

SIRIUS 3RW5 SOFT STARTER

Siemens EcoTech Profile

SIRIUS 3RW5



Minimum material use

Previous largest version (size 6) now fully replaced by smaller size version (size 5).



Packaging

Digital documentation via ID Link saves paper.



Durability / Longevity

High quality, robustness and extended lifetime based on low wear switching and intrinsic device protection.



Energy efficiency

Low power consumption based on hybrid switching and integrated bypass. Transparency over the energy flows in the application provided by metering and communication functionality.



Maintenance possible / Updatibility

Firmware and latest cyber security updates can be applied. Condition monitoring enables a new level of transparency regarding the status of connected equipment.



Repairability

Modular concept enables easy repairability that can be executed by customers on site. Substantial range of spare parts are available.



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.



Range of application

This Siemens EcoTech Profile is valid for all products in the range of 3RW50, 3RW52, 3RW55.

Further information on the product

Sustainable materials:



Minimum material use

- Smaller size version (size 5) fulfilling same capabilities as previous largest version (size 6) leading to a **34%** reduction in volume.



Packaging

- The Siemens ID Link leads directly to all product-specific information via a QR code. Therefore **100%** of the paper manual has been removed.

Optimal use:



Energy efficiency

- Up to **90%** less power loss in use phase based on bypass operation (e.g. a bridged thyristor connected to a **55 kW** motor, with a **100 A** consumption, has a power loss of **21 W**, compared to a **300 W** power loss without bridged thyristor).



Durability / Longevity

- Low wear hybrid switching with integrated intrinsic device protection prevents inadmissible thermal overloading of the switching elements of the device.



Maintenance possible / Updatability

- Current, power and starting time monitoring with warning and alarm limits for condition monitoring support improved maintenance.

Value recovery & circularity:



Repairability

- The repairability extends the lifetime of a product and the corresponding application.
- Spare parts are available.
- A modular concept enables easy repairability that can be executed by customers on site.

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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