

Desigo PXC 4/5/7

Siemens EcoTech Profile

High-performing automation controllers



Secondary material

The entire housing has been replaced with plastic derived from renewable waste feedstock* compared to its predecessor.



Packaging

The cardboard packaging is made from recycled material and contains no imprinting compared to the previous packaging.



Maintenance possible / Updatability

Minimal maintenance is required, and firmware updates are possible on-site and via remote connections, reducing the need for travel and related CO₂ emissions.



Upgradability

The device is easily upgradable, unlocking additional functionalities and enhancing capabilities to meet changing industry demands.



Compliant with substance regulations

Protect people and environment by avoiding substances of concern.



EPD Type II available

According to ISO 14021 including Life Cycle Impact Assessment (LCIA).

The Environmental Product Declaration (EPD) provides transparency on the environmental impact of the product throughout its life cycle (e.g. Product Carbon Footprint (PCF) data).



Scan for [Environmental Product Declarations \(EPD\)](#) and further technical information.



Range of application

This Siemens EcoTech Profile is valid for all PXC4/5/7 with SSN S55375-C103 to S55375-C153.

Further information on the product

Sustainable materials:



Secondary material

- The housing is made from plastic derived from renewable waste feedstock* with a minimum of 86% bio-based content.



Packaging

- All product packaging is made from 100% recycled cardboard.
- The packaging box displays the PAP 20 recycling code according to the PPWR (EU Packaging and Packaging Waste Regulation).
- All paper documentation has been removed from the packaging, leaving only the mandatory Radio Equipment Directive.

Optimal use:



Maintenance possible / updatability

- The ease of maintenance is facilitated through batch updates for larger installations optimizing the effort and network traffic.
- The firmware updates help protect and preserve the device's functionalities, reducing the need of replacements or additional components.

Value recovery & circularity:



Upgradability

- The strategically developed modular design facilitates seamless software and hardware upgrades.
- The need to replace the device is reduced, thereby decreasing material waste.
- Upgrades include additional capabilities like advanced applications, compliance with new security standards, communication protocols, and more.

*Applicable for PXC4.M16S-2, PXC5.E24, PXC5.E003, PXC7.E400S/M/L, PXC5.E24.A, PXC7.E400.A

Our production facilities

Our goal is clear: All Siemens production facilities and buildings worldwide are to achieve a net zero-carbon footprint by 2030. Today, all Siemens EcoTech products are manufactured in production facilities using **100% renewable electricity**.

And the ambitions go much further. The management systems implemented in our production facilities reduce the environmental impacts of our sites. Furthermore, we ensure fair treatment and respect for our people. More information about the 360° view on Siemens' sustainable transformation: [Learn more about our DEGREE framework](#)



Scan for more information on the [Siemens EcoTech framework](#)

Our Robust Eco Design process

The Siemens Robust Eco Design (RED) approach provides the foundation for integrating Ecodesign systematically into our product development and allows us to derive Ecodesign specifications that are advantageous from an environment point of view while meeting our own sustainability goals as well as those of our customers and suppliers. The RED approach involves three phases:

Application perspective

Definition of relevant product families, identification, and prioritization of Ecodesign requirements from stakeholder expectations.

Solid foundation

LCA-based assessment of environmental impacts for representative products along the entire life cycle, communicated via EPD.

Dematerialization

Evaluation of quantitative environmental impacts of Ecodesign and of further requirements, derivation of improved design specifications wherever reasonable.



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