

SIRIUS CONTACTORS 3RT105.-.A.36 /
3RT106.-.A.36 / 3RT107.-.A.36

Siemens EcoTech Profile

SIRIUS Contactors 3RT1 from
55 kW / 400 V



Minimum material use

Excellent product weight and optimized material selection.



Packaging

Minimized product packaging material (both volume and weight). No use of plastics in packaging.



Durability / Longevity

Long electrical (1 Mio switching cycles at 400 V) and mechanical lifetime (10 Mio switching cycles).



Repairability

Modular concept enables easy repairability especially for main wear parts like contact system and arc chamber.



Ease of disassembling / Circularity instructions

3RT1 contactors can be dismantled with standard tools (i.e. screwdriver).



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 3RT105.-.A.36, 3RT106.-.A.36, 3RT107.-.A.36.

Further information on the product

Sustainable materials:



Minimum material use

- Product weight and material selection leads to low CO₂e in manufacturing phase.



Packaging

- Very lightweight packaging at **120 g** per product.
- No bleached paper on cardboard and no printed cardboard used.
- The Siemens ID Link leads directly to all product-specific information via a QR code. Therefore, no paper documentation is needed.

Optimal use:



Durability / Longevity

- High quality, and long electrical (**1 Mio switching cycles at 400 V**) and mechanical lifetime (**10 Mio switching cycles**), guarantee optimal utilization of the contactor in the use phase of the application and low expected failure rate.

Value recovery & circularity:



Repairability

- The repairability extends the lifetime of the product and the corresponding application.
- The modular concept enables easy repairability especially for main wear parts like contact system and arc chamber.
- Substantial range of spare parts are available.



Ease of disassembling / Circularity instructions

- At the end of the life SIRIUS contactors 3RT1 can easily be dismantled for recycling and reuse of parts.

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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