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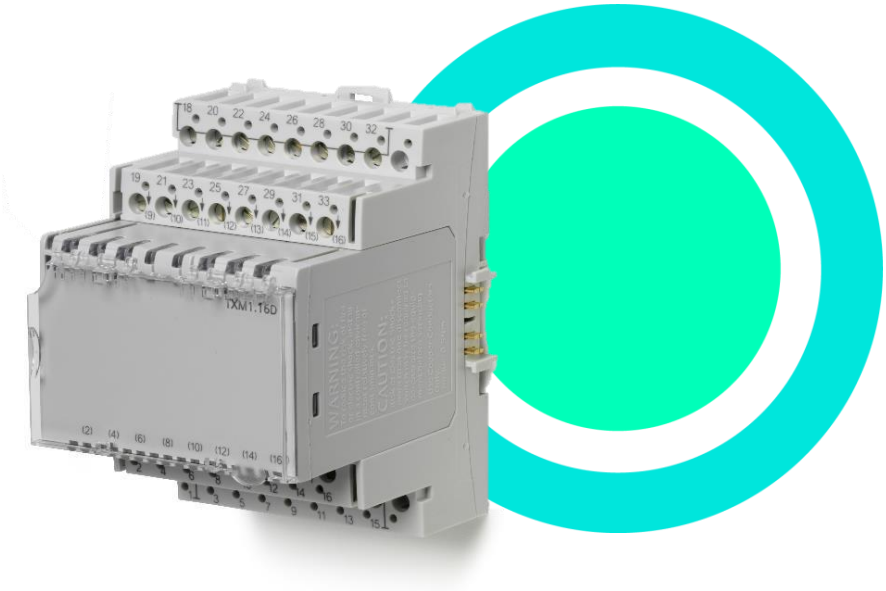
TX-I/O™ MODULES

Siemens EcoTech Profile

Flexible extension of automation stations



Packaging
The packaging box does not contain any imprinting compared to the previous packaging of the product. The packaging box is fully recyclable according to **PAP 20**.

Durability / Longevity
The device is designed with a modular concept to last up to **10 years**, reducing the need to exchange the device frequently.

Ease of disassembling / Circularity instructions
The modular design enables simple disassembly of materials, including plastics, metal and electronics.

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.

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Range of application
This Siemens EcoTech Profile is valid for all products in the range of the product family TX I/O ™ Modules TXM1 XXX .

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Further information on the product

Sustainable materials:

Packaging

- The packaging box displays the **PAP 20** environmental label for recyclability.
- No additional paper documentation is added in the packaging, reducing material waste.

Optimal use:

Durability/Longevity

- The device is forward and backward compatible to multiple generations of the system.
- The need to exchange existing installations and wiring is minimized, reducing material waste.

Value recovery & circularity:

Ease of disassembling/ Circularity Instructions

- The modular design with terminal base and plug-in module allows simple separation of materials.
- The circularity instruction provides detailed information on disassembly, output material fractions and substance declaration.

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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