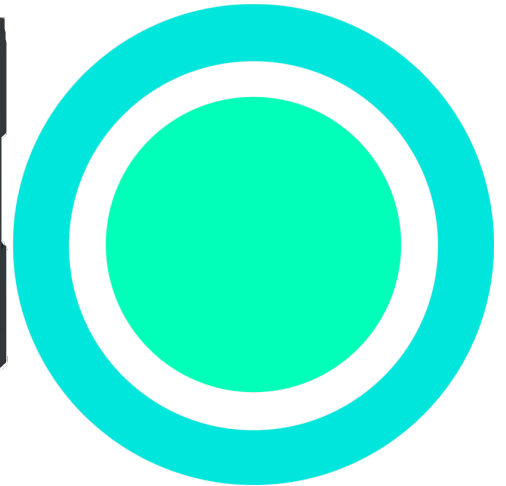


SIRIUS 3RW30/40 SOFT STARTER

Siemens EcoTech Profile

SIRIUS 3RW30/40



Minimum material use

Integration of overload and thermistor motor protection functionality into 3RW40 saves material and space.



Packaging

Digital documentation via ID Link saves paper documentation.



Energy efficiency

Low power consumption based on hybrid switching and integrated bypass.



Durability / Longevity

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



Upgradability

Huge amount of accessory parts enable functional upgrades of existing applications (e.g. for retrofit).



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 3RW30/40.

Further information on the product

Sustainable materials:



Minimum material use

- Integration functionality for the 3RW40 saves **30% of weight** in typical application (Example: 3RW40 S0 vs. 3RW30 S0 old types + overload relay + thermistor motor protection relay).
- Compact design saves space in switching cabinet.



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 **400 kg** of paper savings per year.

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 that prevents inadmissible thermal overloading of the switching elements of the device.

Value recovery & circularity:



Upgradability

- Modernizing or converting old machines (retrofit) based on existing components can increase efficiency and energy savings. Technical innovations in electrical components also offer completely new functionalities and numerous advantages for operators and operating personnel on site, as well as saving costs.
- Large number of accessory parts enable functional upgrades of existing applications (e.g. integration into SIRIUS modular system, communication modules).

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.

