

SENTRON 5SV RESIDUAL CURRENT OPERATED CIRCUIT BREAKER

# Siemens EcoTech Profile

## SENTRON 5SV RCCB



### Secondary materials

Main part of the housing uses plastic with 50% recycled content.



### Packaging

Digital documentation via ID Link saves paper documentation.



### Durability / Longevity

Long lifetime compared to IEC 61008-1, both for mechanical and electronic switching.



### Upgradability

Standardized system allows hardware upgrades for additional functionalities and extended product availability.



### Compliant with substance regulations

Protect people and environment by avoiding substances of concern.



### EPD Type II or Type III 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 5SV3/4/5 (without 5SV3\*-4).

## Further information on the product

### Sustainable materials:



#### Secondary materials

- The plastic housing material is composed of **50% recycled content**, including chemically recycled PA6 from various post-industrial and post-consumer sources such as fibers and textile filaments, as well as glass reinforcements.
- The material has the same performance and quality as the conventional material used previously.



#### Packaging

- The Siemens ID Link leads directly to all product-specific information via a QR code. Therefore 100% of paper manual has been removed leading to more than **9 tonnes** of paper savings per year.

### Optimal use:



#### Durability / Longevity

- **10,000 operating cycles** outperform standard lifetime of IEC 61008-1 by a factor of 5.

### Value recovery:



#### Upgradability

- One standardized accessory system for installation of devices to extend functionality in existing applications (e.g. auxiliary switch, undervoltage release and more).
- The functionality of existing applications can easily be extended by adding electromechanical hardware device parts. This prolongs the service life of machines and switchboards by using SENTRON RCCBs to help save resources and costs.

## 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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