Product Environmental Profiles from Schneider Electric

Schneider Electric delivers transparent environmental information about our offers through Product Environmental Profiles (PEP). PEPs are quantitative Type III Environmental Product Declarations in compliance with ISO 14025, based on Life Cycle Assessment of the product along its whole lifecycle. This ensures that both the PEP creation process and the PEP documents are independently reviewed and verified. Publication of a PEP is required for a product to earn Schneider Electric's Green Premium designation. PEPs are prepared and published according to the framework of the third-party organization PEP ecopassport.

Product Environmental Profiles display important environmental information about a product, including a substance assessment, a breakdown of the constituent materials present in the product, as well as environmental data that has been calculated through the Life Cycle Assessment process.

PEPs reveal key environmental data across 27 indicators including:

- Contribution to global warming (carbon impact)
- Energy consumption
- Mineral resources depletion
- Use of freshwater
- Impacts to air, soil, and water

and across five lifecycle stages:

- Manufacturing
- Distribution
- Installation
- Use
- End of life
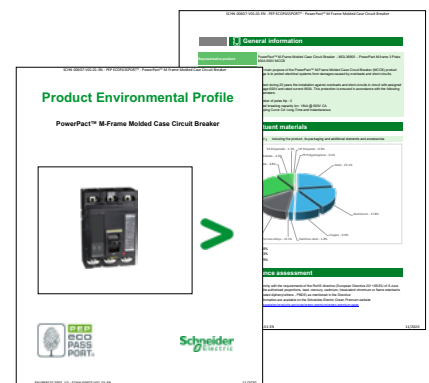
PEPs are developed at the product range level. Available PEPs can be found on product pages at se.com, and through mySchneider. Extrapolation may be necessary to gain an exact profile for the part number being procured.

Please contact your Schneider Electric sales representative for more information, and to request Product Environmental Profiles.

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Information Included in a Product Environmental Profile

The following sections are included in each Product Environmental Profile:

General Information: Describes the product and its functional use. It lists the representative product used to create the PEP. The PEP can be used to show environmental impacts of additional products within the product range through a process of extrapolating the figures in the Environmental Impacts section of the PEP to the mass of additional part numbers within a product range.

Constituent materials: Displays the mass of the reference product. This section also shows the materials that make up the product, displayed proportionally.

Substance Assessment: Indicates compliance with hazardous substance regulations (RoHS and REACH). The Restriction of Hazardous Substances Directive 2002/95/EC, details the restriction of the use of certain hazardous substances in electrical and electronic equipment. RoHS was adopted in February 2003 by the European Union, and is meant to prevent an overabundance of chemicals in electronics through the restriction on the concentration of 10 specific substances. The EU REACH Regulation (Registration, Evaluation, Authorisation and Restriction of Chemicals) addresses the production and use of chemical substances, and their potential impacts on both human health and the environment. This regulation requires written disclosure of all Substances of Very High Concern in products and packaging

Additional Environmental Information: Displays information related to each stage of the product's lifecycle: Manufacturing (factory site certification information), Distribution (packaging weight and distribution optimization), Installation (reference for special installation information, if applicable) ,Use (maintenance operation information), and End of Life (recyclability potential, and end of life treatment references).

Environmental Impacts: Displays the energy models used to create, and the outputs of the lifecycle assessment, including the 27 environmental impact indicators across 5 lifecycle stages.

Registration Information – Displays the industry-recognized rules used for conducting the lifecycle assessment. This section also shows verification information, date of publication, and validity period (generally 5 years).

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