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SENTRON 3VA2/6 MOLDED CASE CIRCUIT BREAKER

Siemens EcoTech Profile

SENTRON MCCB

Minimum material use
Highly compact device saves resources in manufacturing phase and space in cabinets.

Packaging
Digital documentation via ID Link saves 4 t per year of paper documentation.

Durability / Longevity
Rugged reliability, high quality and long mechanical and electrical lifetime of the components enable a long lifetime of the application.

Maintenance possible / Updatability
Condition monitoring and predictive maintenance (5/8-er series ETU with FW V4.4, COM060).
Minimum maintenance, executable by customers themselves on site.

Upgradability
More than 500 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.

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Range of application
This Siemens EcoTech Profile is valid for all products in the range of 3VA2/6.

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Further information on the product

Sustainable materials:

Minimum material use
- Reduced building size compared to predecessor in order to save resources in manufacturing phase and space in cabinets.

Packaging
- Siemens is equipping more and more appliances with an ID Link. This link leads directly to all product-specific information via a QR code.
- As this information is only available in digital form, paper is saved unlike for the predecessor product.
- In addition, the documents can no longer be lost and are always up-to-date.

Optimal use:

Durability / Longevity
- Long lifetime up to 20,000 operating cycles overperforming product norm IEC 60947-2.

Energy efficiency
- Measures and communicates energy data to provide transparency for energy efficiency measures and energy management applications (ISO 50001).

Maintenance possible / Updatability
- Condition monitoring and predictive maintenance help to protect valuable and resource-intensive applications.

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.
- More than 500 accessory parts enable functional upgrades of existing applications (e.g. for retrofit).

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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