SIEMENS

SITOP PSE200U, SEL1200, SEL1400

Siemens EcoTech Profile

Selective Protection of Load Circuits

Minimum material use
Reduction in weight due to compact and highly integrated design.

Packaging
Packaging made from entirely recycled fibres and 100% plastic free.

Energy efficiency
Reduction of energy consumption during the use phase. The diagnostic interface provide operating parameters.

Durability / Longevity
Robust product design that prevents product defects and prolongs product lifetime.

Ease of disassembly / Circularity instructions
Optimized design allows for easy, quick and non-destructive disassembly using standard tools and makes recycling more convenient and efficient.

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 Selectivity Modules SITOP PSE200U, SEL1200, SEL1400.

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Further information on the product

Sustainable materials:

Minimum material use

- New components allow optimized and compact design.
- The weight has been reduced by an average of **44%** compared to the predecessor.

Packaging

- FSC certified cardboard box with high recycled content made from sustainable sources with **100%** recycled fibers.
- Package is **100%** plastic free.
- Minimum usage of product documentation (only the product operating instruction is in the product packaging).
- Entire user manual for download only.

Optimal use:

Energy efficiency

- Over the lifespan of the product the energy consumption is reduced by up to **29%** during the use phase compared to its predecessor.
- The diagnostic interface transfers operating parameters of the device to a PLC.

Durability / Longevity

- Internal temperature protection with automatic shutdown prevents product damage and extends lifetime.
- An internal algorithm detects voltage anomalies, while the diagnostic interface communicates these irregularities, enabling early detection and prevention of unforeseen damage.

Value recovery & circularity:

Ease of disassembly / Circularity instructions

- Material savings due to the avoidance of screws.
- Quick and non-destructive disassembly at the end of the product´s lifecycle.
- Snap-fits can be reused as they do not wear out from tightening or loosing.
- Elimination of cordless screwdrivers reduces energy consumption during production phase.

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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