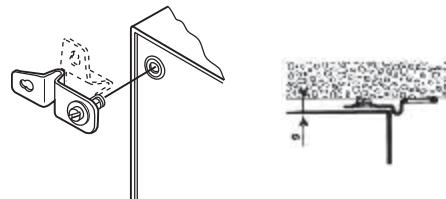
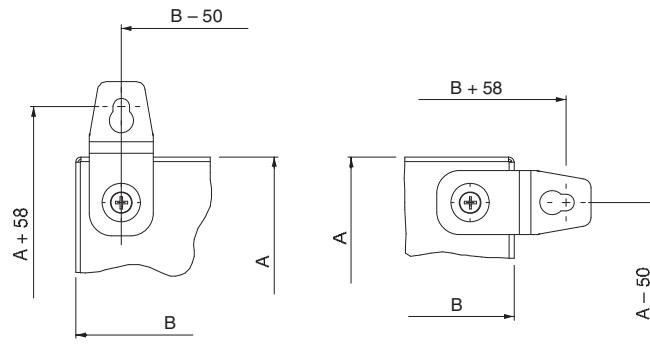
Wall-fixing kit for Spacial CRN enclosures

- Made from passivated zinc-coated steel.
- They are fixed from the outside and can be positioned vertically or horizontally indistinctly.
- Maximum load: horizontally 180 kg vertically 350 kg.
- Not included in the standard supply.
- For Spacial CRNG enclosures use **NSYAEFPFSC** on page 2/20.

Description	Reference
4 wall-fixing lugs in steel	NSYPFCR
4 wall-fixing lugs in Stainless Steel	NSYPFC2X

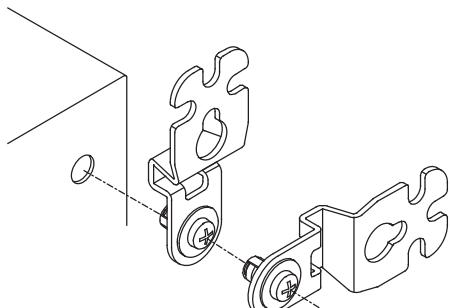
2

A Enclosure height
B Enclosure width



Composition accessories

Fixing accessories



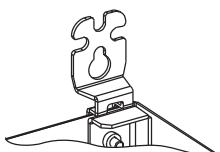
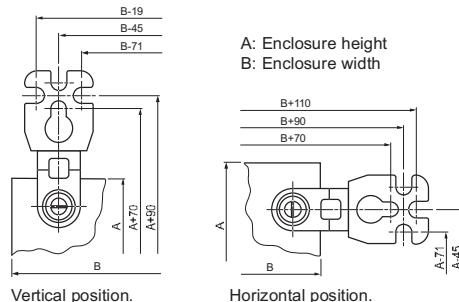
Installation from the outside.

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

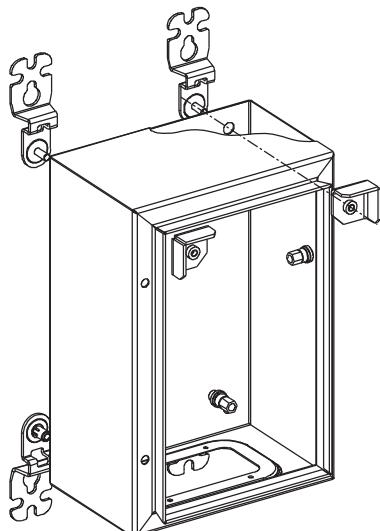
Fixing centre-to-centre distance with lugs (M8 screw)



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





Mounting pillar

- The mounting pillar is fixed to the bottom of the enclosure using an adapter plate (see below).
- This plate needs to be ordered with the pillar and replaces the cable-gland plate.
- Overall height of the mounting pillar: 800 mm.
- Material: extruded aluminium, polyester powder paint, textured finish, RAL 7035 grey colour.
- Suitable for all Spacial CRN enclosures up to dimensions 600 × 400 × 250 mm (except Spacial CRN 200 × 200 × 150 and Spacial CRN 250 × 200 × 150).
- Cannot be mounted on Spacial CRNG enclosures.

Reference

NSYCOCN80

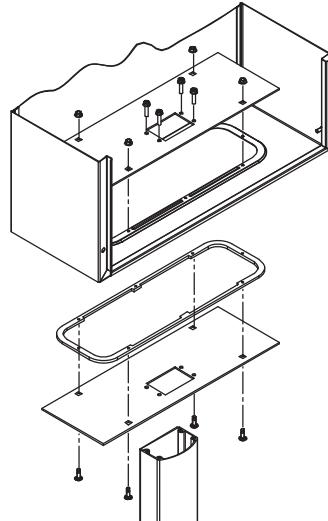


Adapter plate

- Plate for fixing mounting pillar to enclosure. This plate replaces the cable-gland plate delivered with the enclosure.
- Material: steel, polyester powder paint, textured finish, RAL 7035 grey colour

Width of enclosure (mm)	Depth of enclosure (mm)	To be coupled with cable entry*	References
250	150-200	A	NSYCHCOA
300-400-450-500	150-200	B	NSYCHCOB
400	200-250	C	NSYCHCOC
500-600	200-250-300	D	NSYCHCOD

*See type of entry in drawings on page 2/9.





Composition accessories

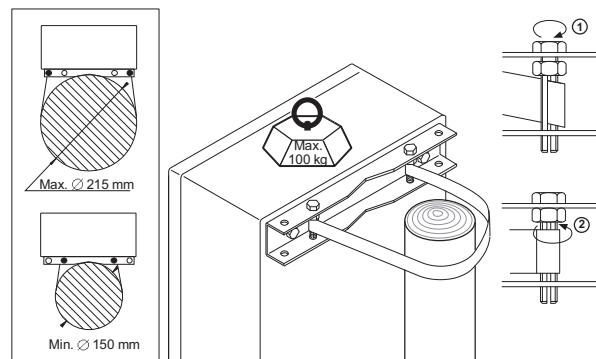
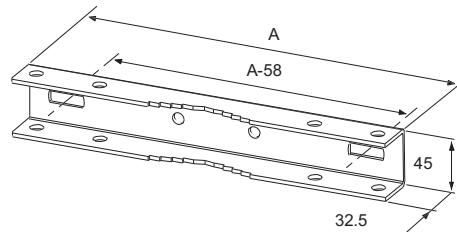
Fixing accessories

Post-fixing device for Spacial steel enclosure

For indoor installations on posts with a maximum circumference of 675 mm (minimum diameter 150 mm and maximum diameter 215 mm).

- Material: galvanised steel.
- Rail fixed to the inserts in the rear of the enclosure with 8-mm screws.
- Maximum load: 100 kg.
- They allow the mounting of protection canopies.
- For steel enclosures with widths of 300, 400, 500, 600 and 800 mm.

Description	A (mm)	Reference
Post-fixing for enclosure with W 300 mm	295	NSYSFPSC30
Post-fixing for enclosure with W 400 mm	395	NSYSFPSC40
Post-fixing for enclosure with W 500 mm	495	NSYSFPSC50
Post-fixing for enclosure with W 600 mm	595	NSYSFPSC60
Post-fixing for enclosure with W 800 mm	795	NSYSFPSC80



Machining of your enclosure before painting with our customisation service.

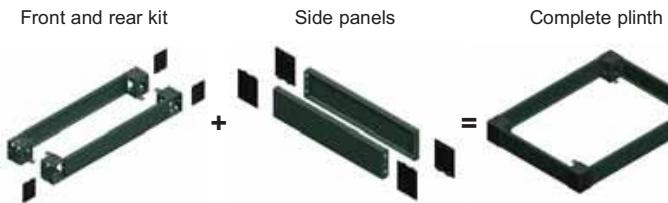
Specific

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

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.



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



Nominal dimensions (mm)	Reference	
	100 mm	200 mm
Depth		
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.
See page 3/44.

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



See also
the accessories

Accessories for
cable entries
page 2/28

Cable-support
accessories
page 7/116

Cable-management
accessories
page 7/101



Installation example.



Version without cable entry.



Version with cable entry.

Composition accessories

Coupling accessories

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.

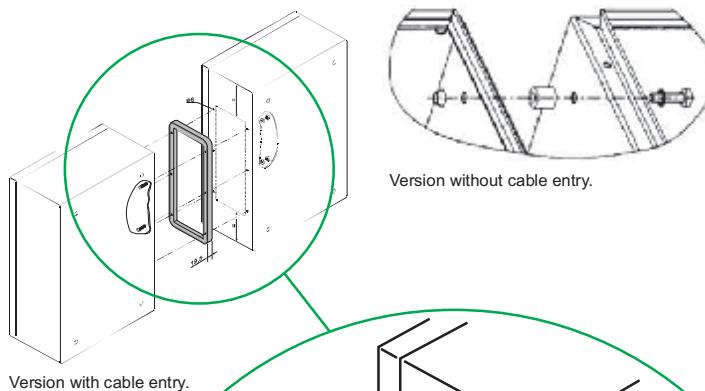
Kit for fixing 2 joined enclosures

- Kit made up of 4 spacers and their fixings.

Coupling frame

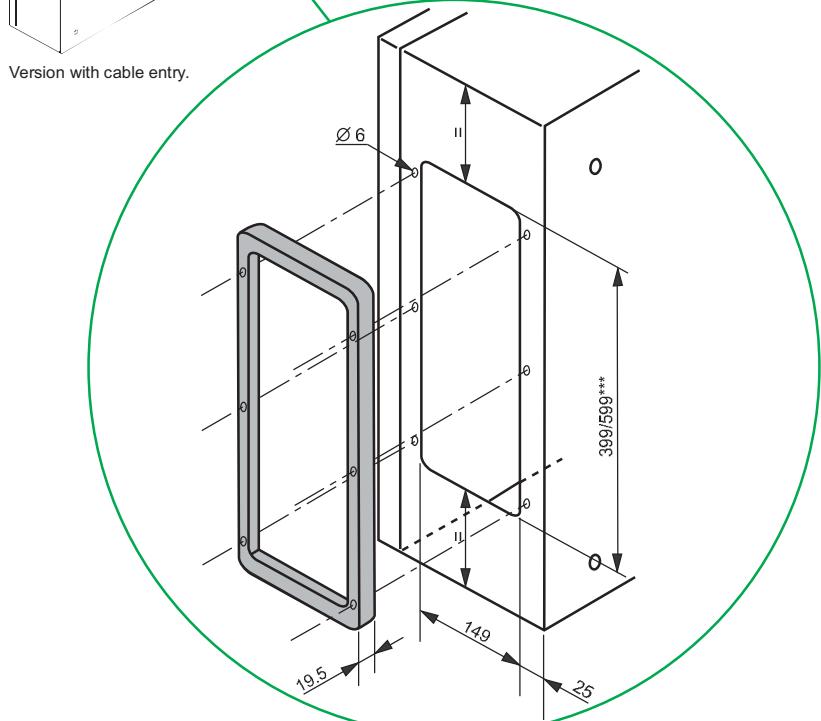
- Allows lateral coupling of 2 enclosures.
 - Frame made from polyester charged with fibreglass, self-extinguishing.
 - A built-in sealing gasket guarantees the protection degree of IP 66.
 - Mounting by screws, included.
 - Dimensions: 435×185 mm and 635×185 mm.
- These frames allow the door to open to 120° .

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



Version without cable entry.

Version with cable entry.



Composition accessories

Hoisting accessories

2

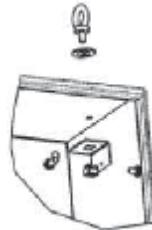


Eyebolts

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, page 7/144.

Description	Reference
Batch of 2 M8 eyebolts	NSYAELEYTCRG8



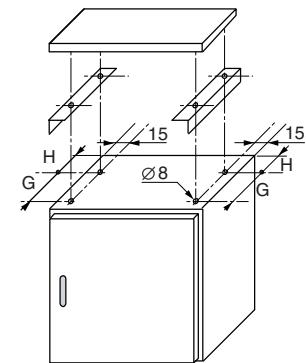
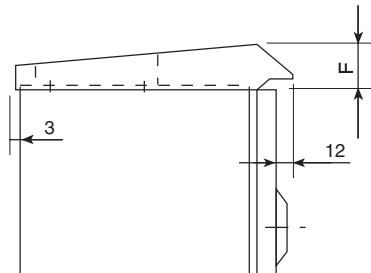
Protection canopy

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, page 7/144.

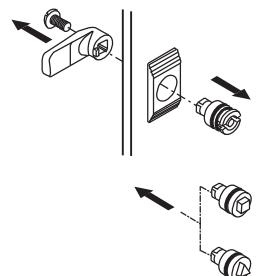
Enclosures (mm)			
Depth	F	G	H
150	36	75	23
200	36	130	23
250	42	150	48
300	42	200	48
400	42	300	48

Dimensions and cut-outs.

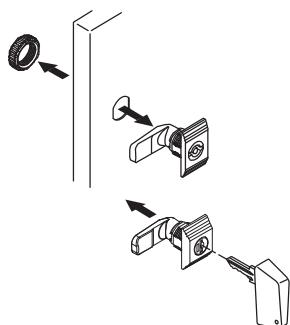


Locking accessories

2



Insert change.



Lock change.



NSYCBCCRN

Lock for Spacial CRN enclosure

NSYCDB3 3-mm Ø standard double-bar lock.

By fixing the wing nut to the lock, the double-bar lock becomes a handle lock.

• Operation using:

– Wing key ref.: **NSYDBP**.

– Key **NSYLDB5**.

(according to DIN 43668) .

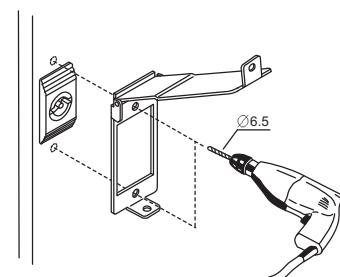
Type of insert	Insert reference	Key reference*
3 mm double bar	NSYTDBCRN	NSYLDB5
With one □ 6-mm square lock	NSYTC6CRN	NSYLC7
With one □ 7-mm square lock	NSYTC7CRN	NSYLC7
With one □ 8-mm square lock	NSYTC8CRN	NSYLC8
Triangle lock with △ 6.5-mm side	NSYTT6CRN	NSYLT8
Triangle lock with △ 7-mm side	NSYTT7CRN	NSYLT8
Triangle lock with △ 8-mm side	NSYTT8CRN	NSYLT8

*Order the key separately.

Complete manual handle lock, operated with key 405	NSYCL405CRN	
Complete manual handle lock, operated with key 220	NSYCL220CRN	
Complete metal lock, operated with key 405	NSYCLL405CRN	
Stainless-steel padlock	NSYKPLM	
Padlock	NSYCBCCRN	



NSYKPLM. Ø 8 mm.



NSYKPLM padlock assembly.

**Lock for Spacial CRNG enclosure (three-point lock)**

Standard 5-mm double-bar lock for CRNG models.

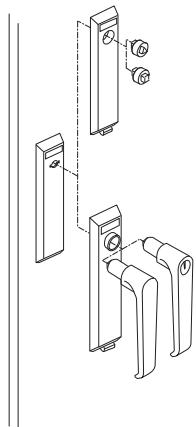
- Operation using:

– Key **NSYldb5**.(according to DIN 43668) .

Transformation of the standard lock to standardised variations in enclosures with three-point locks.

Type of insert	Insert reference	Key reference*
<input type="checkbox"/> 6-mm square	NSYTC6ML	 NSYLC7
<input type="checkbox"/> 7-mm square	NSYTC7ML	 NSYLC7
<input type="checkbox"/> 8-mm square	NSYTC8ML	 NSYLC8
<input type="checkbox"/> 7-mm-side triangle	NSYTT7ML	 NSYLT8
<input type="checkbox"/> 8-mm-side triangle	NSYTT8ML	 NSYLT8
Handle lock	NSYTSML	
Handle lock operated using key 405 (included)	NSYTL405ML	

*Insert without keys (unless indicated).



Transformation of the standard lock to a retractable three-point lock with various types of inserts.

Type of insert	Insert reference	Key reference*
Key operated bar lock	NSYTEDB5ML	 NSYldb5
<input type="checkbox"/> 7-mm square lock	NSYTEC7ML	 NSYLC7
<input type="checkbox"/> 8-mm square lock	NSYTEC8ML	 NSYLC8
<input type="checkbox"/> 7-mm-side triangle lock	NSYTT7ML	 NSYLT8
<input type="checkbox"/> 8-mm-side triangle lock	NSYTT8ML	 NSYLT8
Lock operated with key type 405	NSYTEL405ML	
Lock operated with reinforced key	NSYTERM	

*Insert without keys (unless indicated).

Cable management

Cable entries for Spacial CRN

2



Standard cable-gland plate

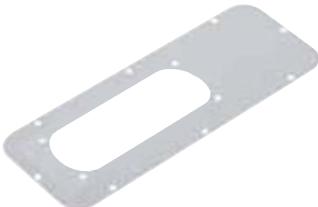
- Made from steel painted RAL 7035. Included as a standard with the Spacial CRN enclosure.
- Fixing with screws.

The cable-gland plate for Spacial CRN is fixed by screws and guarantees water and dust tightness.

- It is flattened with the body.
- It is delivered with a separate seal: it allows easy cut-outs with no risk of damaging the seal and can be easily repainted.

Width	Depth	To be coupled with entry	References
200	150	0	NSYTLCRNO
250	150/200	A	NSYTLCRNA
300	200	B	NSYTLCRNB
400/500	150	B	NSYTLCRNB
400	200/250	C	NSYTLCRNC
500/600	200/250/300	D	NSYTLCRND
800	200/250/300	E*	NSYTLCRNC

* Enclosure with 2 entries.



Cable-gland plate with FL cut-outs

- Made from steel painted with RAL 7035. Includes cut-outs for FL13 and FL21 according to the dimension.
- Fixing with screws.

Width	Depth	To be coupled with entry	References
250	150/200	A	NSYTFL13CRNA
300	200	B	NSYTFL13CRNB
400/500	150	B	NSYTFL13CRNB
400	200/250	C	NSYTFL21CRNC
500/600	200/250/300	D	NSYTFL21CRND
800	200/250/300	E*	NSYTFL21CRNC

* Enclosure with 2 entries

Cable management

Cable entries for Spacial CRN



Example of use.

Standard cable-gland plate

Made from self-extinguishing ABS with 30% fibreglass material. Colour RAL 7035.

- Pre-marked holes with diameter Pg for coupling of cable glands, membrane glands, tubes, etc.
- With a polyurethane sealing gasket.
- Excellent thermal resistance.
- Pre-marked holes for cable entry plates.

Width	Depth	To be coupled with entry	Fig.	References
250	150/200	A	1	NSYTSACRNA
300	200	B	2	NSYTSACRNB
400/500	150	B	3	NSYTSACRNB
400	200/250	C	3	NSYTSACRNC
500/600	200/250/300	D	4	NSYTSACRND
800	200/250/300	E*	3	NSYTSACRNC

See cable entry on page 7/102.

* For type E cable entry, use two NSYTSACRNC.

Fig. 1

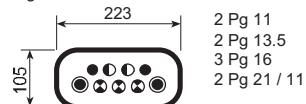
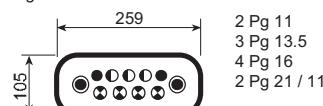


Fig. 2

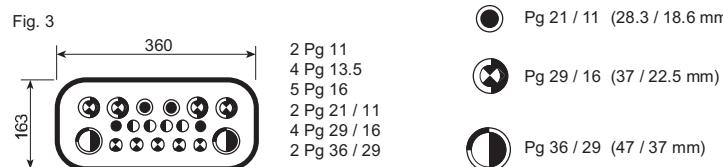


● Pg 11 (18.6 mm)

○ Pg 13.5 (20.4 mm)

◐ Pg 16 (22.5 mm)

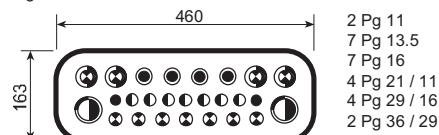
● Pg 21 / 11 (28.3 / 18.6 mm)



○ Pg 29 / 16 (37 / 22.5 mm)

◐ Pg 36 / 29 (47 / 37 mm)

Fig. 4



2 Pg 11

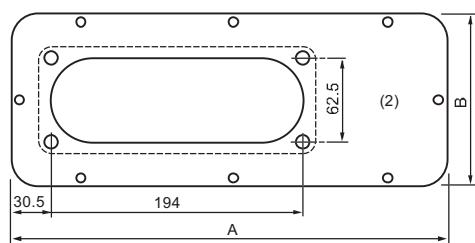
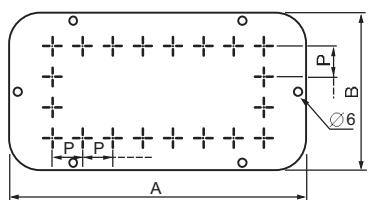
7 Pg 13.5

7 Pg 16

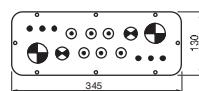
4 Pg 21 / 11

4 Pg 29 / 16

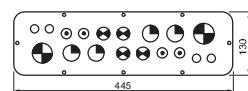
2 Pg 36 / 29



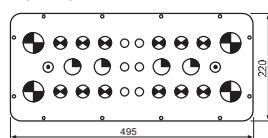
NSYTLDK



NSYTLEK



NSYTLGK



Cable management

Cable entries for Spacial CRNG enclosures

Standard cable entries

- Made from steel painted with textured RAL 7035 epoxy-polyester resin.
- Standard supply with the Spacial CRNG enclosures.
- Surface with a grid pattern in 25 mm intervals to facilitate perforation. Fixing with screws.

Dimensions A × B	Width	Depth	To be coupled with entry	References
345 × 130	800	300/400	H*	NSYTLDFL
445 × 130	1000/1200	300/400	H*	NSYTLFL
495 × 220	600	400	G	NSYTLG2FL

* 2 entries.

Cable entries for membrane glands

- Made from steel painted with textured RAL 7035 epoxy-polyester resin.
- The membranes are built to accommodate water and dust tight cable entries in insulated material (flame classification V0), guaranteeing IP 65 (to be ordered separately).
- Fixing with screws.

Dimensions A × B	To be coupled with entry	Width	Depth	References
345 × 130	H*	800	300/400	NSYTLDFL
445 × 130	H*	1000/1200	300/400	NSYTLFL
495 × 220	G	600	400	NSYTLG2FL

* 2 entries.

Cable entries with pre marked holes

- Made from steel painted with textured RAL 7035 epoxy-polyester resin.
- Standard supply with the Spacial CRNG enclosure only.
- Fixing with screws.

Dimensions A × B	Width	Depth	To be coupled with entry	References
345 × 130	800	300/400	H*	NSYTLDK
445 × 130	1000/1200	300/400	H*	NSYTLEK
495 × 220	600	400	G	NSYTLGK

* 2 entries.

Symbol	Ø (mm)	M	NSYTLDK	NSYTLEK	NSYTLGK
●	12.5	12	6	-	-
⊕	16.5	16	-	4	6
◎	20.5	20	6	4	2
✖	25.5	25	-	4	12
✖	32.5	32	-	4	4
✖	40.5	40	2	2	4



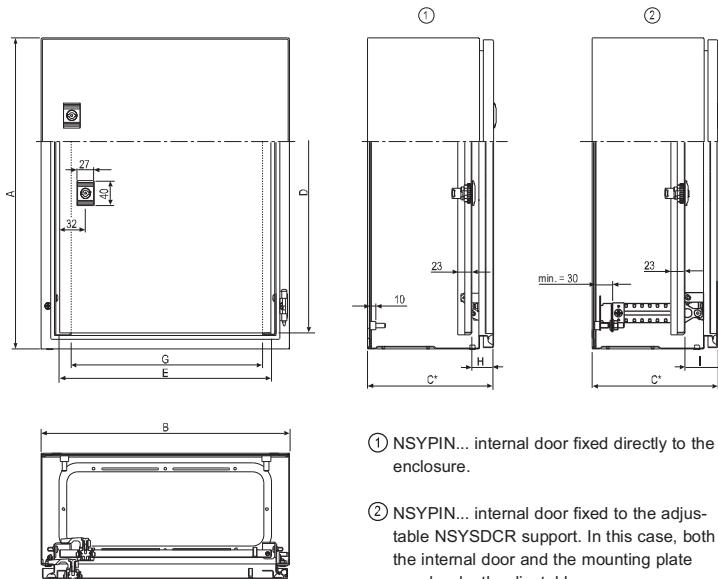
Internal door

- Sheet-steel door, RAL 7035 grey colour.
- 3-mm double-bar lock.
- The internal door can be mounted either on the front face of the enclosure or on step slides (not supplied as standard).
- Maximum load: 30 kg/m².
- To mount an inner door and a mounting plate at the same time on the step slides, is possible as standard.
- Not compatible with mounting with door stop and door contact. Consult us.

Dimensions	References
H 400 × L 300 mm	NSPIN43
H 500 × L 400 mm	NSPIN54
H 600 × L 400 mm	NSPIN64
H 700 × L 500 mm	NSPIN75
H 800 × L 600 mm	NSPIN86*
H 1000 × L 600 mm	NSPIN106*
H 1000 × L 800 mm	NSPIN108*
H 1200 × L 600 mm	NSPIN126
H 1200 × L 800 mm	NSPIN128*

*Equipped with welded vertical profiles in order to facilitate cable management.

Dimensions



① NSPIN... internal door fixed directly to the enclosure.

② NSPIN... internal door fixed to the adjustable NSYSDCR support. In this case, both the internal door and the mounting plate may be depth adjustable.

*Dimension C according to general table on page 2/14.



See also
the accessories

Cable-duct support
diameter 22
see page 7/118

DIN rail support
see page 7/50

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

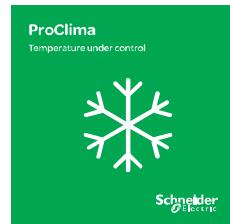
> Spacial.pro

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.



> 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.



Spacial steel enclosures application offer

Offers dimensioned for your applications



Spacial S57: the universal steel enclosure with screw-on cover

Practical

Vertical and horizontal installations. Body without cut-outs for cable-gland plate. Screw-on cover. 4 dimensions with screw-on cover from 200 × 300 × 150 to 300 × 500 × 200. Delivered empty. Do you need other dimensions? Please consult our specific service.

2



Spacial S3DB: the junction enclosure with drop door for easier access

Smart

Vertical and horizontal installations. Body without cut-outs for cable-gland plates. 180° hinges. 11 dimensions with drop door from H250 × W300 × D150 to H250 × W400 × D150. Reversible enclosure (the height becomes the width). Delivered empty. Model presented with ladder support and DIN rail (to be ordered separately, see page 7/50).



Spacial S3DM: the enclosure for modular distribution applications

Practical

Body with top and bottom cable-gland plates. 8 dimensions with cable-gland plate and glazed door. Delivered empty. Model presented with modular chassis (to be ordered separately, see page 2/40).



Spacial VDM: the sealed 19" enclosure for local networks and electronics in industrial environments

Functional

Built-in 19" uprights. 8 dimensions with 2 versions: single and double body. The VDM models are equipped with 19" uprights.



Spacial S3CM: the Control and Human-Machine Dialogue enclosure, ideal for all your interfaces

Ergonomic

The rail of the frame guarantees good rigidity for the enclosure. 8 dimensions. Rotation through 170°; complete range of joints, fixed or rotating.

Selection guide for application wall-mounting enclosures



Specifications				Basic enclosures					
				Empty application enclosures					
Dimensions			Nº 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			Page 1/6	Page 2/36	Page 2/38	Page 2/40	Page 2/42
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.



Do you need other dimensions?
Do you require a special colour or cut-outs? All these enclosures can be customised. See our specific offer, page 0/10.



							Accessories				
19" enclosure with glazed door (2)							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	Nº of modules	DIN rail support and DIN rail	Plain mounting plate	Telequick mounting plate	Aluminium vertical rails
		Page 2/42		Page 2/42		Page 7/70			Page 7/2	Page 7/4	Page 7/8
								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
								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.

The ideal junction enclosure for your application

Introduction

2



Vertical position.

Horizontal position.



Example of installation with the ladder mounting plate.

Technical characteristics

- Protection degree: IP 66.
- Resistance to external mechanical impacts: IK 10.
- Structured finish, epoxy-polyester powder, RAL 7035 grey colour.

Body

Single-piece body, folded and welded. Front rail with double sheet thickness, gutter-shaped.

- Depth 150 mm.
- The terminal enclosure can be installed vertically (the width becomes the height).
- Wall mounting directly or by means of fixing lugs (to be ordered separately).
- 4 M8 \times 25 shouldered backstuds.
- Body without cable-gland openings.

Door

- Easily removable and reversible door, with 20-mm return with double sheet thickness granting excellent rigidity; equipped with 2 hinges opening to 180° .
- Door opening to more than 180° for maximum accessibility (the door comes to rest on the body of the enclosure in top position).
- Maximum acceptable load on the door: 20 kg/m².
- Wall-mounting enclosure supplied with 3-mm double-bar lock as standard.
- Polyurethane gasket.
- M6 \times 16 earthing screw for equipotential connection between the door and the body of the enclosure.

Dedicated accessories

The terminal enclosure, with a depth of 150 mm, can be equipped:

- With 2 rails to be installed on the 4 M8 \times 25 shouldered backstuds.
- With a symmetrical rail to be installed on the rails.
- With a 6-mm² earth braid to be placed between the body and the door.

It can also be equipped with a plain mounting plate, see page 7/2.

This range is completed by the Spacial offer with screw-on cover, see page 1/6.



On demand, it is possible to install the same enclosure dimension with a door with standard opening (not drop-leaf). Please consult our specific service.



See also
the accessories

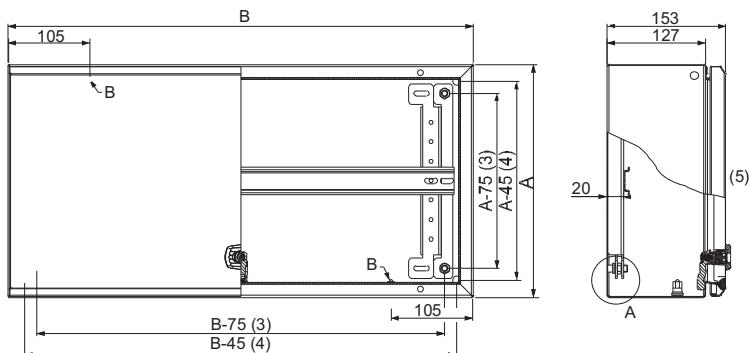
Fixing lugs for the earthing collector page 7/141

Cable-gland entries without connectors page 7/106

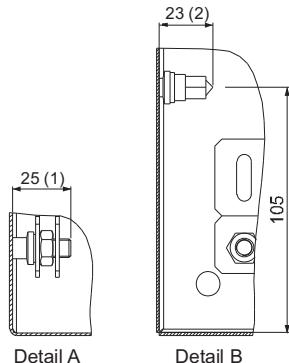
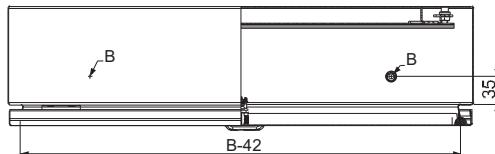
Viewing window page 7/135

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

- (1) With ladder mounting plate installed.
- (2) M6 × 17.5 mm earthing stud.
- (3) Stud centre-to-centre distance.
- (4) Centre-to-centre distance of the holes for direct fixing.
- (5) Drop-leaf door.



2



The provided dimensions are with the ladder mounting plate, which is the most commonly used accessory with this enclosure.



See also
the accessories

Equipment
mounting plate
page 7/2

Accessories for
mounting plate
page 7/7

Cable-management
accessories
page 7/120



The ideal coupling enclosure with FL21 cut-out

Introduction

Coupling enclosure, depth 170 mm, with plain door, for equipping with terminals. Equipped with a plain door without drop-leaf opening. Delivered without cable-gland plate.

Selection guide, page 2/34.

Technical characteristics

- Protection degree: IP 65 (with membrane mounted).
- Resistance to external mechanical impacts: IK 10.
- Structured finish, epoxy-polyester powder, RAL 7035 grey colour.

Body

Single-piece body, folded and welded. Front rail with double sheet thickness, gutter-shaped.

- Wall mounting directly or by means of fixing lugs (to be ordered separately).
- 4 M8 × 25 shouldered backstuds.
- Body with FL21-type cable-gland opening on the bottom of the enclosure (blanking plate ref. NSYAECPFLBP to be ordered separately).
- FL21 membranes, page 7/105.

Door

- Easily removable and reversible door, with 20-mm return with double sheet thickness granting excellent rigidity; equipped with 2 hinges opening to 120°.
- Door opening to more than 120° for maximum accessibility (the door comes to rest on the body of the enclosure in top position).
- Maximum acceptable load on the door: 50 kg/m².
- Wall-mounting enclosure supplied with 3-mm double-bar lock as standard.
- Polyurethane gasket.
- M6 × 16 earthing screw for equipotential connection between the door and the body of the enclosure.

Dedicated accessories

The terminal enclosure, with a depth of 170 mm, can be equipped:

- With 2 rails to be installed on the 4 M8 × 25 shouldered backstuds.
- With a symmetrical rail to be installed on the rails.
- With a 6-mm² earth connection to be placed between the body and the door.
- See page 7/139.

It can also be equipped with a plain mounting plate, see page 7/2.



This range is completed by the Spacial S3DB and Spacial S57 offer.

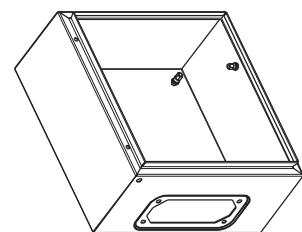
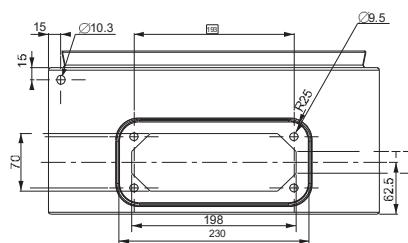
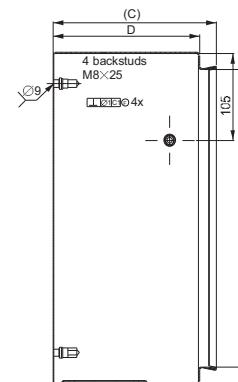
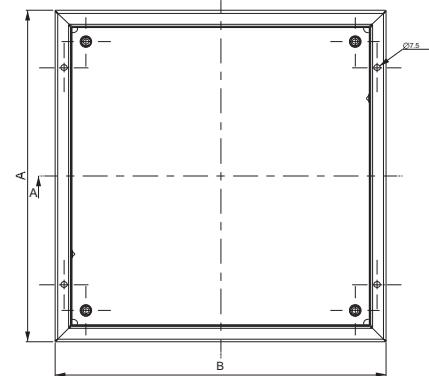
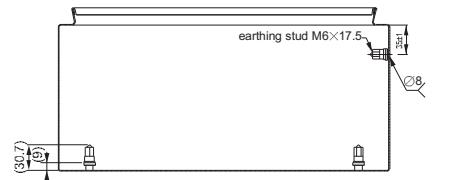


See also
the accessories

Fixing lugs for the earthing collector page 7/29

Cable-gland entries without connectors page 7/106

Viewing window page 7/135





S3DM enclosure.



S3DM enclosure equipped with a DLM* modular chassis.



Top and bottom chequered cable-gland plates.



The dimensioned steel enclosure for your modular distribution application

Introduction

8 dimensions with a depth of 150 mm and glazed door. From H 400 × W 300 to H 1000 × W 800 mm.

Enclosure with transparent door, 4-mm Securit® glass.

Plain door on demand, see page 2/41.

Selection guide, page 2/34.

Technical characteristics

- Structured finish, polyester powder, RAL 7035 grey colour.
- Protection degree: IP 66.
- Resistance to external mechanical impacts: IK 08.

Body

- Single-piece body, folded and welded. Front rail with double sheet thickness, gutter-shaped.
- Wall mounting by means of fixing lugs (to be ordered separately).
- 4 M8 × 25-mm shouldered backstuds for installing chassis and step slides, leaving a space of 10 mm behind them.
- Cable-gland plate (245 × 80) at the top and bottom of the enclosure, guaranteeing the maximum access surface.

Door

- Transparent door, 4-mm Securit® glass (also available in plain door).
- Easily removable and reversible door, with 20-mm return with double thickness granting excellent rigidity, opening to 120°, equipped with 2 or 3 invisible hinges. Three locking points for heights of more than 600 mm.
- Wall-mounting enclosure supplied with 3-mm double-bar lock as standard.
- Perforated rails on the hinge side of the door, with drill holes with a diameter of 4.2 mm in steps of 25 mm.
- Polyurethane gasket.
- M6 × 16-mm earthing screw for equipotential connection between the door and the body of the enclosure.

Dedicated accessories

- The Spacial S3DM enclosure for modular distribution can be equipped with:
 - A modular chassis (**NSYDLM****) with cut-out front panels for 24 to 234 modules according to the dimensions and references (see page 7/70).
 - A 6-mm² earth connection placed between the body and the door.
- For enclosures with a depth of 150 mm, the chassis can be installed at the front or on the backstuds at the rear. It is possible to adjust its depth using the adjustable supports.
- It can also be equipped with a plain chassis, see page 7/2.
- Specific installation: please contact us.



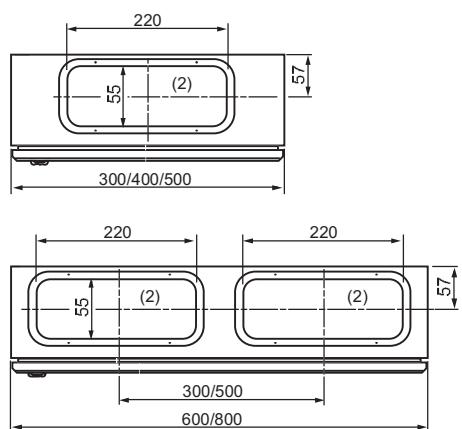
*The DLM modular chassis consists of metal cut-out front panels which can clip on with any screws. Rigid structure made from galvanised steel. The depth of the chassis can be adjusted from 40 to 85 mm, between the rail and the front panel, allowing the installation of all types of devices. The enclosure can be equipped with accessories from the Spacial standard wall-mounting range.



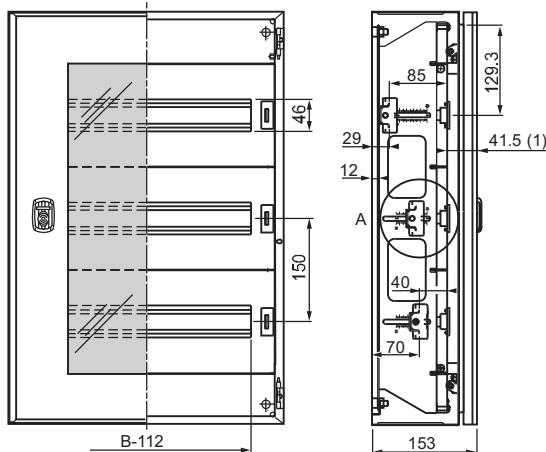
See also
the accessories

Blanking plate
page 7/73

Terminal blocks
page 7/98



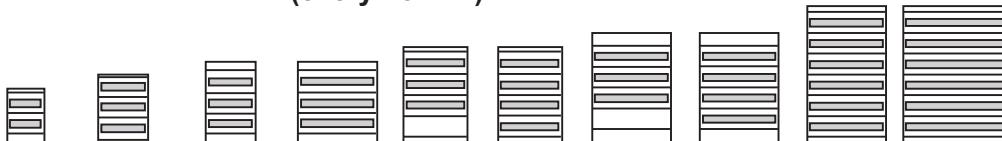
(1) Front face of the modular chassis / front face of the door.
 (2) Cable-gland plates at the top and bottom of the enclosure.



Front panel cut-out
 (see page 7/71)

2

Number of modules per chassis** (every 18 mm)



Chassis reference	NSYDLM24	NSYDLM48*	NSYDLM48P*	NSYDLM84*	NSYDLM66	NSYDLM88	NSYDLM84P	NSYDLM112	NSYDLM168	NSYDLM240
Enclosure height (mm)	400	500	600	600	700	700	800	800	1000	1000
Enclosure width (mm)	300	400	400	600	500	500	600	600	600	800
Number of rows	2	3	3	3	3	4	3	4	6	6
Modules per row	12	16	16	28	22	22	28	28	28	39
Total n° of modules	24	48	48	84	66	88	84	112	168	234

* References NSYDLM48, NSYDLM48P and NSYDLM84, the central row cannot receive modules at the height of the lock (check our technical instructions) when installed at the front of the enclosure. In this case, 1 module is sealed up.

** DLM modular chassis, see page 7/70.



The provided dimensions are with the modular chassis, which is the most commonly used accessory with this enclosure.

Selection guide of plain doors for S3DM enclosure

Description	References
Wall-mounting plain door, H400 × W300	NSYPS3D43
Wall-mounting plain door, H500 × W400	NSYPS3D54
Wall-mounting plain door, H600 × W400	NSYPS3D64
Wall-mounting plain door, H600 × W600	NSYPS3D66
Wall-mounting plain door, H700 × W500	NSYPS3D75



See also
 the accessories

Equipment-chassis
 page 7/2

Accessories for
 chassis
 page 7/6

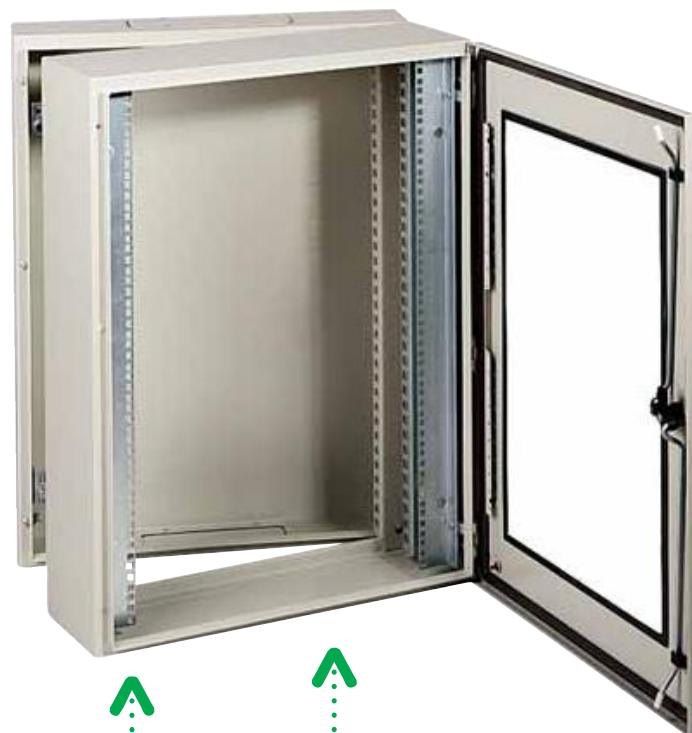
Cable-management
 accessories
 page 7/101

The IP 66 19" steel enclosure is ideal for your application!

2

Practical

Smart



Easy

Attractive



Smart



Smart:

Easily dismountable,
captive hinges.



Enclosures equipped

Easy:

Effortless door closing
with flexible polyurethane
gasket.



Enclosures to be equipped



2

Choice:

1-body enclosure with
swing rack: 5 references
from 4 U to 16 U.
1-body enclosure with
fixed rack:
5 references from 5 U to
17 U.
2-body enclosure: 10
references, 400 or
500 mm deep, from 5 U
to 17 U.
All form inserts, many
key locks.

**Simplified
control:**

Pre-installed fixed
or swing rack; earth
connection placed
between the door and
the body; the enclosure
is ready to use; the
cardboard packaging can
be reused after cabling.

Practical:

Cable-gland plates at top
and bottom:
- on the rear part (2-body
enclosure),
- on the body (1-body
enclosure).

Smart:

Locking handle delivered
with the provisional
(partial engagement) or
final (full engagement)
closure.
Can also be used
to loosen the caps
protecting the studs
when painting.

Attractive:

Chamfered door, plasma
welding, polyester paint,
tinted Securit® glass,
ergonomic bi-material
handle (optional).

And also...**Practical:**

Large range of
accessories, reusable
packaging.

**Light and
resistant:**

Sheet-steel enclosure,
cross-shaped structure,
before folding.

Certification:

According to standard
IEC 62208.

19" enclosure, IP 66

Introduction and selection guides

2



1-body enclosure with fixed rack



1-body enclosure with swing rack

Spacial VDM 1-body 19" enclosure steel

The offer of VDM 19" steel enclosures, for electronics and networks, consists of 2 ranges:

- 1-body enclosure, 400 mm deep, with fixed or swing rack.
- 2-body enclosure, 380 and 480 mm deep.

Technical characteristics

- Structured finish, polyester powder, RAL 7035 grey colour. Other colours, please consult us.
- Protection degree: IP 66.
- Resistance to external mechanical impacts: IK 08.
- Single-piece body, folded and welded. Front rail with double sheet thickness, gutter-shaped.
- Perforated rails on the door, with drill holes of Ø 4.2 mm in steps of 25 mm.
- Transparent door, Securit® glass, easily removable and reversible, with 20-mm return with double thickness granting excellent rigidity, opening to 120°, equipped with 2 or 3 invisible hinges. Three closure points for heights of more than 600 mm.
- Wall-mounting enclosure supplied with 3-mm double-bar lock as standard.
- Polyurethane gasket.
- 6 mm² earth connection placed between the door and the body of the enclosure.
- Wall mounting by means of fixing lugs (to be ordered separately).
- Special installation: please consult us.

1-body enclosure, 400 mm deep, with fixed rack

Number of U	Ext. dimensions (mm)			Reference
	Height	Width	Depth	
5	300	600	400	NSYVDM5U4F
8	400	600	400	NSYVDM8U4F
10	500	600	400	NSYVDM10U4F
14	700	600	400	NSYVDM14U4F
17	800	600	400	NSYVDM17U4F

1-body enclosure, 400 mm deep, with swing rack

Number of U	Ext. dimensions (mm)			Reference
	Height	Width	Depth	
4	300	600	400	NSYVDM4U4P
7	400	600	400	NSYVDM7U4P
9	500	600	400	NSYVDM9U4P
13	700	600	400	NSYVDM13U4P
16	800	600	400	NSYVDM16U4P

- These enclosures are available equipped with a 19" swing rack or a 19" fixed rack.
- Enclosure in 2 pieces: body + door.
- Heights: 4, 7, 9, 13 and 16 U with a swing rack and 5, 8, 10, 14 and 17 U with a fixed rack.
- Cable-gland plate at the bottom of the enclosure
- Fixed rack depth-adjustable in steps of 25 mm using the step slides.
- Maximum load: 3 kg per unit.

19" enclosure, IP 66

Introduction and selection guides



2

Spacial VDM 2-body 19" enclosure steel

Rear

- Depth: 150 mm.
- Internal attachment point for fixing various supports.
- Hinges and locking system with the body.
- Cable-gland plate at the top and bottom.

Body

- Usable depth of 183 or 283 mm.
- Two 19" uprights made from treated steel, installed 65 mm back from the front panel.
- Height: 5, 8, 10, 14 and 17 U.
- Intermediate body installed on the rear with 120° hinge.
- Maximum load: 2 kg per unit.

2-body enclosure, 380 mm deep, with fixed rack

Number of U	Ext. dimensions (mm)			Reference
	Height	Width	Depth	
5	300	600	380	NSYVD2M5U4
8	400	600	380	NSYVD2M8U4
10	500	600	380	NSYVD2M10U4
14	700	600	380	NSYVD2M14U4
17	800	600	380	NSYVD2M17U4

2-body enclosure, 480 mm deep, with fixed rack

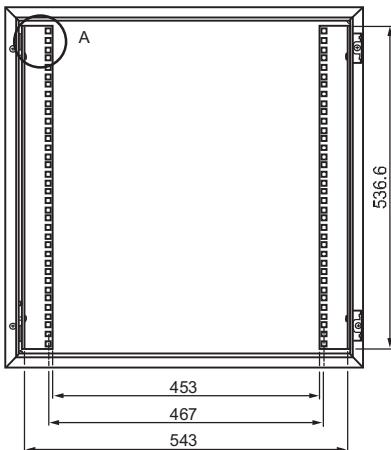
Number of U	Ext. dimensions (mm)			Reference
	Height	Width	Depth	
5	300	600	480	NSYVD2M5U5
8	400	600	480	NSYVD2M8U5
10	500	600	480	NSYVD2M10U5
14	700	600	480	NSYVD2M14U5
17	800	600	480	NSYVD2M17U5

19" enclosure, IP 66

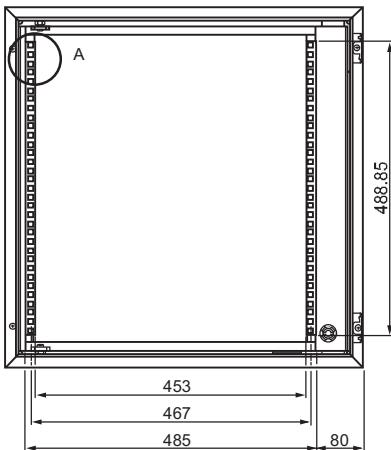
Dimensions

2

Fixed chassis

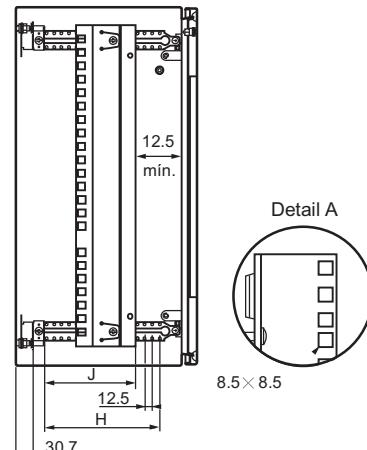


Swing chassis

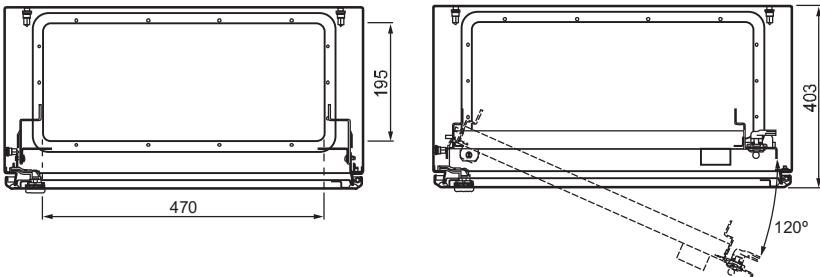


Fixed chassis mounted on the step slides

Lateral view



Top view



H (bars) (mm)	J (travel) (mm)
200	100
250	150
300	200
400	300

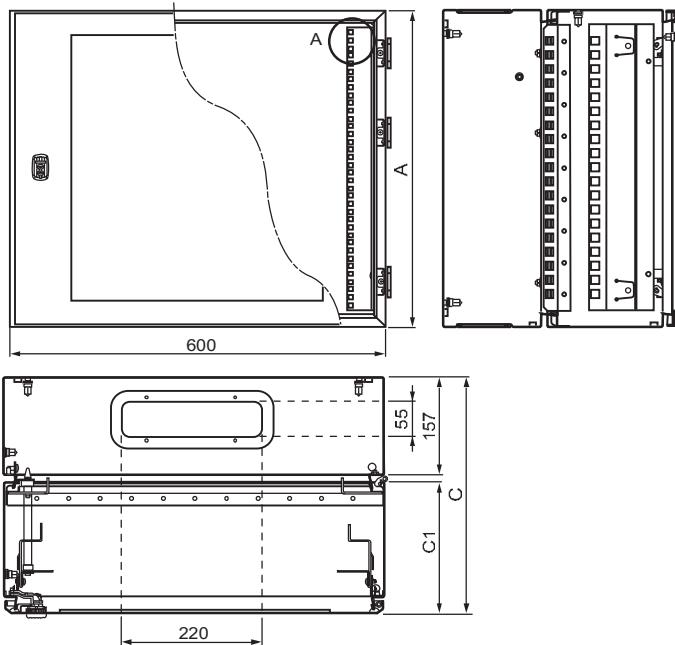
Enclosures dimension			Height (A)	Width (B)	Depth (C)	Fixed chassis	Swing chassis	Unit number	D	E	F	G
400	600	250/300	NSYVDM8UF			8		-	359	188/238	61	
600	600	250/300	NSYVDM12UF			12		-	537	188/238	61	
800	600	250/300/400	NSYVDM17UF			17		-	759	188/238/338	61	
1000	600	250/300	NSYVDM21UF			21		-	937	188/238	61	
400	600	250/300				NSYVDM7UP	7	342	311	188/238	59	
600	600	250/300				NSYVDM11UP	11	542	489	188/238	59	
800	600	250/300/400				NSYVDM16UP	16	742	711	188/238/338	59	
1000	600	250/300				NSYVDM20UP	20	942	889	188/238	59	
1000	800	250/300/400				NSYVDM20U8P	20	942	889	188/238/338	59	
1200	800	300/400				NSYVDM20U8P	25	1142	1111	238/338	59	

19" enclosure, IP 66

Dimensions

2

2-body 19" enclosure



A (mm)	C (mm)	C1 (mm)	Reference
300	373	183	NSYVD2M5U4
400	373	183	NSYVD2M5U5
500	373	183	NSYVD2M8U4
700	373	183	NSYVD2M8U5
800	373	183	NSYVD2M10U4
300	473	283	NSYVD2M10U5
400	473	283	NSYVD2M14U4
500	473	283	NSYVD2M14U5
700	473	283	NSYVD2M17U4
800	473	283	NSYVD2M17U5

19" enclosure, IP 66

Introduction and selection guides



Industrial networks. 19" enclosure

Technical characteristics

- Two types of enclosures are available:
 - Enclosure with plain door.
 - Enclosure with glazed door, Securit® glass, 4 mm thick.
- Structured finish, polyester powder, RAL 7035 grey colour.
- Protection degree: IP 66 for all single-door enclosures.
- Resistance to external mechanical impacts:
 - IK 10 for the plain-door enclosures,
 - IK 08 for the glazed-door enclosures.
- The enclosures are delivered without 19" rack.

Fixed or swing rack

- Fixed rack made up of 2 uprights with fixings.
- Swing rack opening to 120° with 3-mm double-bar insert lock.
- Material: galvanised sheet steel, 20/10 mm thick.
- Maximum load: 3 kg per unit.

Selection guide for CRN universal enclosures to be equipped with 19" fixed or swing rack



Enclosure dimensions (mm)			Reference of the empty enclosure		Fixed rack (1)		Swing rack (1)	
Height	Width	Depth	Glazed door	Plain door	Reference	Number of U	Reference	Number of U
400	600	250	NSYCRN46250T	NSYCRN46250	NSYVDM8UF	8	NSYVDM7UP	7
400	600	300	NSYCRN46300T	NSYCRN46300	NSYVDM8UF	8	NSYVDM7UP	7
600	600	200	NSYCRN66200T	NSYCRN66200	NSYVDM12UF	12	NSYVDM11UP	11
600	600	250	NSYCRN66250T	NSYCRN66250	NSYVDM12UF	12	NSYVDM11UP	11
600	600	300	NSYCRN66300T	NSYCRN66300	NSYVDM12UF	12	NSYVDM11UP	11
800	600	200	NSYCRN86200T	NSYCRN86200	NSYVDM17UF	17	NSYVDM16UP	16
800	600	250	NSYCRN86250T	NSYCRN86250	NSYVDM17UF	17	NSYVDM16UP	16
800	600	300	NSYCRN86300T	NSYCRN86300	NSYVDM17UF	17	NSYVDM16UP	16
800	600	400	NSYCRNG86400T	NSYCRNG86400	NSYVDM17UF	17	NSYVDM16UP	16
1000	600	250	NSYCRN106250T	NSYCRN106250	NSYVDM21UF	21	NSYVDM20UP	20
1000	600	300	NSYCRN106300T	NSYCRN106300	NSYVDM21UF	21	NSYVDM20UP	20
1000	600	400	NSYCRNG106400T	NSYCRNG106400	NSYVDM21UF	21	NSYVDM20UP	20
1000	800	250	NSYCRN108250T	NSYCRN108250	-	-	NSYVDM20U8P	20
1000	800	300	NSYCRN108300T	NSYCRN108300	-	-	NSYVDM20U8P	20
1000	800	400	NSYCRNG108400T	NSYCRNG108400	-	-	NSYVDM20U8P	20
1200	800	300	NSYCRNG128300T	NSYCRNG128300	-	-	NSYVDM25U8P	25
1200	800	400	NSYCRNG128400T	NSYCRNG128400	-	-	NSYVDM25U8P	25

(1) The racks are to be ordered separately.

Mounting accessories

Installation accessories



19" fixed chassis for wall-mounting enclosure IP 66

- 19" fixed chassis comprising 2 19" uprights with fixing.
- Material: galvanized steel, thickness 20/10 mm.
- Maximum load: 3 kg per unit.
- Adjustable in depth by fixing on the step slides in accessories.

Enclosure (mm)		Unit number	Reference
Height	Width		
400	600	8	NSYVDM8UF
600	600	12	NSYVDM12UF
800	600	17	NSYVDM17UF
1000	600	21	NSYVDM21UF

2



19" swing chassis for wall-mounting enclosure IP 66

- 19" swing chassis opening to 120° with closure by 3 mm double bar insert.
- Material: steel, textured epoxy-polyester powder paint colour grey RAL 7035.
- Maximum load: 3 kg per unit.

Enclosure (mm)		Unit number	Reference
Height	Width		
400	600	7	NSYVDM7UP
600	600	11	NSYVDM11UP
800	600	16	NSYVDM16UP
1000	600	20	NSYVDM20UP
1000	800	20	NSYVDM20U8P
1200	800	25	NSYVDM25U8P

The Spacial S3DEX steel enclosure according to the ATEX directive

2

Choice

With 10 sizes

Aesthetics

New RAL 7035



Solid

Resistance to external mechanical impacts IK 10

Smart

1 operating point for 3 locking points from H600

Easy

Easily reversible door



Spacial S3DEX

2

Aesthetics

- Sheet-steel enclosure.
- Structured finish, RAL 7035 grey colour.
- Single-piece body with a cross-shaped structure.



Blind nut for external earth connection.

Earthing studs welded to the door and inside the body.

Solid

- Resistance to external mechanical impacts: IK 10.
- Protection degree: IP 66. Polyurethane gasket.
- Front rail of the body with double fold, gutter-shaped.

Choice

- Solid door: 10 references.

Smart

- 3-mm double-bar lock as standard.
- For heights exceeding 600 mm, three closure points with single operating point.



The chassis is mounted on four 10-mm shouldered backstuds.

The 4 fixing holes are blocked by 4 crimped blind nuts.

Easy

- The door can be removed and turned over to open towards the left.

Practical

- Large variety of common accessories with the Spacial wall-mounting range.
 - Plain mounting plate.
 - Silkscreened mounting plate.
 - Microperforated mounting plate.
 - Telequick mounting plate.
 - DIN rail chassis.
- Reusable packaging.



Example of specific ATEX marking.



Delivered in reusable cardboard with assembly instructions enclosed and wall installation template on the cardboard.

Introduction

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 × 25 shouldered backstuds for mounting the chassis 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 × 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.



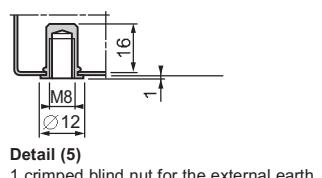
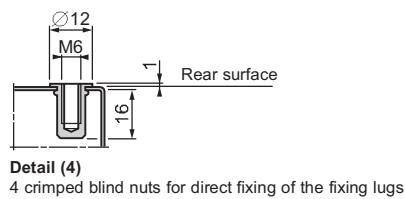
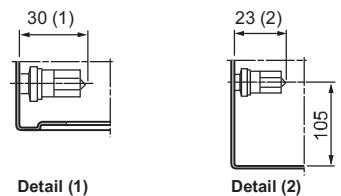
Enclosure dimensions (mm)			Enclosure reference	Mounting plates				Mixed symmetrical chassis	Bars slides	Fixing legs	
Height	Width	Depth		Plain	Silkscreened	Microperforated	Telequick			Steel	Stainless steel
300	200	150	NSYS3DEX3215	NSYMM32	-	-	NSYMR32	-	-	NSYAEPPFSC	NSYAEPPFXSC
300	300	200	NSYS3DEX3320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



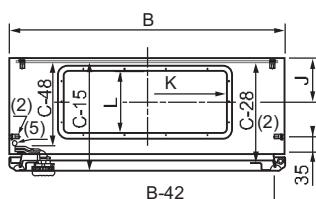
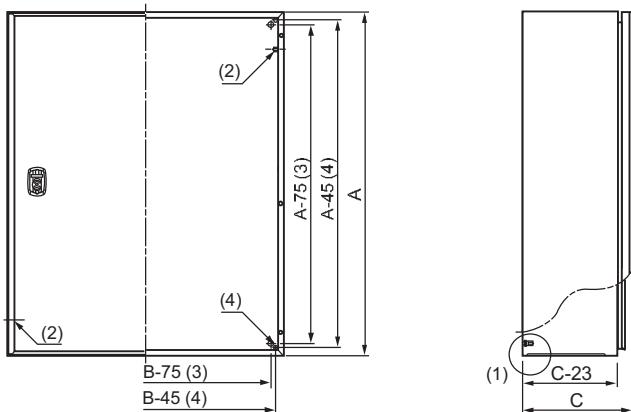
The accessories of the Spacial standard wall-mounting enclosures can be installed in the Spacial S3DEX wall-mounting enclosures. However, plastic accessories should not be used, due to the risk of a static charge.

A: Height
B: Width
C: Depth

- (1) 4 M8 × 25 mm backstuds.
- (2) 2 M6 × 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.

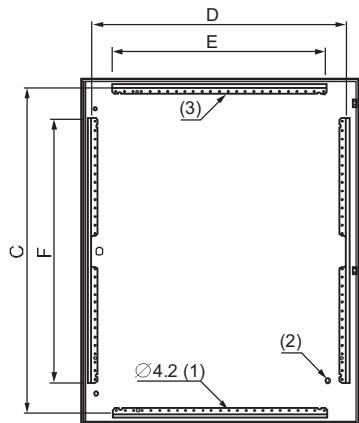


1-door enclosure



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

Perforated rails on the door



- (1) Perforations with a pitch of 25 mm.
- (2) 1 M6 × 17.5 mm earthing stud.

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

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



Enclosure delivered with solid chassis

The steel enclosure suited to your electromagnetic protection needs

- Single-piece metal enclosures made from special sheets of ALUZINC 150.
- The presence of 55% aluminium on the surface of the sheet metal ensures good reflection of electromagnetic waves.
- Painted on the outside with epoxy-polyester resin, RAL 7035 grey, structured.

Technical characteristics

- Protection degree: IP 55, according to IEC 60529.
 - Resistance to external mechanical impacts: IK 10.
 - Body:
 - Single-piece body, folded and welded.
 - Entirely sealed body with no cable entry and no opening.
 - Equipped with four shouldered backstuds allowing direct fixing of the chassis:
 - Built-in solid chassis made from galvanised sheet steel (potential reference sheet).
 - Its low resistivity promotes earth continuity.
 - Direct fixing or using wall-fixing lugs, ref. **NSYPFCR** (to be ordered separately).
 - Door:
 - The special body-door gasket (IP + EMC) provides, in addition to water and dust **tightness**, electric continuity between the door and the body of the enclosure.
 - The metal lock with earth continuity helps improve the general shielding.
 - An earthing braid added to the enclosure between the body and the door guarantees a good earth connection and, consequently, good electromagnetic compatibility.
 - 3-mm double-bar lock.
- Other sizes: consult us.

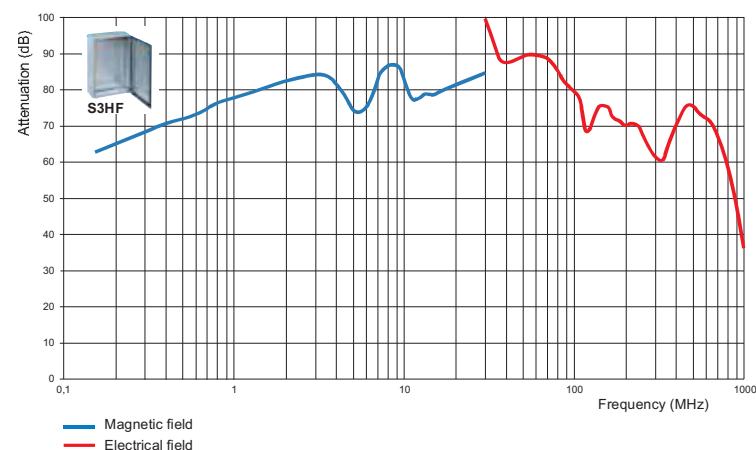
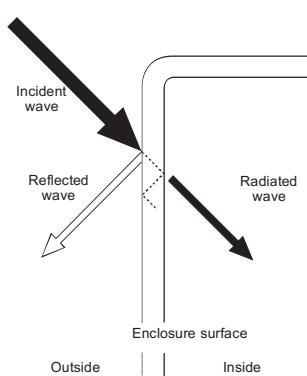
Dimensions (mm)			Fig.	Weight Kg	Reference
Height	Width	Depth			
400	300	200	1	7.5	NSYS3HF4320P
400	600	200	1	13.0	NSYS3HF4620P
500	400	200	2	11.5	NSYS3HF5420P
600	400	200	2	13.0	NSYS3HF6420P
600	600	250	2	20.5	NSYS3HF6625P
700	500	250	2	19.0	NSYS3HF7525P
800	600	300	2	32.8	NSYS3HF8630P
1000	800	300	2	53.2	NSYS3HF10830P
1200	800	300	2	59.0	NSYS3HF12830P

Fixing lugs, ref. **NSYPFCR** to be ordered separately (1 set of 4 lugs).

Attenuation of the Spacial S3HF enclosure

The graphic next to these lines shows the attenuation curves (dB) according to the frequency (MHz).

General information on Electromagnetic Compatibility, see pages 9/14 to 9/16.



A = Height.
B = Width.
C = Depth.

Figure 1

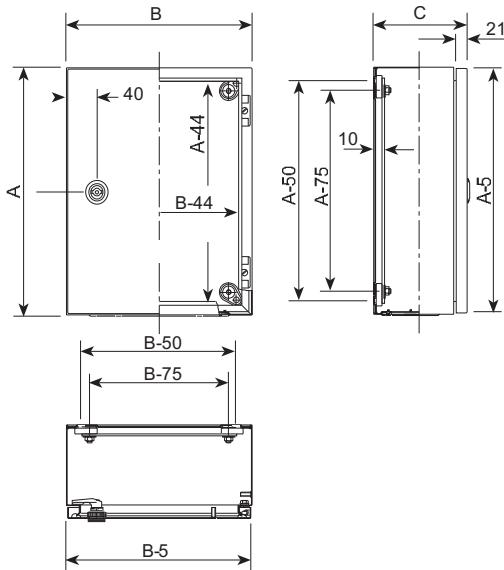
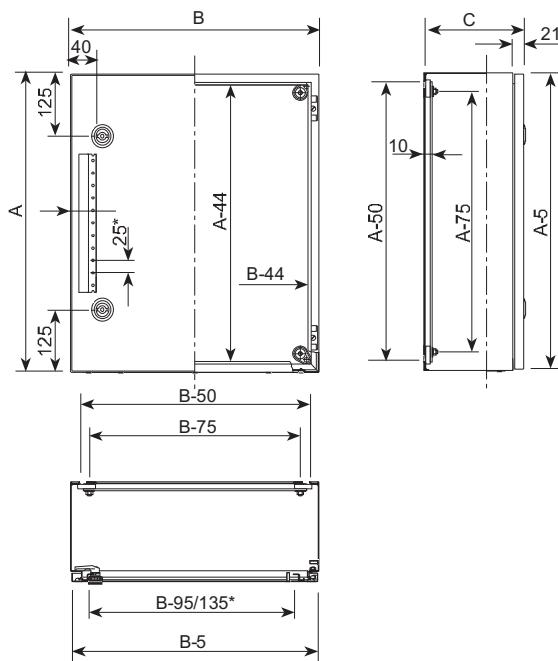


Figure 2



2

* Model 1200 × 800.



See also
the accessories

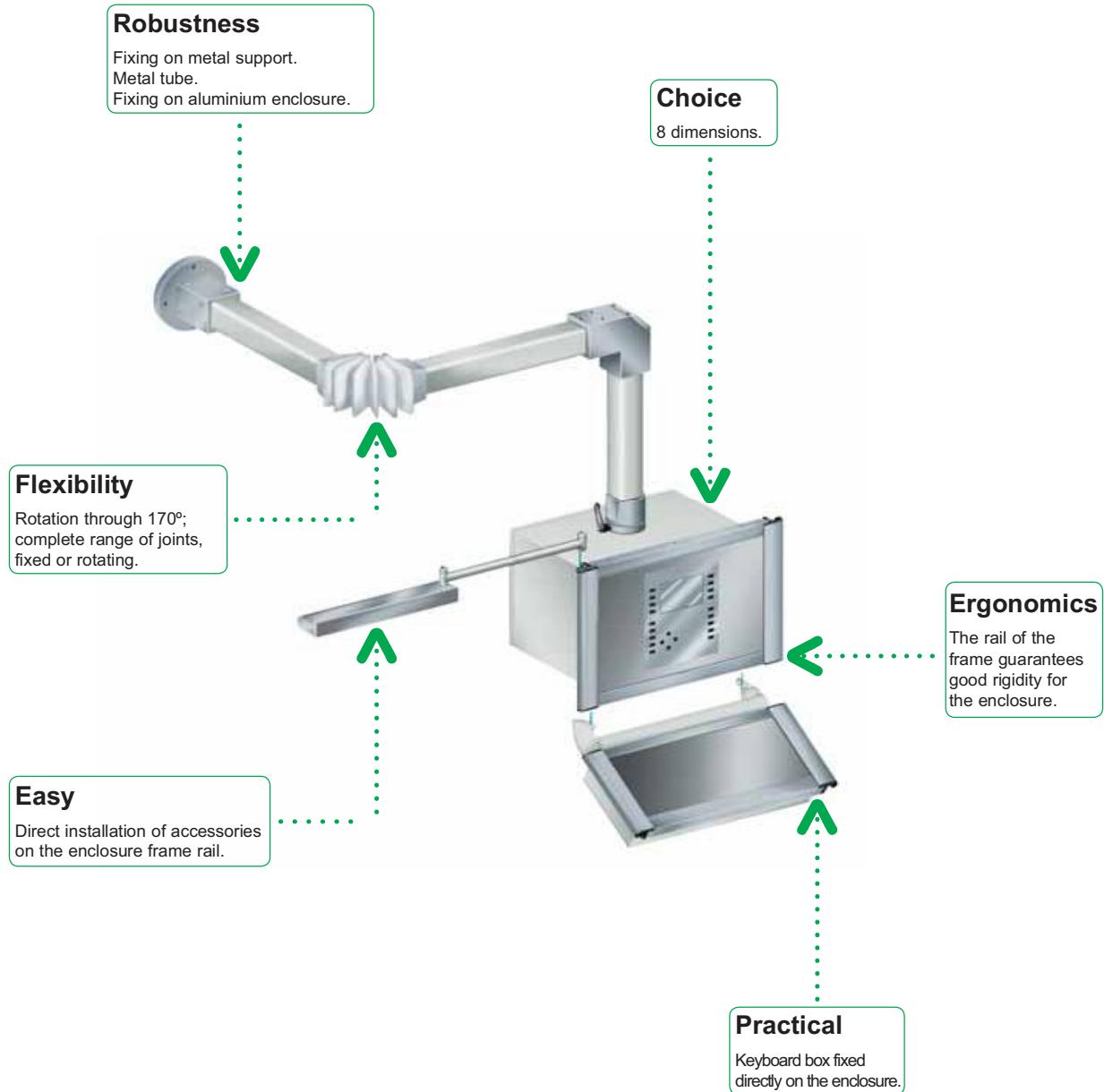
Door accessories
see page 7/130

Rails
see page 7/50

Ventilation
see page 8/20

The Control and Human-Machine Dialogue enclosure, ideal for all your interfaces

2



Spacial S3CM

2

The Spacial S3CM offer for human-machine dialogue consists of:

- Control enclosures.
- A box-keyboard.
- A system of arms and joints, fixed or rotating.
- Accessories.

The global dialogue system combines robustness with aesthetics and ergonomics.



Choice

8 enclosure sizes, with steel body, from 300 × 300 × 200 mm to 800 × 600 × 300 mm.

Solid

IK 10.
Top wall reinforced by a plate with a thickness of 3 mm.



Sealing

IP 54, polyurethane gasket.

Aesthetics

Extruded aluminium rail frame.
RAL 7040 paint: body.
RAL 7035 paint: enclosure.

Customisation to your image or the aesthetics of your machine: consult us.



Easy

Easy access to the equipment by a rear door, opening to 120°.

Robustness

2 tube sizes in extruded steel, 50 and 80 mm square, thickness 4 mm.

Practical

Large range of accessories.

Smart

- Direct installation of accessories on the enclosure frame rail:
 - Lighting.
 - Vertical document support.
 - Keyboard support.
 - Laptop computer support.
- A box-keyboard is installed directly on the enclosure.

Standard equipment

2 perforated rails installed on the 2 lateral sides, for installing equipment, earth connection installed on the body.



Specific

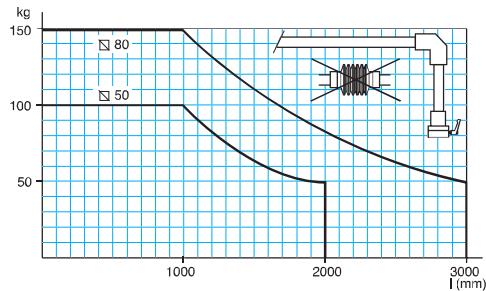
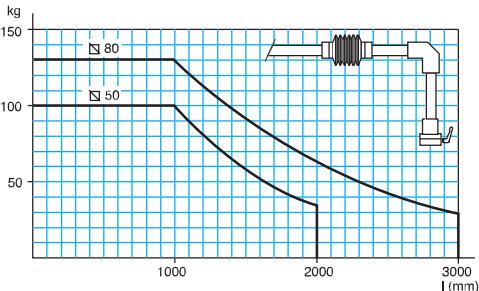
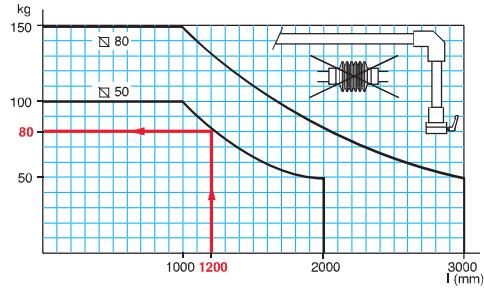
Customised enclosure production,
contact us.

Choice of models according to the load and the overhang



Our system of tubes and joints, fixed or rotating, enables all the solutions to respond to the installation needs of the control enclosures for human-machine dialogue. Every model is suitable for tubes with a square section of 50 mm for light loads, or of 80 mm for heavy loads (see selection table on page 2/60).

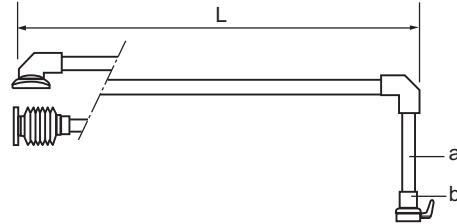
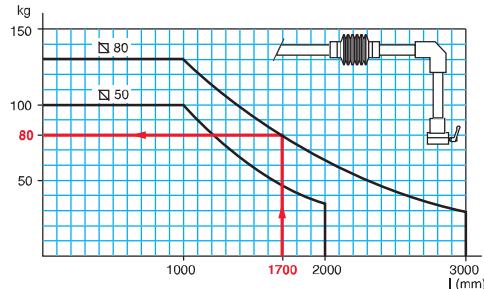
2

Without intermediate joint**Without intermediate joint****Examples****1- Without intermediate joint****1- Suspension system without intermediate joint attached:**

The load (a + b + enclosure + installed equipment) must be less than the maximum load.

Example:

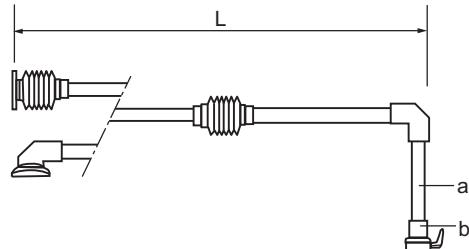
Using a system with a diameter of 50 mm, without intermediate join, with an offset of 1200 mm, the maximum supported load is 80 kg.

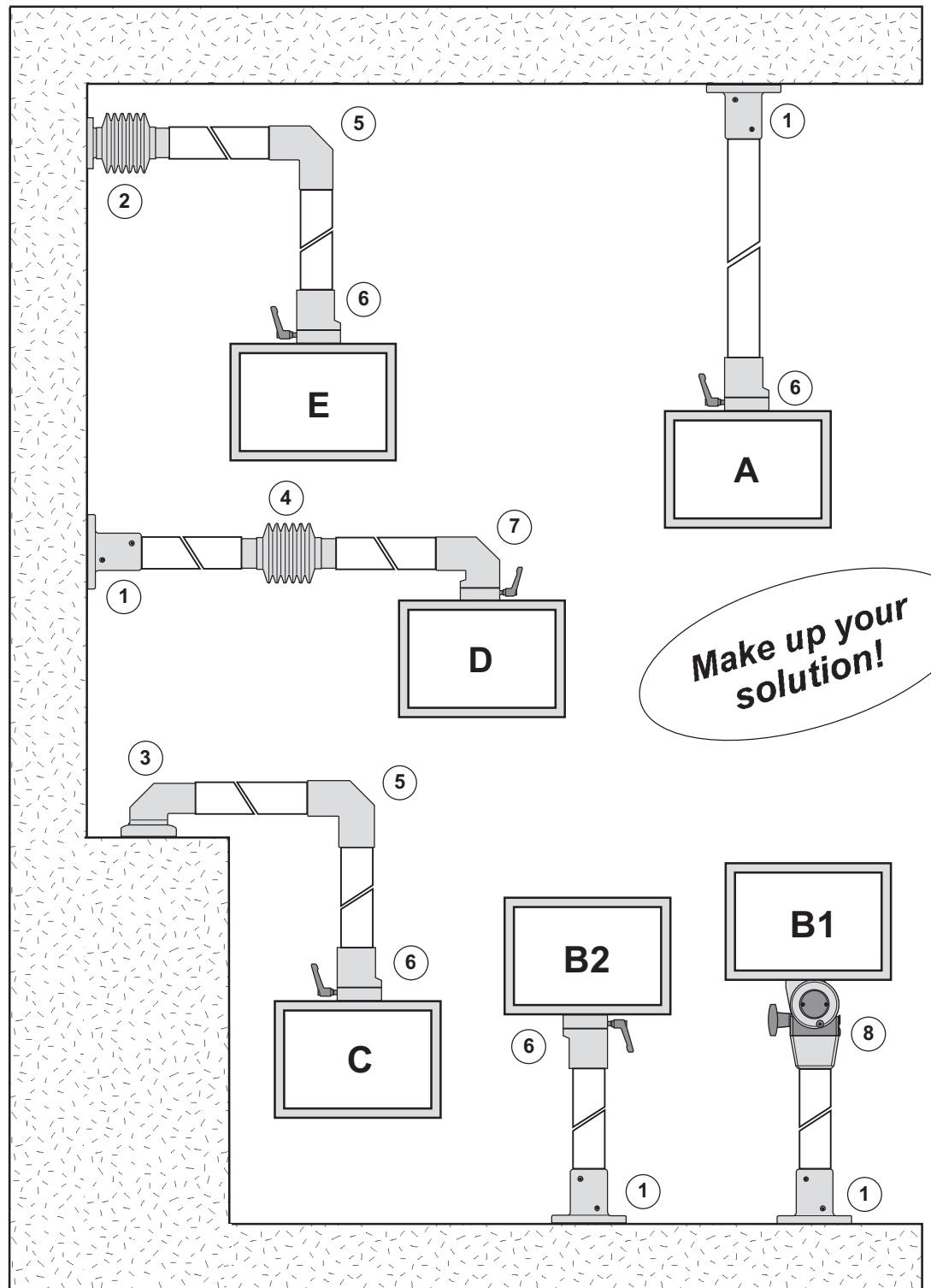
**2- Without intermediate joint****2- Suspension system with intermediate join attached:**

The load (a + b + enclosure + installed equipment) must be less than the maximum load.

Example:

Using a system with a diameter of 80 mm, without intermediate join, with an offset of 1700 mm, the maximum supported load is 80 kg.





Enclosure	H × W × D (mm) top wall	References					
		To ceiling		B1 floor		B2 floor	
		50 mm	80 mm	50 mm	80 mm	50 mm	80 mm
	300 × 300 × 200	NSYS3CM303020	-	NSYS3CM303020	-	NSYS3CM303020	-
	300 × 400 × 200	NSYS3CM304020	-	NSYS3CM304020	-	NSYS3CM304020	-
	400 × 400 × 200	NSYS3CM404020	-	NSYS3CM404020	-	NSYS3CM404020	-
	400 × 600 × 250	NSYS3CM406025	-	NSYS3CM406025	-	NSYS3CM406025	-
	500 × 500 × 250	NSYS3CM505025	-	NSYS3CM505025	-	NSYS3CM505025	-
	600 × 600 × 200	NSYS3CM606020	-	NSYS3CM606020	-	NSYS3CM606020	-
	600 × 800 × 300	-	NSYS3CM608030	-	NSYS3CM608030	-	NSYS3CM608030
	800 × 600 × 300	-	NSYS3CM806030	-	NSYS3CM806030	-	NSYS3CM806030
Tube	Length (m) / Tube section	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm
	0.5	NSYCMT5005	NSYCMT8005	NSYCMT5005	NSYCMT8005	NSYCMT5005	NSYCMT8005
	1	NSYCMT5010	NSYCMT8010	NSYCMT5010	NSYCMT8010	NSYCMT5010	NSYCMT8010
	1.5	NSYCMT5015	NSYCMT8015	NSYCMT5015	NSYCMT8015	NSYCMT5015	NSYCMT8015
	2	NSYCMT5020	NSYCMT8020	NSYCMT5020	NSYCMT8020	NSYCMT5020	NSYCMT8020
Fixing on support (steel material)							
	① Fixed base	NSYCMUR50	NSYCMUR80	NSYCMUR50	NSYCMUR80	NSYCMUR50	NSYCMUR80
	② Wall fixing with joint	-	-	-	-	-	-
	③ Rotating straight fitting	-	-	-	-	-	-
Inter-tube fitting (aluminium material)							
	④ Horizontal inter-tube joint	-	-	-	-	-	-
	⑤ Fixed bracket	-	-	-	-	-	-
Fixing on enclosure (aluminium material)							
	⑥ Rotating fixing on enclosure	NSYCMUCR50	NSYCMUCR80	-	-	NSYCMUCR50	NSYCMUCR80
	⑦ Rotating fixing in bracket on enclosure	-	-	-	-	-	-
	⑧ Tilting fixing on enclosure	-	-	NSYCMUCP50 (1) NSYCMUCP80 (2)	NSYCMUCP50 (3) NSYCMUCP80 (3)	-	-

(1) For tube Ø 50 mm.

(2) For tube Ø 80 mm.

(3) Installation on an enclosure D300 requires plate ref. NSYCMUCPAD87 (see page 2/72).

Enclosure	H × W × D (mm) top wall	References					
		C on frame.		D wall		E wall	
		50 mm	80 mm	50 mm	80 mm	50 mm	80 mm
	300 × 300 × 200	NSYS3CM303020	-	NSYS3CM303020	-	NSYS3CM303020	-
	300 × 400 × 200	NSYS3CM304020	-	NSYS3CM304020	-	NSYS3CM304020	-
	400 × 400 × 200	NSYS3CM404020	-	NSYS3CM404020	-	NSYS3CM404020	-
	400 × 600 × 250	NSYS3CM406025	-	NSYS3CM406025	-	NSYS3CM406025	-
	500 × 500 × 250	NSYS3CM505025	-	NSYS3CM505025	-	NSYS3CM505025	-
	600 × 600 × 200	NSYS3CM606020	-	NSYS3CM606020	-	NSYS3CM606020	-
	600 × 800 × 300	-	NSYS3CM608030	-	NSYS3CM608030	-	NSYS3CM608030
	800 × 600 × 300	-	NSYS3CM806030	-	NSYS3CM806030	-	NSYS3CM806030
	Length (m) / Tube section	50 mm	80 mm	50 mm	80 mm	50 mm	80 mm
	0.5	NSYCMT5005	NSYCMT8005	NSYCMT5005	NSYCMT8005	NSYCMT5005	NSYCMT8005
	1	NSYCMT5010	NSYCMT8010	NSYCMT5010	NSYCMT8010	NSYCMT5010	NSYCMT8010
	1.5	NSYCMT5015	NSYCMT8015	NSYCMT5015	NSYCMT8015	NSYCMT5015	NSYCMT8015
	2	NSYCMT5020	NSYCMT8020	NSYCMT5020	NSYCMT8020	NSYCMT5020	NSYCMT8020
Fixing on support (steel material)							
	① Fixed base	-	-	NSYCMUR50	NSYCMUR80	-	-
	② Wall fixing with joint	-	-	-	-	NSYCMUMA50	NSYCMUMA80
	③ Rotating straight fitting	NSYCMUMC50	NSYCMUMC80	-	-	-	-
Inter-tube fitting (aluminium material)							
	④ Horizontal inter-tube joint	-	-	NSYCMUIA50	NSYCMUIA80	-	-
	⑤ Fixed bracket	NSYCMUTC50	NSYCMUTC80	-	-	NSYCMUTC50	NSYCMUTC80
Fixing on enclosure (aluminium material)							
	⑥ Rotating fixing on enclosure	NSYCMUCR50	NSYCMUCR80	-	-	NSYCMUCR50	NSYCMUCR80
	⑦ Rotating fixing in bracket on enclosure	-	-	NSYCMUCC50	NSYCMUCC80	-	-
	⑧ Tilting fixing on enclosure	-	-	-	-	-	-

Control enclosure

Introduction

2



Perforated rails installed on lateral studs:



Rear door with double-bar lock.



Frame ergonomics.



Fixing of the trim frame by screws.



Detail of the reinforcement plate.



Installation example.

Technical characteristics:

- RAL 7035 grey, structured finish, epoxy-polyester powder.
- Protection degree: IP 54.
- Resistance to external mechanical impacts: IK 10.
- Dimensions and weights, see page 2/63.

The control enclosures consist of:

- **A steel body equipped with:**

- Reinforcement plate: the top wall is reinforced by a plate (3 mm) and pierced with a hole Ø 54 or 87 mm (according to the reference) to allow hanging installation of the enclosure.
- 4 welded studs on the 2 inner vertical walls, for fixing the rails.
- 2 rails (with drill holes) for installing equipment.
- A rear door, opening to 120° and closing with double-bar lock.

- **An aluminium front face (2.5 mm thick):**

- This surface is protected on both sides by a plastic film, allowing the installation of the dialogue elements.
- A trim frame made from 4 extruded-aluminium rails: the frame and the front face are delivered assembled. Structured finish, epoxy-polyester powder, RAL 7040 grey colour (other colours on demand).

- The design of these rails takes into account the accessory mounting functions (lamp, document support, keyboard support, laptop support, etc.), the ergonomics for handling the enclosure and its overall aesthetics.

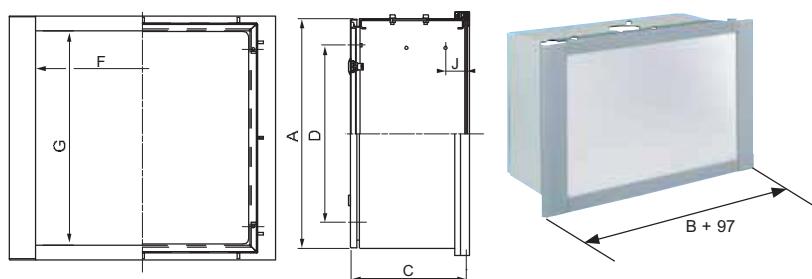


External dimensions (mm)			D	F	G	H	J	K	L	PPC (1)	kg	Tube section (mm)	Enclosure References
Height A	Width B	Depth C											
300	300	200	162	260	260	100	45	58	7	-	8.6	50	NSYS3CM303020
300	400	200	162	260	360	100	45	58	7	-	9.5	50	NSYS3CM304020
400	400	200	262	360	360	100	45	58	7	-	11.4	50	NSYS3CM404020
400	600	250	262	360	560	125	75	58	7	•	17.9	50	NSYS3CM406025*
500	500	250	362	460	460	125	75	58	7	-	20.2	50	NSYS3CM505025
600	600	200	462	560	560	100	45	58	7	•	26.5	50	NSYS3CM606020*
600	800	300	462	560	760	150	100	87	9	-	34.9	80	NSYS3CM608030
800	600	300	662	760	560	150	100	87	9	•	33.6	80	NSYS3CM806030*

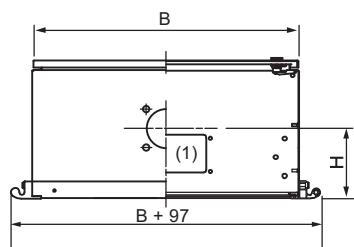
* Enclosure equipped with a cable-gland plate (see diagram below).

A: Height
B: Width
C: Depth

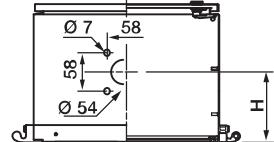
Control enclosure



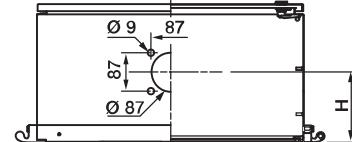
W600 enclosure + keyboard installation



Enclosure D200 to D250



D300 enclosure



(1) PPC: cable-gland plate.

Box-keyboard for control enclosure

Introduction



2



Specific

The box is installed on the control enclosures with a width of 600 mm. It then has an angle of 120° with its front face. All the accessories required for installation are delivered with 2 brackets and 1 trim rail, 1 hose for cable entry.

Technical features:

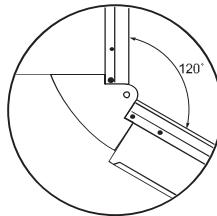
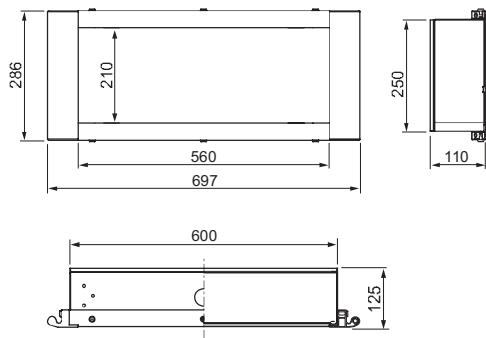
- Protection degree: IP 54.
- Resistance to external mechanical impacts: IK 10.
- Weight: 8 kg.

The box for the keyboard consists of:

- A steel body, structured finish, epoxy-polyester powder, RAL 7035 grey colour, with a screwed cover.
 - An aluminium front face (2.5 mm thick) for installing a keyboard.
 - A trim frame made from 2 extruded-aluminium rails guaranteeing ergonomic handling of the box and the aesthetics of the unit.
- The frame and the front face are delivered assembled. Structured finish, epoxy-polyester powder, RAL 7040 grey colour.

These enclosures can be customised (colour, machining, etc.). Please contact us.

External dimensions (mm)			Box-keyboard
Height	Width	Depth	Reference
250	600	110	NSYCMT2560110



Detail from the installation of the box-keyboard on the control enclosure



Example
Enclosure equipped with the box-keyboard.

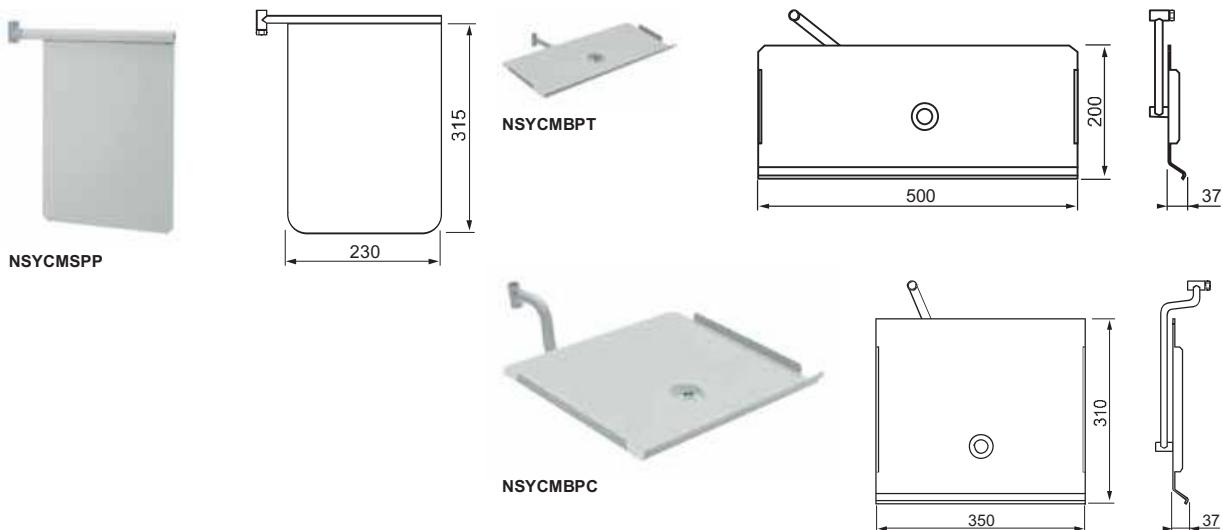


Support example.

Support

- Three different types of support are available:
 - Vertical support for documents, size 315×230 mm, sheet steel 1.2 mm thick.
 - Horizontal support for keyboard, size 500×200 mm, sheet steel 2 mm thick.
 - Horizontal support for laptop computer, size 350×310 mm, sheet steel 2 mm thick.
- Installation on the left or right rail of the frame of the control enclosure.
- Structured finish, epoxy-polyester powder, RAL 7035 grey colour.

Weight (kg)	Type of support	References
1.15	Vertical	NSYCMSPP
2.16	Keyboard	NSYCMBPT
2.04	Laptop computer	NSYCMBPC

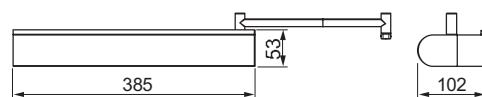


NSYCMLAG lighting.

Lighting

- A lighting device adapts directly to the left or right rail of the frame of the control enclosure.
- Low-power lighting source, E27 socket, 11 W, 220-240 V / 50-60 Hz.
- Protection degree: IP 20.
- Insulation class II.
- According to standards IEC 55014 and IEC 61000-6-2.
- Weight: 1.5 kg.

Name	Reference
Lighting	NSYCMLAG



Composition

Fixing on support

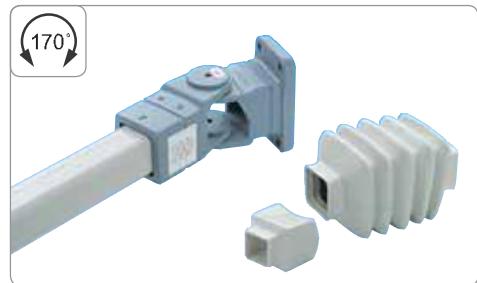
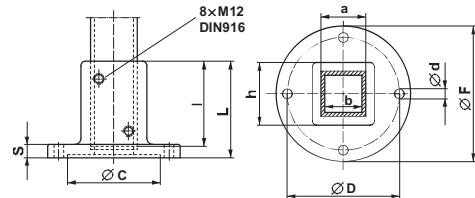


2

1 Fixed base

- Support foot for direct horizontal or vertical connection.
- Material: moulded steel, structured finish, powder, RAL 7040 grey colour.

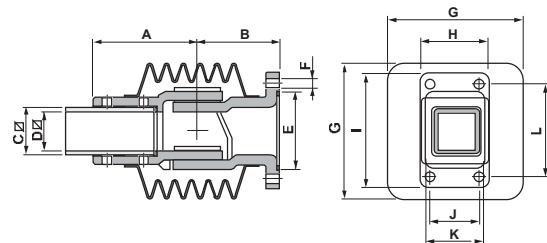
	Dimensions (mm)										Weight (kg)	References
	a	b	c	d	D	F	h	I	L	S		
50 mm square	42	105	11	125	152	72	97	110	15		3.25	NSYCMUMR50
80 mm square	72	134	11	173	201	111	126	140	16		7	NSYCMUMR80



2 Wall fixing with joint

- Device allowing rotation through 170° of a horizontal tube, with a square section of 50 or 80 mm, and its fixing on a vertical surface.
- Protection by bellows, RAL 7035 grey colour.
- Possibility of passing cables through the inside of the joint.
- Material: moulded steel, structured finish, powder, RAL 7040 grey colour.

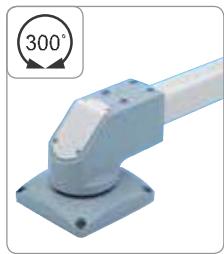
	Dimensions (mm)												Weight (kg)	References
	C for tube	A	B	D	E	F	G	H	I	J	K	L		
50 mm square	118	92	42	85	11	148	80	130	55	68	105		4.35	NSYCMUMA50
80 mm square	160	115	72	130	11	190	115	175	90	103	150		9.45	NSYCMUMA80



Composition

Fixing on support

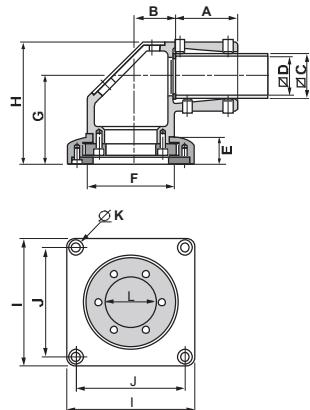
2



③ Rotating straight fitting

- Device allowing the fixing and rotation through 295° of tubes, with a square section of 50 or 80 mm, in horizontal position.
- Without blocking the chosen position.
- Option of passing cables through the inside.
- Material: moulded steel, structured finish, epoxy-polyester powder, RAL 7040 grey colour.
- Fixing by 4 screws, not included.

	Dimensions (mm)												Weight (kg)	References
□ c	A	B	D	E	F	G	H	I	J	K	L			
50 mm square	68	50	42	30	96	96	134	140	120	9	55	5.4	NSYCMUMC50	
80 mm square	98	74	72	45	144	141.5	195.5	210	180	13	84	15.7	NSYCMUMC80	



Example

Installation with tilting
fixing on the enclosure
and fixed base.

Composition

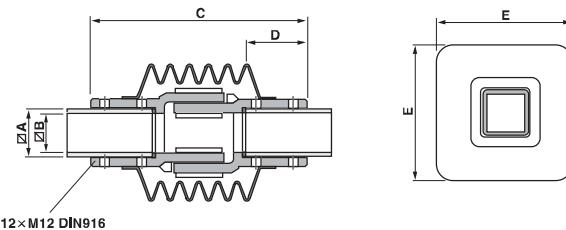
Inter-tube fitting



④ Horizontal inter-tube joint

- Device allowing the linking and rotation through 170° of 2 horizontal tubes, with a square section of 50 or 80 mm.
- Protection by bellows, RAL 7035 grey colour.
- Possibility of passing cables through the inside of the joint.
- Material: moulded steel, structured finish, powder, RAL 7040 grey colour.

Dimensions (mm)					Weight (kg)	References
A for tube	B	C	D	E		
50 mm square	42	236	67	148	4.25	NSYCMUIA50
80 mm square	72	320	94	190	10	NSYCMUIA80

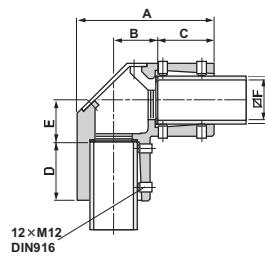


⑤ Fixed bracket

Our system of tubes and joints, fixed or rotating, enables all the solutions to respond to the installation needs of the control enclosures for human-machine dialogue. Every model is suitable for tubes with a square section of 50 mm for light loads, or of 80 mm for heavy loads (see selection table on page 2/60).

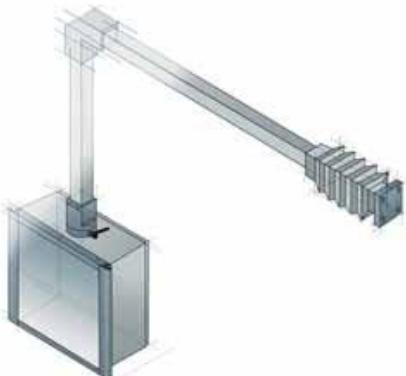
- Device allowing the combination and fixing of a horizontal tube with a vertical tube.
- Two models for tubes with a square section of 50 or 80 mm.
- Option of passing cables through the inside.
- Material: aluminium, structured finish, powder, RAL 7040 grey colour.

Dimensions (mm)							Weight (kg)	Fixed bracket References
G	A	B	C	D	E	F		
50 mm square	144	46	60	60	46	42	1.35	NSYCMUTC50
80 mm square	193	56	83	83	56	70	2.4	NSYCMUTC80



Composition

Inter-tube fitting



Example

Installation on
enclosure with rotating
straight fixing, fixed
fitting bracket and
support fixing with
joint.

2



Installation example

Installation with
rotating straight fixing
on enclosure, inter-
tube joint and rotating
straight fitting.

Composition

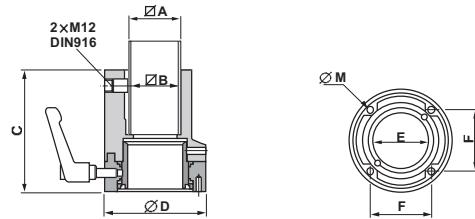
Fixing on enclosure



⑥ Rotating fixing on enclosure

- Device allowing the fixing and rotation through 310° of tubes, with a square section of 50 or 80 mm, in vertical position.
- System for blocking in the chosen position.
- Option of passing cables through the inside.
- Material: aluminium, structured finish, powder, RAL 7040 grey colour.
- Fixing through the support surface by 4 screws.

Dimensions (mm)							Weight (kg)	References
Ø A	B	C	D	E	F	M		
50 mm square	42	115	96	52,3	58	M6	1.25	NSYCMUCR50
80 mm square	72	145	139	85	87	M8	3.1	NSYCMUCR80



Composition

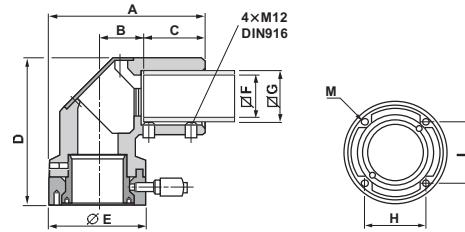
Fixing on enclosure



7 Rotating fixing in bracket on enclosure

- Devices allowing the fixing and rotation through 310° of tubes, with a square section of 50 or 80 mm, in horizontal position.
- System for blocking in the chosen position.
- Option of passing cables through the inside.
- Material: aluminium, structured finish, powder, RAL 7040 grey colour.
- Fixing through the support surface by 4 screws.

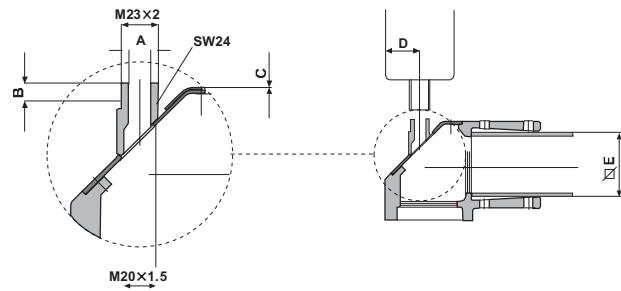
Dimensions (mm)										Weight (kg)	References
G	A	B	C	D	E	F	H	I	M		
50 mm square	154	46	60	147	96	42	42	58	M6	2	NSYCMUCC50
80 mm square	208.5	56	83	190	139	72	70	87	M8	6.55	NSYCMUCC80



Adapter for signalling beacon

- This adapter allows the direct installation of a beacon for signalling the state of the machine.
- It is installed on fixed brackets ref. NSYCMUTC50 and NSYCMUTC80.
- Option of passing cables through the inside.
- Material: aluminium, structured finish, powder, RAL 7040 grey colour.

Dimensions (mm)					Weight (kg)	References
E	A	B	C	D		
50 mm square	14	11	8.7	31.5	0.025	NSYCMACS50
80 mm square	14	11	2.5	43	0.08	NSYCMACS80



Composition

Fixing on enclosure

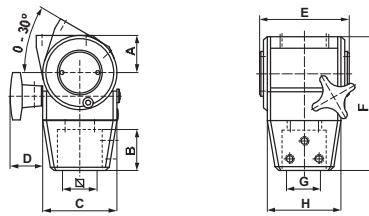


2

⑧ Tilting fixing on enclosure

- This fixing allows the enclosures to be tilted up to 30°.
- System for blocking in the chosen position.
- It is installed on enclosures with depths of 200 and 250 mm.
- The installation on enclosures with a depth of 300 mm requires an adapter plate.

☒ for tube	Dimensions (mm)								Weight (kg)	References \ 50 mm
	A	B	C	D	E	F	G	H		
50 mm square	50	55	100	44	121	182	50	100	2.98	NSYCMUCP50
80 mm square	50	55	100	44	121	182	50	100	3.10	NSYCMUCP80

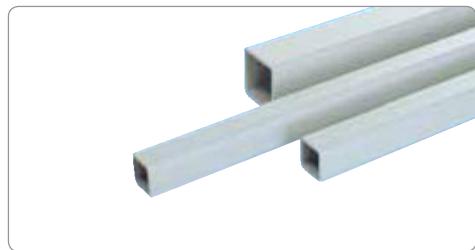


Adapter part for enclosure D300 / Ø 80 mm

Reference NSYCMUCPAD87

Composition

Length elements

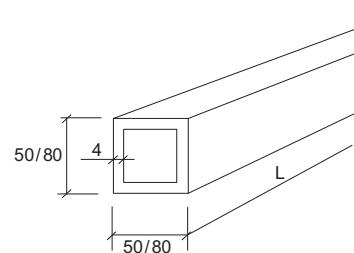


Tube

- The tubes are available in:
 - 2 sizes: square of 50 and 80 mm,
 - 4 lengths: 0.5, 1, 1.5 and 2 m.
- Material: extruded steel, 4 mm thick, structured finish, powder, RAL 7035 grey colour.
- Weights:
 - 50×80 : 6.5 kg / m.
 - 80×80 : 10.5 kg / m.

2

Joints		
References		
Length (m)	50 mm square	80 mm square
0.5	NSYCMT5005	NSYCMT8005
1	NSYCMT5010	NSYCMT8010
1.5	NSYCMT5015	NSYCMT8015
2	NSYCMT5020	NSYCMT8020



Specific

Cut-outs on
front face:
contact us.

