

Polyester wall-mounting enclosures

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

Protection

- IP 66.
- Polyurethane seal.
- Built-in canopy.
- Lock outside sealed area.

Choice

- 1 ABS/PC version and 7 polyester versions.
- Smooth or glazed door.

Easy

- Door easily reversible by turning it over.
- Opening to 120° or 180°.
- Easy machining with no corrosion.
- Lightness.



Smart

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

Customisation

- Configured: machining and accessories.
- Specific: non-standard colour and accessories.

Safety

- Full insulation (to produce class II units).
- Mechanical strength.
- No risk to the public.

Applications

- Industry or infrastructures in harsh environments.
- Indoor or outdoor installation.
- Accessories for modular distribution.

General characteristics of the Thalassa PLM wall-mounting enclosures:

- Indoor or outdoor use.
- 1 size for the ABS/PC wall-mounting enclosure (310 × 215 × 160 mm).
- 7 sizes of polyester wall-mounting enclosures.
- Monobloc body including the canopies (seal protection), except for wall-mounting enclosure ref. **NSYPLM3025**.
- Doors with polyurethane seal.
- 2 types of doors.
 - Smooth.
 - Transparent (for the ABS/PC enclosure) or glazed (for the polyester enclosures).
- Reversible door opening direction by turning the enclosure over.
- Degree of protection IP 66 according to standard IEC 60529.
- Impact resistance IK 10 for the plain doors and surfaces and IK 08 for the glazed doors of the polyester versions, according to standard IEC 62262.
- Many accessories in common with the range of steel wall-mounting enclosures, Spacial S3D or Spacial CRN.

Properties of the material of the polyester versions

The wall-mounting enclosures are made from polyester reinforced with fibreglass, moulded by hot compression, RAL 7032 colour.

This material:

- Is insulating: several kV per mm.
- Withstands cold and heat in the range of -50 °C...+150 °C.
- Does not soften under intense heat (ball resistance at +150 °C).
- Is self-extinguishing (does not propagate fire): HB40 classification and self-extinguishing in several seconds during the glow-wire test at 960 °C –30 sec.
- Does not contain halogens.
- Releases little smoke and no toxic smoke in the event of combustion.
- Is light.
- Can be machined easily.
- Is corrosion-resistant: no rusting, and can withstand many chemical agents.
- Can resist bad weather.

Characteristics of the production process of the polyester version

The components of the enclosure (body and doors) are moulded by hot compression: the parts have an excellent finish on both sides and can include bosses for accommodating inserts and accessories for mounting or cable-management.

Certificate of conformity with enclosure standard IEC 62208 for:

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

UL certification and NEMA classification 4x and 13 for the polyester wall-mounting enclosures

Full insulation to produce class II units according to IEC 61439-1

Complies with the RoHS directive

ABS/PC wall-mounting enclosures 310 × 215 mm IP 66

Introduction



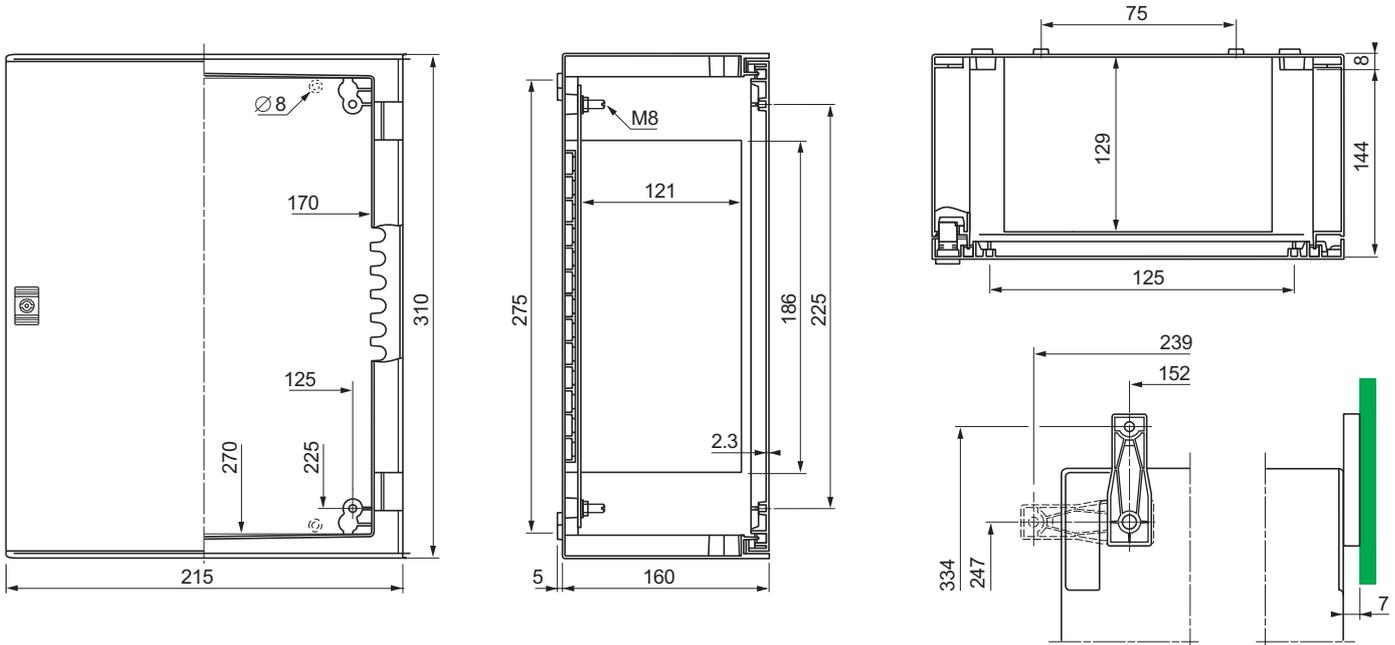
Technical characteristics

- Monobloc wall-mounting enclosure made from ABS/PC, RAL 7032 colour.
- Version with transparent polycarbonate door.
- Closes with a 3-mm double-bar lock.
- Door opening: 180°.
- Degree of protection: -35 °C...+90 °C.
- Protection rating IP 66 according to IEC 60529.
- Resistance to external mechanical impacts of IK 10 (20 joules) according to IEC 62262.
- Direct fixing of symmetrical rails ref. **NSYCS200PLM** with plastic nuts ref. **NSYTCSPLM**, to be installed in the notches on the rear of the body, with a pitch of 25 mm.
- Fixing of installation plates on the studs at the rear of the enclosure.
- Back of the door with a 25-mm grid pattern.

| External dimensions (mm) | | | References of wall-mounting enclosures with door | |
|--------------------------|-------|-------|--|------------------|
| Height | Width | Depth | Plain* | Transparent |
| 310 | 215 | 160 | NSYPLM32 | NSYPLM32T |

*These enclosures are also available equipped with metallic or insulating mounting plates. See summary guide of the references on page 6/22.

Dimensions



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Polyester wall-mounting enclosures 308 × 255 mm IP 66

Introduction



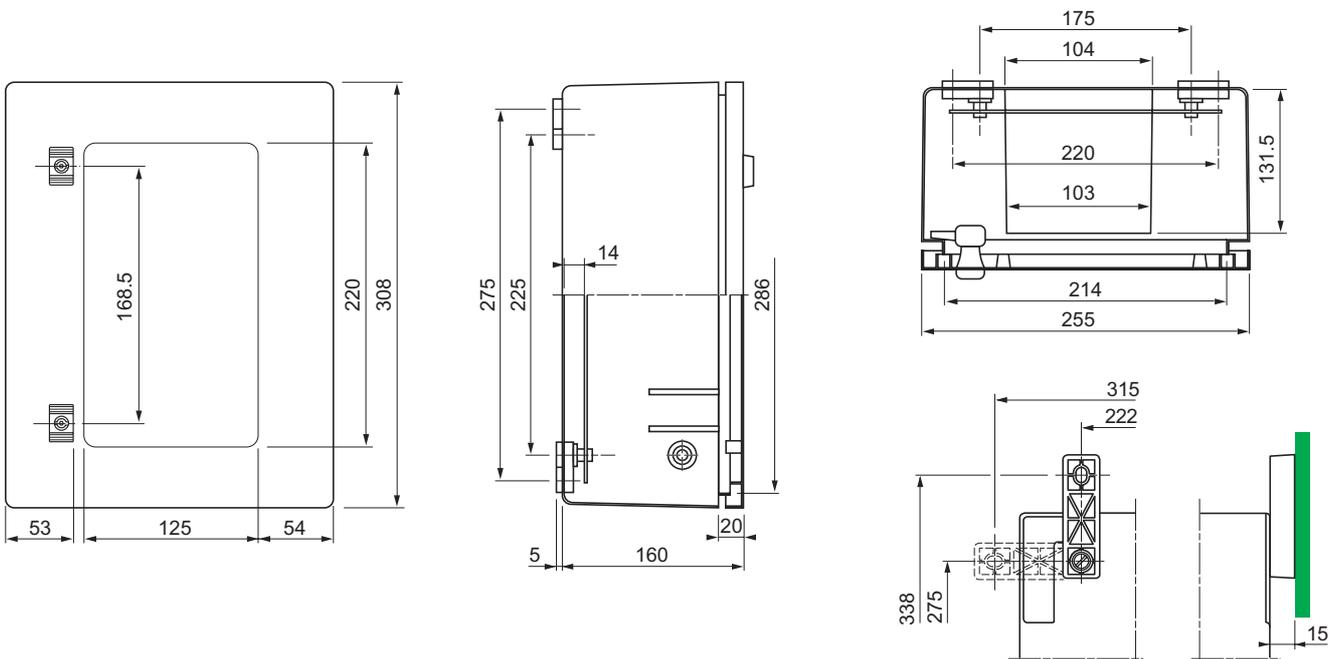
Technical characteristics

- Monobloc wall-mounting enclosure made from polyester reinforced with fibreglass, moulded by hot compression, RAL 7032 grey colour.
- Version with transparent tempered-glass door.
- Degree of protection IP 66 according to IEC 60529.
- Resistance to external mechanical impacts:
 - Plain door enclosures IK 10 (20 joules).
 - Glazed door enclosures IK 08 (5 joules) according to IEC 62262.
- Closes with two 3-mm double-bar locks.
- Door opening angle: 120°.
- Fixing of rear accessories on 4 M8 × 18 studs.
- Grid pattern with a pitch of 50 mm on the back of the door.

| External dimensions (mm) | | | References of wall-mounting enclosures with door | |
|--------------------------|-------|-------|--|-------------|
| Height | Width | Depth | Plain* | Transparent |
| 308 | 255 | 160 | NSYPLM3025 | NSYPLM3025T |

*These enclosures are also available equipped with metallic or insulating mounting plates. See summary guide of the references on page 6/22.

Dimensions



Polyester wall-mounting enclosures IP 66

Introduction



Technical characteristics

- Monobloc wall-mounting enclosure made from polyester reinforced with fibreglass, moulded by hot compression, RAL 7032 grey colour.
- Version with transparent tempered-glass door.
- Degree of protection IP 66 according to IEC 60529.
- Resistance to external mechanical impacts:
 - Plain door enclosures IK 10 (20 joules).
 - Glazed door enclosures IK 08 (5 joules) according to IEC 62262.
- Locking device outside the sealed area, guaranteeing the tightness of IP 66 over time.
- Locking system:
 - Enclosure height ≤ 847 mm: 2 locks with double-bar insert or 1 handle with key lock and 3-point closure.
 - Enclosure height 1056 mm: 1 lock with double-bar insert and 4-point closure.
- Door opening angle: 180°.
- Bosses for accessory-fixing inserts: M6 inside the enclosure, M5 in the door for enclosure heights of 430 and 530 mm, M6 in the door for enclosure heights ≥ 647 mm.
- Fixing of rear accessories on 4 M8 studs, included in the standard supply.
- Direct fixing of symmetrical rails ref. **NSYCS●●●PLM**, with plastic nuts, ref. **NSYTCSPLM**, to be installed in the notches on the rear of the body, with a pitch of 25 mm.
- Grid pattern with a pitch of 25 mm on the back of the door.



Polyamide hinge pin, easily removable and captive.



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

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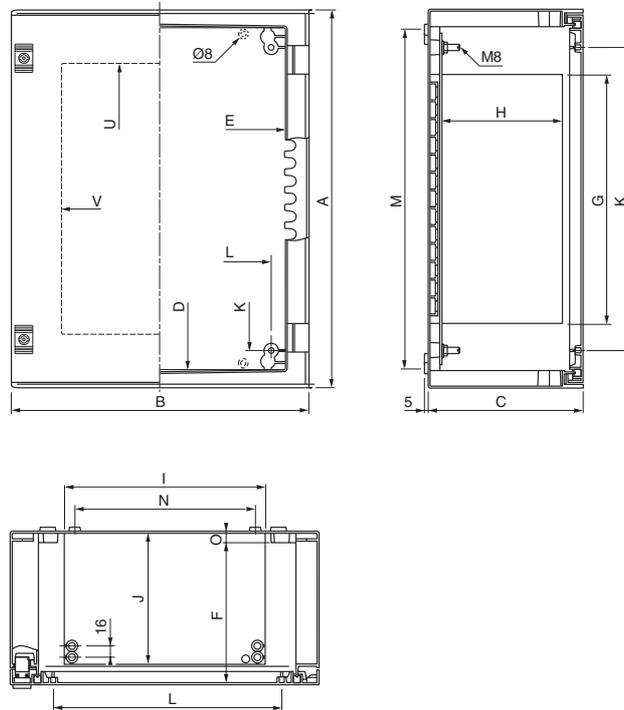
| External dimensions (mm) | | | References of wall-mounting enclosures with door | | | |
|--------------------------|-----------|-----------|--|-----------|----------------|-----------------|
| Height (A) | Width (B) | Depth (C) | Plain (3) | Plain (1) | Transparent | Transparent (1) |
| 430 | 330 | 200 | NSYPLM43 | NSYPLM43V | NSYPLM43T | NSYPLM43TV |
| 530 | 430 | 200 | NSYPLM54 | NSYPLM54V | NSYPLM54T | NSYPLM54TV |
| 647 | 436 | 250 | NSYPLM64 | NSYPLM64V | NSYPLM64T | NSYPLM64TV |
| 747 | 536 | 300 | NSYPLM75 | NSYPLM75V | NSYPLM75T | NSYPLM75TV |
| 847 | 636 | 300 | NSYPLM86 | NSYPLM86V | NSYPLM86T | NSYPLM86TV |
| 1056 | 852 | 350 | NSYPLM108 (2) | - | NSYPLM108T (2) | - |

(1) Wall-mounting enclosure with handle and lock with 3-point closure and key 1242 E delivered as standard.
 (2) Wall-mounting enclosure with standard 5-mm double-bar lock and lock with 4-point closure.
 (3) These enclosures are also available equipped with metallic or insulating mounting plates. See summary guide of the references table on page 6/22.

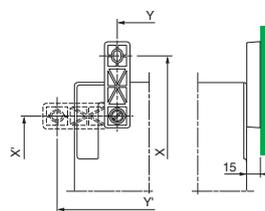
Polyester wall-mounting enclosures IP 66

Dimensions

A: Height
B: Width
C: Depth



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



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

Polyester wall-mounting enclosure

Selection guide

Summary guide of the references



| External dimensions (mm) | | | ABS/PC wall-mounting enclosures IP 66 | | Polyester wall-mounting enclosures IP 66 | | | | Wall-mounting enclosures with plain door and mounting plate | |
|--------------------------|-----|-----|---------------------------------------|--------------|--|--------------|----------------------------|------------------------------|---|-------------|
| H | W | D | Plain door | Transp. door | Plain door | Transp. door | Plain door 3-point closure | Transp. door 3-point closure | Plain | Bakelite |
| | | | Page 6/18 | | Page 6/19 and 6/20 | | Page 6/20 | | | |
| 310 | 215 | 160 | NSYPLM32 | NSYPLM32T | - | - | - | - | NSYPLM32P | NSYPLM32B |
| 308 | 255 | 160 | - | - | NSYPLM3025 | NSYPLM3025T | - | - | NSYPLM3025P | NSYPLM3025B |
| 430 | 330 | 200 | - | - | NSYPLM43 | NSYPLM43T | NSYPLM43V | NSYPLM43TV | NSYPLM43P | NSYPLM43B |
| 530 | 430 | 200 | - | - | NSYPLM54 | NSYPLM54T | NSYPLM54V | NSYPLM54TV | NSYPLM54P | NSYPLM54B |
| 647 | 436 | 250 | - | - | NSYPLM64 | NSYPLM64T | NSYPLM64V | NSYPLM64TV | NSYPLM64P | NSYPLM64B |
| 747 | 536 | 300 | - | - | NSYPLM75 | NSYPLM75T | NSYPLM75V | NSYPLM75TV | NSYPLM75P | NSYPLM75B |
| 847 | 636 | 300 | - | - | NSYPLM86 | NSYPLM86T | NSYPLM86V | NSYPLM86TV | NSYPLM86P | NSYPLM86B |
| 1056 | 852 | 350 | - | - | NSYPLM108 | NSYPLM108T | - | - | - | NSYPLM108B |

Summary guide of the characteristics

| References | NSYPLM32 | NSYPLM3025 | NSYPLM43/54/64/75/86 | NSYPLM108 |
|--------------------------------------|-----------------|-----------------|------------------------------------|---------------------|
| Dimensions (mm) | 310 × 215 × 160 | 308 × 255 × 160 | 430 × 330 × 200 to 847 × 636 × 300 | 1056 × 852 × 350 |
| Material | ABS/PC | Polyester | Polyester | Polyester |
| Degree of protection | IP 66 | IP 66 | IP 66 | IP 66 |
| Impact protection (1) | IK 10 | IK 10 | IK 10 | IK 10 |
| Built-in canopy | Yes | No | Yes | Yes |
| Lock (2) | 1 | 2 | 2 | 1 (4-point closure) |
| Closing with handle (3) | - | - | 1 (3-point closure) | - |
| Lock outside the sealed area | No | No | Yes | Yes |
| Door opening | 180° | 120° | 180° | 180° |
| Notches every 25 mm (4) | Yes | No | Yes | Yes |
| Grid pattern on the back of the door | 25 mm | 50 mm | 25 mm | 25 mm |

- (1) IK 08 glazed door of the polyester enclosures.
- (2) With double-bar insert.
- (3) Handle with insert for key 1242 E.
- (4) Notches in the rear of the enclosure for quick installation of DIN rails.



Specific



Configured

Wall-mounting enclosures with polyester mounting plate, machined or not, see customised offer.

Polyester wall-mounting enclosure

Selection guide

Mounting accessories



| External dimensions of the enclosures (mm) | | | Metallic mounting plates | | | | Insulating mounting plates | | Modular distribution chassis | Step slides | Symmetrical DIN rail |
|--|-----|-----|--------------------------|--------------|-----------------|-----------|----------------------------|------------|------------------------------|-------------|----------------------|
| H | W | D | Plain | Silkscreened | Microperforated | Telequick | Bakelite | Polyester | | | |
| | | | Page 7/2 | | Page 7/3 | Page 7/4 | Page 7/5 | | Page 6/32 | Page 6/29 | Page 6/29 |
| 310 | 215 | 160 | NSYMM32 | - | - | NSYMR32 | NSYMB32 | NSYMPP32 | - | - | NSYCS200PLM |
| 308 | 255 | 160 | NSYMM3025 | - | - | NSYMR3025 | NSYMB3025 | NSYMPP3025 | NSYDLPLM18 | - | - |
| 430 | 330 | 200 | NSYMM43 | NSYMS43 | NSYMF43 | NSYMR43 | NSYMB43 | NSYMPP43 | NSYDLA24 | NSYDPLM200 | NSYCS300PLM |
| 530 | 430 | 200 | NSYMM54 | NSYMS54 | NSYMF54 | NSYMR54 | NSYMB54 | NSYMPP54 | NSYDLA48 | NSYDPLM200 | NSYCS400PLM |
| 647 | 436 | 250 | NSYMM64 | NSYMS46 | NSYMF64 | NSYMR64 | NSYMB64 | NSYMPP64 | NSYDLA48P | NSYDPLM250 | NSYCS400PLM |
| 747 | 536 | 300 | NSYMM75 | NSYMS75 | NSYMF75 | NSYMR75 | NSYMB75 | NSYMPP75 | NSYDLA66 and NSYDLA88 | NSYDPLM300 | NSYCS500PLM |
| 847 | 636 | 300 | NSYMM86 | NSYMS86 | NSYMF86 | NSYMR86 | NSYMB86 | NSYMPP86 | NSYDLA84 and NSYDLA112 | NSYDPLM300 | NSYCS600PLM |
| 1056 | 852 | 350 | NSYMM108 | - | NSYMF108 | NSYMR108 | NSYMB108 | NSYMPP108 | NSYDLA234 | NSYDPLM350 | NSYCS800PLM |

Main accessories



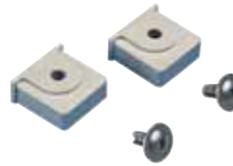
| External dimensions (mm) | | | Fixing lugs | Post-fixing device | Floor-mounting pillar | Coupling frame | Cable-gland plate | Internal door | Blanking plates |
|--------------------------|-----|-----|-------------|--------------------|-----------------------|----------------|-------------------|---------------|-----------------|
| H | W | D | Page 6/25 | Page 6/25 | Page 6/24 | Page 6/24 | Page 6/24 | Page 6/26 | Page 6/25 |
| 310 | 215 | 160 | NSYPPFLM32 | - | - | - | - | - | NSYCEPLMA |
| 308 | 255 | 160 | NSYPPFLM | - | - | - | - | NSYPA3025PLM | - |
| 430 | 330 | 200 | NSYPPFLM | NSYSFP300 | - | - | - | NSYPAP43 | NSYCEPLMB |
| 530 | 430 | 200 | NSYPPFLM | NSYSFP400 | NSYSFSPLM | - | - | NSYPAP54 | NSYCEPLMB |
| 647 | 436 | 250 | NSYPPFLM | NSYSFP400 | NSYSFSPLM | - | - | NSYPAP64 | NSYCEPLMC |
| 747 | 536 | 300 | NSYPPFLM | NSYSFP500 | - | NSYBUPLM | NSYTLA4420 | NSYPAP75 | NSYCEPLMC |
| 847 | 636 | 300 | NSYPPFLM | NSYSFP600 | - | NSYBUPLM | NSYTLA4420 | NSYPAP86 | NSYCEPLMC |
| 1056 | 852 | 350 | NSYPPFLM | - | - | NSYBU108PLM | NSYTLA6420 | NSYPAP108 | - |

Water drain plug



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Rail-fixing nuts



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Ventilation louvre



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Coupling accessories

Coupling frame

- Allows the lateral coupling of 2 enclosures.
- Polyester frame, RAL 7032 colour and fixings.
- A built-in sealing gasket guarantees a protection rating of IP 66.

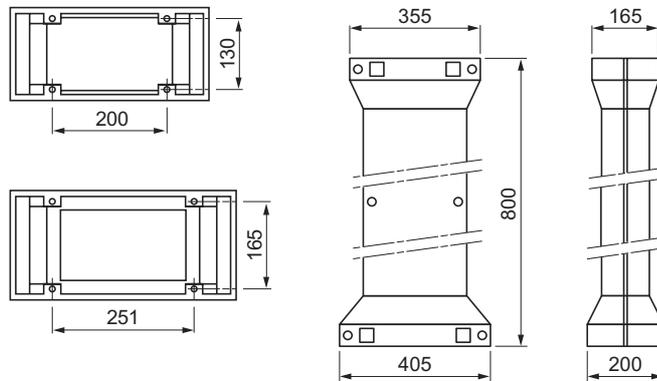
| External dimensions (mm) | Entry | For wall-mounting enclosure | References |
|--------------------------|-----------|-----------------------------|--------------------|
| 435 × 185 × 15 | 398 × 148 | NSYPLM75 and NSYPLM86 | NSYBUPLM |
| 635 × 185 × 15 | 598 × 148 | NSYPLM108 | NSYBU108PLM |

Base accessories

Floor-mounting pillar

- To protect cables entering the enclosure in outdoor installations.
- Material: polyester reinforced with fibreglass. RAL 7032 grey colour.
- Delivered with steel frame for secure fixing to the floor.
- Cable entry section: 165 × 100 mm.
- For enclosures ref. **NSYPLM54**, **NSYPLM54T**, **NSYPLM64** and **NSYPLM64T**.

| Name | Reference |
|-----------------------|------------------|
| Floor-mounting pillar | NSYSFSPLM |



Cable-entry accessories

Cable-gland plates

- Material: polyester.
- Dimensions: 435 × 185 mm and 635 × 185 mm.

| For wall-mounting enclosures | References |
|------------------------------|-------------------|
| NSYPLM75 and NSYPLM86 | NSYTLA4420 |
| NSYPLM108 | NSYTLA6420 |



Cable entries
page 7/102

See also
the accessories

Composition accessories

Fixing accessories



The enclosures can be mounted directly on the walls. The seals and caps supplied as standard with the enclosure guarantee that it maintains its degrees of protection and insulation.



Wall-fixing lugs

- Set of 4 wall-fixing lugs.
- Mounted directly on the enclosure, either in horizontal position or in vertical position.
- Available in 2 versions, polyester loaded with fibreglass or stainless steel.
- Delivered with fixings.
- Acceptable load of 300 kg in vertical position and 100 kg in horizontal position.

| Material | References |
|-----------------|-----------------|
| Polyester* | NSYFPPLM |
| Stainless steel | NSYFXPLM |

*Single reference in polyester, ref. **NSYFPPLM32**, for enclosure ref. **NSYPLM32** and **NSYPLM32T**.



Post-fixing device

- For outdoor installations on a post with a maximum circumference of 675 mm, Ø 215 mm.
- Material: galvanised steel.
- Supply of the rail, the strips and the fixings.
Maximum load: 100 kg.

| For wall-mounting enclosure | References |
|-----------------------------|------------------|
| NSYPLM43 | NSYSFP300 |
| NSYPLM54 and NSYPLM64 | NSYSFP400 |
| NSYPLM75 | NSYSFP500 |
| NSYPLM86 | NSYSFP600 |



Blanking plates

- Made from thermoplastic material, they are positioned on the rear surface of the enclosures to block the openings in the corners in order to improve their appearance or prevent the entry of unwanted elements in the ventilation shaft.
- Supplied as standard for enclosure, ref. **NSYPLM108**.

| For wall-mounting enclosure | References |
|-----------------------------|------------------|
| NSYPLM32 | NSYCEPLMA |
| NSYPLM43 and NSYPLM54 | NSYCEPLMB |
| NSYPLM64, 75 and 86 | NSYCEPLMC |

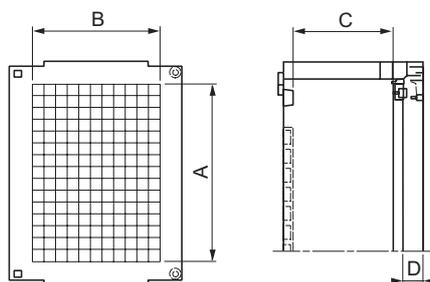
Composition accessories

Door and door accessories



Internal door

- Reversible door made from polyester reinforced with fibreglass, self-extinguishing, RAL 7032 grey.
- Grid pattern with a pitch of 25 mm for easier marking out before drilling.
- Closes with 2 double-bar locks.
- Door handle.
- Delivered with fixings and brass inserts.
- Steel internal door, without grid pattern and locking by a screw, for enclosures ref. **NSYPLM3025**.
- Incompatible with the modular distribution chassis.



| For wall-mounting enclosure (mm) | | Dimensions (mm) | | | | References |
|----------------------------------|-------|-----------------|-----|-----|----|---------------------|
| Height | Width | A | B | C | D | |
| 308 | 255 | 248 | 165 | 62 | 76 | NSYPA3025PLM |
| 430 | 330 | 315 | 205 | 152 | 26 | NSYPAP43 |
| 530 | 430 | 415 | 305 | 152 | 26 | NSYPAP54 |
| 645 | 435 | 515 | 305 | 194 | 32 | NSYPAP64 |
| 745 | 535 | 615 | 405 | 244 | 32 | NSYPAP75 |
| 845 | 635 | 715 | 505 | 244 | 32 | NSYPAP86 |
| 1055 | 850 | 850 | 650 | 269 | 37 | NSYPAP108 |

Composition accessories

Locking system



Locks and inserts for enclosures with H ≤ 847 mm

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

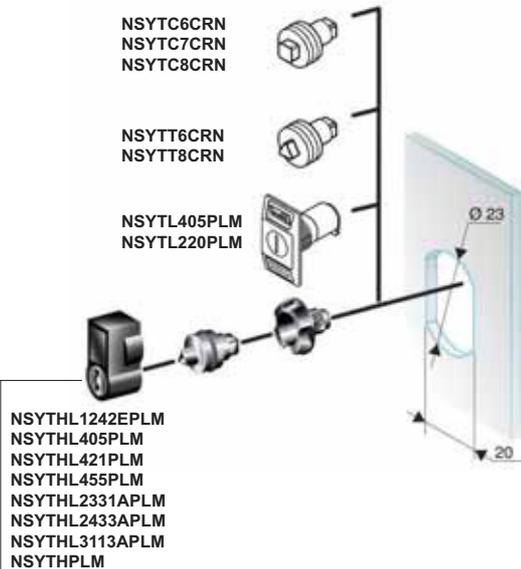
Options to transform the locks with double-bar inserts

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

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

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

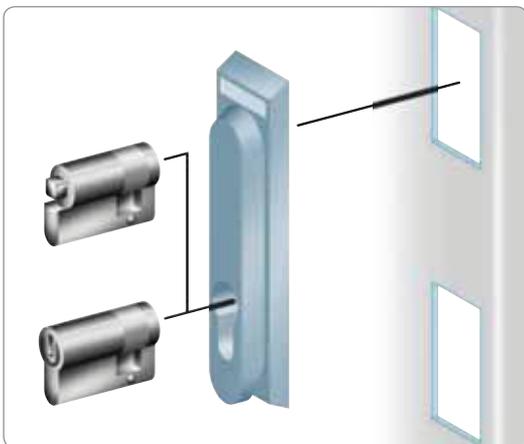
| Type of barrel | References |
|----------------|-----------------------|
| Key 1242 E | NSYTHL1242EPLM |
| Key 405 | NSYTHL405PLM |
| Key 421 | NSYTHL421PLM |
| Key 455 | NSYTHL455PLM |
| Key 2,331 A | NSYTHL2331APLM |
| Key 2,433 A | NSYTHL2433APLM |
| Key 3113 A | NSYTHL3113APLM |
| Manual | NSYTHPLM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



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

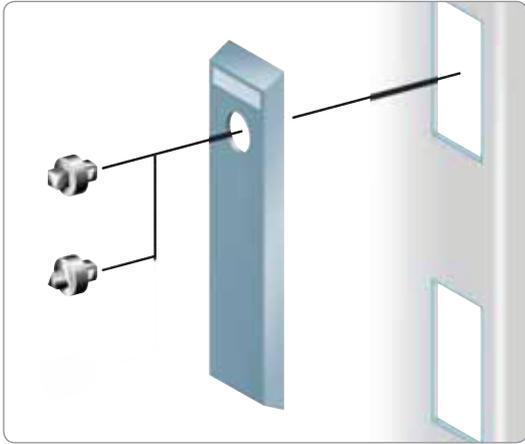
- Transformation of the standard insert (barrel for key 1242E, ref. **NSYTL1242EME**) for other shape inserts or barrels according to the following table:

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



Composition accessories

Locking system



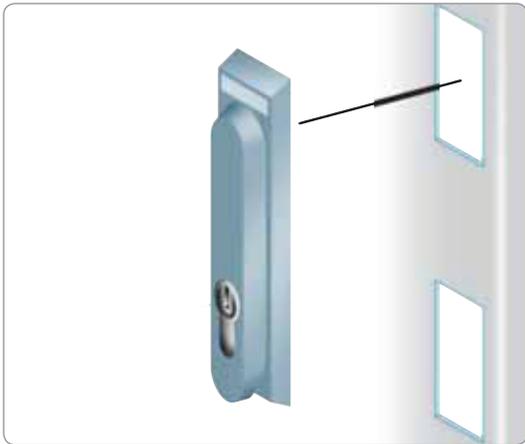
Locks and inserts for enclosures NSYPLM108/T

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

Options to transform the insert

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

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



Options to transform for a retractable handle

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

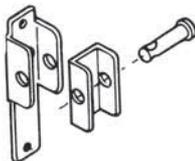
| Name | References |
|---------------------------|----------------------|
| 5-mm double bar | NSYTDB5PL |
| 6-mm male square | NSYTEC6PL |
| 7-mm male square | NSYTEC7PL |
| 8-mm male square | NSYTEC8PL |
| 6.5-mm male triangle | NSYTET6PL |
| 7-mm male triangle | NSYTET7PL |
| 8-mm male triangle |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

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Padlocking accessories

- Padlocking system, ref. **NSYKPLM**, positioned around the rectangular escutcheon of the enclosures with a height of ≤ 847 mm to block access to the lock; for a $\varnothing 9$ mm padlock.



- Padlocking system, ref. **NSYBCPL**, positioned around the long rectangular escutcheon of the enclosures ref. **NSYPLM108/T**, to block access to the lock; for a $\varnothing 9$ mm padlock.



- Padlocking system, ref. **NSYBCME**, to block access to the retractable handle, for the versions **NSYPLM●●V** or optionally for enclosures ref. **NSYPLM108/T**, for a $\varnothing 9$ mm padlock.

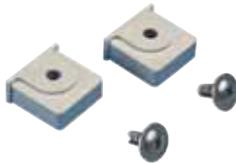
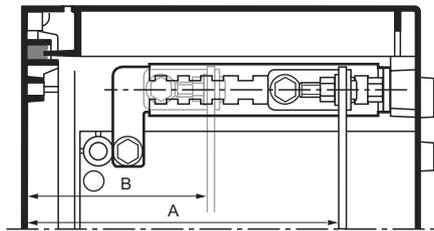


Step slides

For depth adjustment of the mounting plate

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

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



Plastic nuts for rail fixing

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

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



35-mm symmetrical DIN rails

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

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



See also the accessories

Vertical rails page 7/8

Rails page 7/50

Screws page 7/67

Cable management Cable holding page 7/115

Accessories

Diverse



NSYTEX8 NSYTEX6 NSYTEX5

Fixing inserts

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

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



NSYCAG35LP

Ventilation louvres

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



| Name | Reference |
|---------------------|-------------------|
| Ventilation louvres | NSYCAG35LP |

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



NSYVEA9

Water drain plug

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

| Name | Reference |
|------------------|----------------|
| Water drain plug | NSYVEA9 |

Renovation and anti-graffiti paint

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



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



See also the accessories

Power distribution rails
page 7/125

Lighting
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Power distribution accessories

Modular distribution accessories

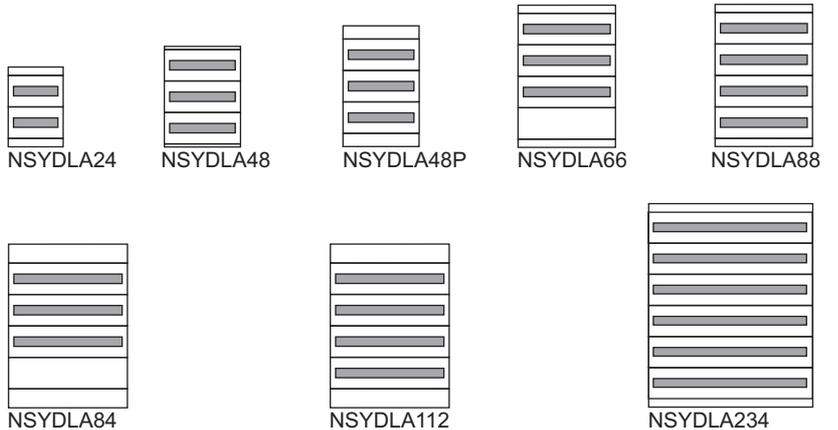


Technical characteristics

Dinimel DLA modular chassis

- Front panels and finish covers, made from self-extinguishing insulating material RAL 7032 colour. Rigid galvanised-steel structure, for the installation of modular devices.
- Open front panels with 35-mm DIN rail and plain front panels with mounting plate, according to the model.
- Quick installation with no fixings.
- Shoulder height adjustable from 40 to 85 mm.
- System for standard circuit marking.
- Incompatible with the internal doors and the step slides.
- Neutral / earth strip: $2 \times 16 \text{ mm}^2 + 5 \times 6 \text{ mm}^2$.

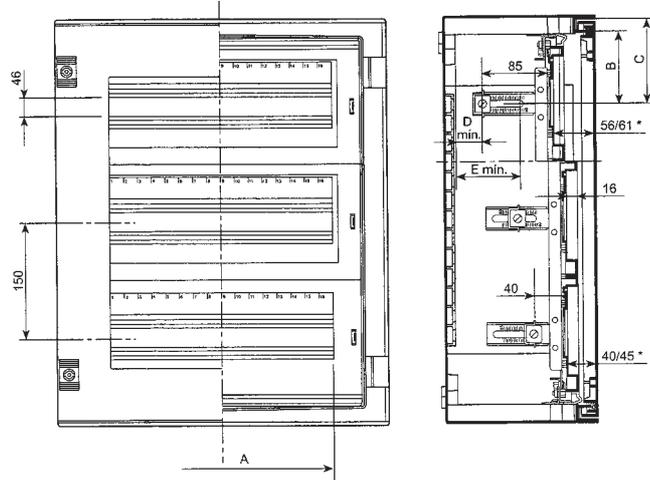
| Dimensions (mm) | | | | | Distribution rows | | | | For installation in the enclosures | | References |
|-----------------|-----|-----|--------|--------|-------------------|--------------|-------------------------|---------------|------------------------------------|-------------|------------------|
| A | B | C | D min. | E min. | No. of rows | Support rail | | No. of plates | Plain door | Glazed door | |
| | | | | | | Amount | Number of 18-mm modules | | | | |
| 216 | 115 | 137 | 38 | 88 | 2 | 2 | 24 | – | NSYPLM43 | NSYPLM43T | NSYDLA24 |
| 286 | 90 | 112 | 38 | 88 | 3 | 3 | 48 | – | NSYPLM54 | NSYPLM54T | NSYDLA48 |
| 286 | 140 | 170 | 80 | 130 | 3 | 3 | 48 | – | NSYPLM64 | NSYPLM64T | NSYDLA48P |
| 395 | 115 | 145 | 129 | 179 | 4 | 3 | 66 | 1 | NSYPLM75 | NSYPLM75T | NSYDLA66 |
| 395 | 115 | 145 | 129 | 179 | 4 | 4 | 86 | – | NSYPLM75 | NSYPLM75T | NSYDLA88 |
| 504 | 165 | 195 | 129 | 179 | 4 | 3 | 84 | 1 | NSYPLM86 | NSYPLM86T | NSYDLA84 |
| 504 | 165 | 195 | 129 | 179 | 4 | 4 | 112 | – | NSYPLM86 | NSYPLM86T | NSYDLA112 |
| 704 | 115 | 146 | 170 | 220 | 6 | 6 | 234 | – | NSYPLM108 | NSYPLM108T | NSYDLA234 |



Power distribution accessories

Modular distribution accessories

Dimensions (mm)



* Models NSYDLA48P, 66, 88, 84 and 112.



Plain front panels for Dinimel DLA chassis

- Front panel made from RAL 7032 self-extinguishing insulating material for non-modular device protection, on one row.
- To be ordered in multiples of 2.

| For installing on the chassis | Width (mm) | References |
|-------------------------------|------------|--------------|
| NSYDLA24 | 256 | NSYCTL300DLA |
| NSYDLA48 and NSYDLA48P | 356 | NSYCTL400DLA |
| NSYDLA66 and NSYDLA88 | 456 | NSYCTL500DLA |
| NSYDLA84 and NSYDLA112 | 555 | NSYCTL600DLA |
| NSYDLA234 | 755 | NSYCTL800DLA |



Mounting plate for Dinimel DLA chassis

- Galvanised-steel mounting plate for mounting non-modular devices, on one row.
- To be ordered in multiples of 2.

| For installing on the chassis | Width (mm) | References |
|-------------------------------|------------|--------------|
| NSYDLA48 and NSYDLA48P | 315 | NSYPMP400DLA |
| NSYDLA66 and NSYDLA88 | 415 | NSYPMP500DLA |
| NSYDLA84 and NSYDLA112 | 514 | NSYPMP600DLA |
| NSYDLA234 | 714 | NSYPMP800DLA |

Modular distribution chassis for enclosure ref. PLM3025/T

- Metal chassis and protective plate in insulating material.
- For mounting modular devices on two rows of nine 18-mm modules.

| Name | Reference |
|------------------------------|------------|
| Modular distribution chassis | NSYDLPLM18 |



Modular distribution accessories page 7/73

See also the accessories

Polyester enclosures

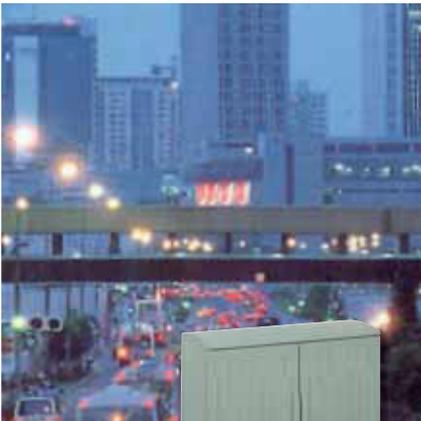
Installation examples



Outdoor installation, with exposure to atmospheric conditions: mist, solar radiation, extreme temperatures, etc.

Schneider Electric enclosures made from insulating materials are designed to protect your equipment in harsh environments or in contact with the public:

- Infrastructures: protection against bad weather (solar radiation, rain, etc.), impacts, saline atmospheres, etc.
- Transport: resistance to UV, salt mist, tightness and impact resistance, etc.
- Water: resistance to corrosion, resistance to impact and UV, resistance to chemical substances, etc.
- Outdoor telecom and networks: resistance to UV, resistance to corrosion, protection of 19-inch accessories, etc.
- Power: resistance to impact, to salt mist, etc.
- Public lighting: anti-vandalism, anti-posting, UV resistance, etc.
- Industries in aggressive environments: resistance to corrosion, to chemical substances and protection against electrical hazards.



Self-ventilated enclosure with anti-posting doors and canopy.



Indoor or outdoor installation on industrial zones in aggressive environments.