

SIMATIC ET 200SP E-STARTER

# Siemens EcoTech Profile

3RD1000



## Substances of concern

Product optimized for reduced use of substances of concern (SoC).



## Secondary materials

Product housing made of plastic containing recycled content.



## Energy efficiency

Low power consumption, no issues caused by inrush currents based on novel switching technology using MOSFETs.



## Maintenance possible / Updatability

Firmware can be updated and latest cyber security updates can be applied.



## Packaging

Digital documentation via ID Link, no paper manuals are packed.



## Durability / Longevity

Robustness, high quality and long electronic life time of the SIMATIC ET 200SP e-Starter supports reliability and high availability of the application.



## Repairability

Product designed to enable repairability.



## 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 SIMATIC e-Starter ET 200SP 3RD1000.

## Further information on the product

### Sustainable materials:



#### Substances of concern

- **80%** halogen-free PCBs and halogen-free flame retardant used on the housing reducing SoC compared to standard PCBs and housings.



#### Secondary materials

- Housing plastic is made with **30%** recycled glass fibre compared to virgin material\*.



#### Packaging

- QR code links to all product-specific information. The avoidance of paper manual for this new product is projected to save **900 kg** of paper per year.

### Optimal use:



#### Energy efficiency

- Power consumption **30%** less than comparable solutions.
- With ET 200SP e-Starter inrush currents are significantly reduced.
- Metering and communication function (PROFenergy) supports energy management.



#### Durability / Longevity

- More switching cycles than conventional switching (e.g. contactors), **> 140 switching cycles per hour** (CLASS 10A)
- Intrinsic device protection to enable long lifetime of the product.



#### Maintenance possible / Updatability

- Firmware updates executable onsite by customers.

### Value recovery & circularity:



#### Repairability

- Likely repair parts (i.e. fan) can be replaced by manufacturer (worldwide availability of repair and service).
- SIMATIC ET 200SP e-Starter is part of the modular ET 200SP system family that allows repair, extension and upgrade functionality, flexibly adapted to the customer requirements.

\*Newly manufactured resin that uses raw material that has no recycling content.

## 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.

