Product Environmental Profile

TeSys Deca contactor 3P AC-3 50A 230V Everlink

TeSys Deca contactor
**General information**

**Reference product**

LC1D50AP7

**Description of the product**

The main purpose of the product is to switch on and off electrical power supply of a downstream installation with an electrical and/or mechanical control.

**Description of the range**

The range product report includes rated current:40A-65A, 3P/4P, TeSys Deca contactor Everlink, the representative product used for analysis is 3P 50A (product number: LC1D50AP7)

The environmental impacts of this reference product are representative of the impacts of the other products of the range which are developed with a similar technology.

**Functional unit**

Switch on and off during 20 years electrical power supply of a downstream installation with an electrical and/or mechanical control.

The functional unit is characterized by a type 3NO, a control circuit voltage 230 V AC, a power circuit voltage 690 V and a rated operational current 50A

**Constituent materials**

**Reference product mass**

879 g including the product, its packaging and additional elements and accessories

![Material breakdown diagram](image)

- Plastics: 34.00%
- Metals: 62.60%
- Others: 3.40%

**Substance assessment**

### Environmental impacts

**Reference service life time**  
20 years

**Product category**  
Contactor, remote control switch, combinations, starters

**Installation elements**  
Ref LC1D50AP7 does not require any installation operations.

**Use scenario**  
Load factor: 50% of Ip  
Use rate: 50% of the RLT

**Technological representativeness**  
The Modules of Technologies such as material production, manufacturing process and transport technology used in this PEP analysis (LCA-EIME in this case) are Similar and representative of the actual type of technologies used to make the product in production.

**Geographical representativeness**  
France

**Energy model used**  
<table>
<thead>
<tr>
<th>[A1 - A3]</th>
<th>[A5]</th>
<th>[B6]</th>
<th>[C1 - C4]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity Mix; Production mix; Low voltage; FR</td>
<td>Electricity Mix; Production mix; Low voltage; FR</td>
<td>Electricity Mix; Production mix; Low voltage; FR</td>
<td>Electricity Mix; Production mix; Low voltage; FR</td>
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</tbody>
</table>

Details of results, including all the optional indicators mentioned in PCRed4, and the split of the Use Phase (B1 to B7), are available in the LCA report and on demand in a digital format - Country Customer Care Center - http://www.schneider-electric.com/contact

### Mandatory Indicators

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</thead>
<tbody>
<tr>
<td>Contribution to climate change</td>
<td>kg CO₂ eq</td>
<td>5.33E+01</td>
<td>5.23E+00</td>
<td>2.53E-01</td>
<td>3.68E-02</td>
<td>4.55E+01</td>
<td>2.23E+00</td>
<td>-3.06E+01</td>
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<tr>
<td>Contribution to climate change-fossil</td>
<td>kg CO₂ eq</td>
<td>5.31E+01</td>
<td>5.19E+00</td>
<td>2.53E-01</td>
<td>3.52E-02</td>
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<td>2.21E+00</td>
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<tr>
<td>Contribution to climate change-biogenic</td>
<td>kg CO₂ eq</td>
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<td>3.93E-02</td>
<td>0*</td>
<td>1.64E-03</td>
<td>1.17E-01</td>
<td>1.78E-02</td>
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<td>0*</td>
<td>0*</td>
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<td>Contribution to ozone depletion</td>
<td>kg CFC-11 eq</td>
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<td>6.60E-07</td>
<td>2.24E-07</td>
<td>2.44E-09</td>
<td>6.70E-07</td>
<td>1.63E-08</td>
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<td>Contribution to acidification</td>
<td>mol H+ eq</td>
<td>3.39E-01</td>
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<td>1.46E-04</td>
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<td>Contribution to eutrophication, freshwater</td>
<td>kg (PO₄)³⁻ eq</td>
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<td>0*</td>
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<td>Contribution to eutrophication, terrestrial</td>
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<td>kg COVNM eq</td>
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<td>1.04E-02</td>
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**Additional indicators for the French regulation are available as well**
According to this environmental analysis, proportionality rules may be used to evaluate the impacts of other products of this range, ratios to apply can be provided upon request.

Life cycle assessment performed with EIME version v5.9.4, database version 2022-01 in compliance with ISO14044. Detailed results, including all the optional indicators mentioned in PCRed4, and the split of the Use Phase (B1 to B7), are available in the LCA report and on demand in a digital format - Country Customer Care Center - http://www.schneider-electric.com/contact
Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.

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<tr>
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<td>Date of issue</td>
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<td>Information and</td>
<td></td>
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<td>reference documents</td>
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<tr>
<td>Validity period</td>
<td>5 years</td>
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Independent verification of the declaration and data, in compliance with ISO 14021 : 2016
Internal X External

The PCR review was conducted by a panel of experts chaired by Julie ORGELET (Ddemain)
PEP are compliant with XP C08-100-1 :2016 or EN 50693:2019
The elements of the present PEP cannot be compared with elements from another program.
Document in compliance with ISO 14021 : 2016 « Environmental labels and declarations. Type II environmental declarations »

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Capital social 896 313 776 €

www.pep-ecopassport.org

Validity period
5 years

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