

Life Is On

Schneider
Electric

Protect your equipment in the most demanding environments

Introducing the improved Thalassa polyester enclosures

schneider-electric.com

Note: Requires Adobe Reader for full interactive experience

Greater protection every day, everywhere

Our improved polyester enclosures safeguard your equipment in almost all environments.

Thalassa nonmetallic enclosures are designed to meet your need for comprehensive protection of electrical devices. They provide best-in-class performance around the world, regardless of:

- **Application** — industrial, urban infrastructure, transport, mining, water treatment, public areas
- **Environment** — indoor, outdoor, heavy duty
- **Harsh conditions** — sunlight, rain, saline mist, extreme temperatures, chemicals, dust, oil splash, or impacts



Airports



Mining, Minerals
& Metals



Renewables



Oil & Gas



Water



Marine



Designed for maximum versatility

The Thalassa range provides top protection in practically any environment.



Discover the advantages of Thalassa polyester enclosures

Meet the challenges of your application with new features and designs.

The Thalassa family of polyester enclosures from Schneider Electric is already known for its excellent protection features. Now, we have introduced improvements to meet your needs even better.

In creating our new, complete offer, we have carefully considered the latest market trends, strict regulatory requirements, and, most importantly, the evolving needs of diverse applications.

[Click to discover what's new:](#)



Click here to find out more
on Thalassa enclosures.

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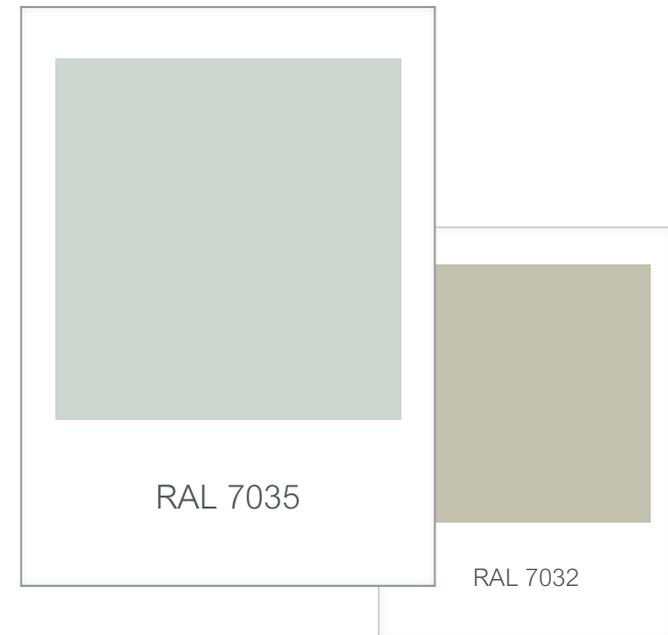
March 2016

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Introducing a new colour (RAL 7035), for a fresh look and enhanced flexibility

To closely align with global standards and customer preferences, we are introducing the light grey RAL 7035 colour of Thalassa polyester enclosures. Apart from the aesthetic upgrade, the new light-grey polyester is highly practical, allowing:

- Minimization of solar energy absorption — the enclosures are optimized for environments highly exposed to sun radiation
- A wider range of applications
- Colour standardization for electrical installations worldwide
- Greater consistency and ease of integration with spacial enclosure ranges



New sizes mean new opportunities and applications

Answering global industrial requirements as well as contemporary market needs, the upgraded Thalassa range now includes new dimensions and sizes:



New depth: 620 mm

- Optimized to accommodate 420 mm rack equipment and electronics
- Ready for mounting cooling units

Recommended applications

Telecom, Electronics, Speed Drives, etc.



New height: 2,000 mm

- One fully optimized internal mounting space with two doors
- Easy access control and flexibility to work in two compartments

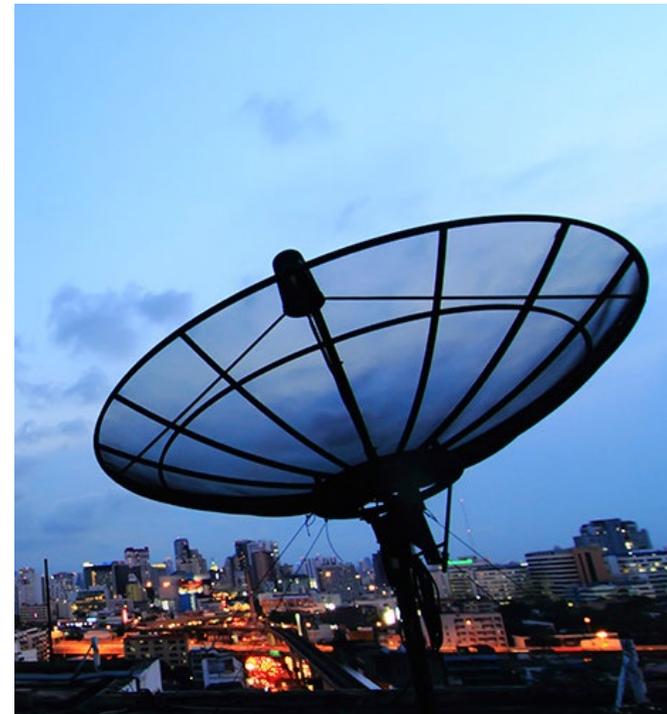
Recommended applications

Cement, Chemical, Oil & Gas industries, etc.

Enclosure for Telecom industry

Thalassa PHD — outdoor heavy duty

- An enclosure with 620 mm depth and capacity for equipment of up to 1,067 x 482 mm (IEC 60297-3-100)
- RAL7035 colour offers better solar radiation reflection
- Chemical resistance (an advantage when there are batteries inside)
- Improved thermal insulation
- Antivandalism protection and security thanks to 1242E key lock
- Insulation Class II (IEC 60950-1)
- Telecom standards compliance and quality certification
- Curved canopy helps prevent water leakage
- Upper ventilated module (optional) helps reduce condensation and corrosion risks



Enclosure for Oil & Gas industry

Thalassa PLA — standard floor-standing enclosure

- RAL 7035 colour for better solar radiation reflection
- 2,000 mm height and two doors facilitate access control and compartmentalization
- 620 mm depth facilitates the installation of electronic devices and speed drives
- Optimized internal mounting space
- New single 2,000 mm mounting plate or the combination of different mounting solutions
- Insulation Class II (IEC 60950-1)
- Corrosion resistance
- Chemical resistance
- Impact resistance IK10
- Types of panels or doors: plain and ribbed surface
- Efficient cooling and ventilation solutions available

For even greater challenges an outdoor heavy duty version is available within Thalassa PHD range.



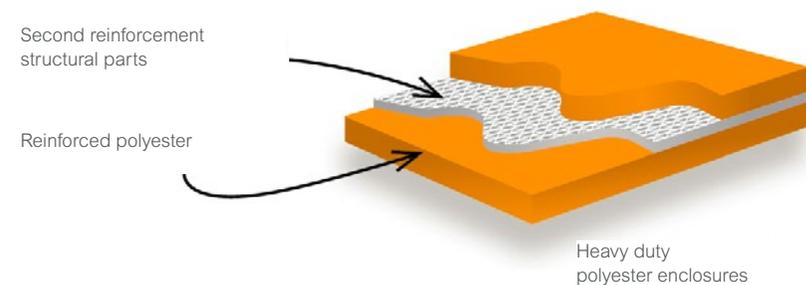
Thalassa Heavy Duty: designed for the harshest conditions

Our new heavy duty enclosure offer is ready to provide high-performance solutions for indoor and outdoor applications in the most extreme environments.

Optimized for demanding environments, versatility, and enduring performance, Thalassa enclosures are meticulously engineered for the electrical challenges of telecommunications, harsh industry, and infrastructure.

Performance and features

- RAL 7035 grey
- Light, easily scalable
- IP55 for floor-standing range or IP65 for wall-mounted enclosures
- Impact resistance IK10
- Antiburglary
- Sharp edge impact resistant



Innovative thermal management for complete peace of mind

Smart solutions for thermal management are essential for maintaining a reliable, high-performance electrical installation.

- ClimaSys™ systems, easily integrated with your polyester enclosures, are optimized for outdoor applications. Efficient air conditioning regulates equipment temperature and prevents internal hot spots in environments with external temperatures of -20 to 55 °C.
 - Slim ventilation FanBox and IP55 HD metal grille
 - Three cooling architectures designed for your needs
- ProClima™ thermal calculation software

Green Premium certified

Thalassa enclosures carry the Schneider Electric Green Premium certification, indicating enhanced sustainability.

Compact, functional CV ventilation and air-circulation systems



Slim ventilation FanBox

- Minimal depth inside (100 mm): more than 60% of space saving, depending on the enclosure size
- Maximum flow rate with IP55 G3 filter
- 230 VAC, 115 VAC, and 48 VDC versions
- UL approved
- Centrifugal ventilation



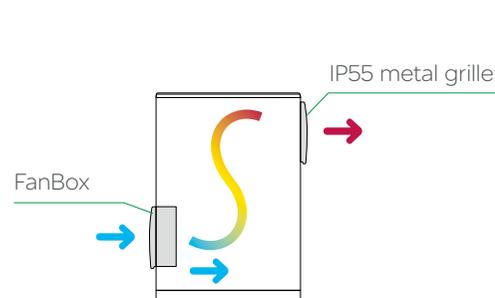
Slim IP55 HD metal grille

- Minimal depth (35 mm)
- Optimized flow rate
- Antiburglary accessory kit (optional)

Three cooling architectures designed for your needs

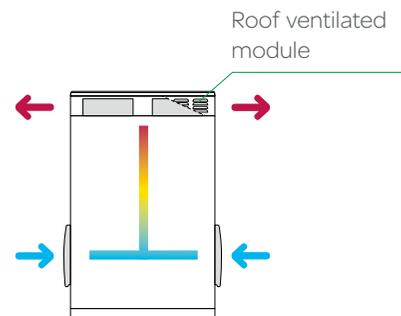
S-Line architecture

- Most common and competitive architecture
- Maximum heat dissipation up to 1,000 W
- Easy access to mount and dismount the FanBox



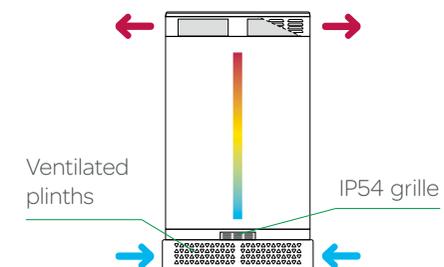
T-Line architecture

- High capacity of extraction calories up to 1,500 W
- Low noise level (1 fan 55 dB)
- Saved installation space
- Easy-to-manage entry cable



I-Line architecture

- High capacity of extraction calories up to 1,500 W
- Low noise level (1 fan 55 dB)
- Saved installation area
- Improved air flow in vertical axis



New Thalassa accessories make installation and maintenance easy

Advanced solutions available for the Thalassa offer make your installation and maintenance easier, while keeping your equipment well protected. New dedicated add-on parts include:

- Aluminium cable gland plate (IP55 protection) to enable hole drilling while avoiding corrosion
- Lifting and fixing accessories
- Antiburglary accessory (tested and certified in line with EN 1627)
- Locking system
- Ventilated plinth
- Roof ventilation module



Antiburglary accessory for PHD enclosures, in line with EN 1627-1630 insulation Class II (IEC 60950-1/IEC 61439-1)

An offer designed for your convenience

With Thalassa, selecting enclosures is easy

- Our comprehensive Universal Enclosures catalogue provides the information you need on enclosure ranges, accessories, thermal management, and software systems for every application.

- Product selection and configuration are available online:

up to 30 years

That's the expected lifespan for Thalassa PLM and PLA enclosures, under normal operating conditions.

Thalassa provides best-in-class solutions for various applications around the world

The enhanced Thalassa range of enclosures is now even more versatile thanks to the new set of features. Whatever the application, there is always a Thalassa enclosure to meet your specific requirements:

With 800

product options, including accessories, the Thalassa range is sure to fit your application.

Thalassa PLS insulating modular boxes



- 14 modular dimensions, from 180 x 270 x 1,800 mm to 540 x 720 x 230 mm
- IP65
- IK09
- Insulation Class II (IEC 60950-1)
- Certification: UL 508A/IEC 62208

Thalassa PLM polyester wall-mounting enclosures



- 40 different options:
 - 6 configurations
 - 8 dimensions:
 - » Height: from 308 mm to 1,056 mm
 - » Width: from 215 mm to 852 mm
 - » Depth: from 160 mm to 350 mm
- Joinable enclosures
- IP66
- IK10 for plain door version
- IK08 for glazed door
- Insulation Class II (IEC 60950-1)
- Certifications: UL 508A, IEC 62208, Marine
- Complete range of accessories

Thalassa PLA polyester floor-standing enclosures



- 230 different options:
 - 5 configurations
 - 46 dimensions:
 - » Height: from 500 mm to 2,000 mm
 - » Width: from 500 mm to 1,250 mm
 - » Depth: 320, 420, and 620 mm
- Joinable enclosures
- IP65/54/44
- IK10 for plain door version
- IK08 for glazed door
- Insulation Class II (IEC 60950-1)
- Certifications: UL 508A, IEC 62208, Marine
- Complete range of accessories

Thalassa PLD polyester DIN dimensions enclosures



- 5 options
 - DIN 00
 - DIN 0
 - DIN 1
 - DIN 2
 - DIN 2 (2 doors)
- IP43 (+ Kit IP54)
- IK10
- Insulation Class II (IEC 60950-1)
- Certification IEC 62208

Thalassa PHD Outdoor Heavy Duty enclosures



- 32 different options
 - 2 door options:
plain and ribbed surface
 - 32 dimensions:
 - » Height: from 500 mm to 2,000 mm
 - » Width: from 500 mm to 1,250 mm
 - » Depth: 320, 420, and 620 mm
- Joinable enclosures
- IK 10 impact resistance
- IP65 for wall-mounting versions
- IP55 for floor-standing versions
- Sharp-edge object resistance
- Insulation Class II (IEC 60950-1)
- Corrosion metallic parts:
C4H – ISO 12944
- Fire resistance: EN 1794-2
- Certifications: UL 508A, IEC 62208,
IEC 61439-5 (infrastructure), IEC
61969-3 (outdoor environment)
- Complete range of accessories