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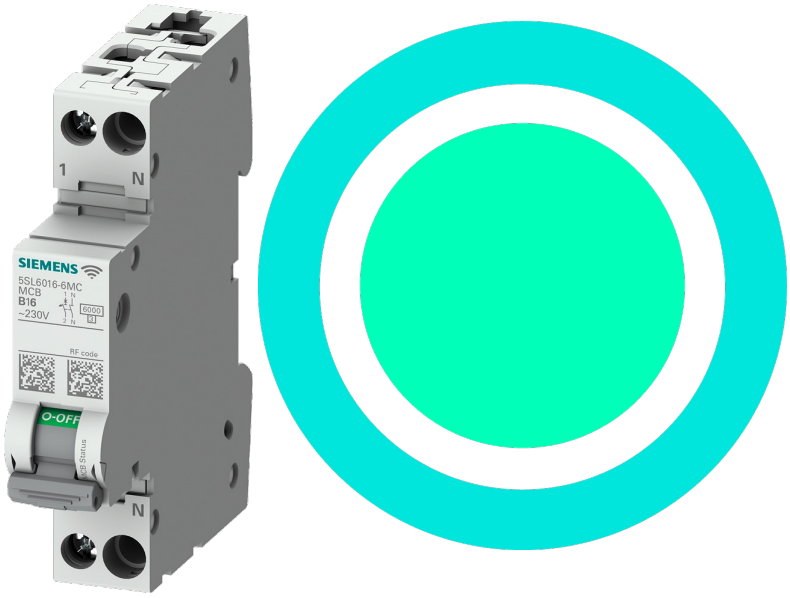
SENTRON 5SL60 COM MCB WITH MEASURING AND COMMUNICATION FUNCTION

Siemens EcoTech Profile

SENTRON 5SL60 COM - A reliable choice. Now even smarter.



Minimum material use
Bundling of measurement, communication and miniature circuit breaker functionality in one device saves resources in manufacturing and space in application.

Packaging
Packaging waste is reduced compared to ordering single products.

Energy efficiency
Low power consumption of the device. Transparency over the energy flows in the application provided by metering and communication.

Durability / Longevity
Overperforming lifetime (compared to IEC 60898-1), high quality and robustness.

Maintenance possible / Updatability
Firmware can be updated via Siemens tools and latest cyber security updates can be applied.

Upgradability
Hardware upgrade of additional functionality, e.g. arc fault detection as unique feature. One standardized accessory system for installation devices.

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 5SL60.

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Further information on the product

Sustainable materials:

Minimum material use

- 50% smaller building width of device enables smaller cabinets.
- More than 60% savings of CO_2e in manufacturing phase based on material savings compared to solution with two conventional devices (standard MCB, energy meter 7KRT).

Packaging

- Integration of miniature circuit breaker and measurement / communication functionality in one device supersedes 1 out of 2 packaging.

Optimal use:

Durability / Longevity

- Up to 10,000 operating cycles outperform standard lifetime of IEC 60898-1

Energy efficiency

- More than 10% savings of CO_2e in use phase based on lower power consumption compared to solution with two standard devices providing comparable features (standard MCB, energy meter 7KRT).
- Transparency over the energy flows in the application provided by integrated metering and communication function supports energy efficiency measures, energy audits and energy management systems (ISO 50001).

Value recovery & circularity:

Upgradability

- By adapting to new upcoming requirements SENTRON MCB COM enables machines and switchboards to be used longer and more productively in order to save costs and resources.
- The functionality of existing applications can easily be extended by adding electromechanical hardware device parts such as arc fault detection devices, signaling contacts and much more. Just one system of function extensions for complete portfolio.

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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