

## SIMATIC ET 200SP E-STARTER

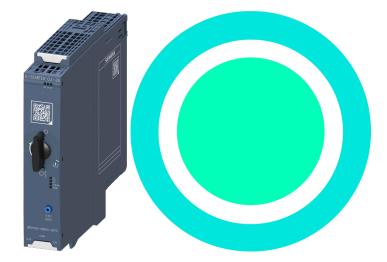
# Siemens EcoTech Profile

## 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 <u>Environmental</u> <u>Product Declarations (EPD)</u> and further technical information.





## **Further information on the product**

#### **Sustainable materials:**



#### **Substances of concern**

 80% halogen-free PCBs and halogenfree flame retardent 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 (PROFlenergy) 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



#### **Published by Siemens**

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