Product Environmental Profile

MUREVA SO PIN EARTH 16A SCREWLESS GREY
**General information**

**Representative product**
MUREVA SO PIN EARTH 16A SCREWLESS GREY - MUR35031

**Description of the product**
The main purpose of the Mureva Styl - socket-outlet - 16A - 2P + E shutters - grey French standard product range is to give access to Electricity till the plug.

**Functional unit**
Connect/Disconnect during 20 years the plug of a load consuming 16A under a voltage of 250V while protecting the user from direct contact with live parts and with a protection class IP55 in accordance with the standard IEC 60529 and IK08 in accordance with the standard IEC 62262.

**Constituent materials**

**Reference product mass**
153 g including the product, its packaging.

**Plastics**
- PP Polypropylene - 58.7%
- ABS Acrylonitrile Butadiene Styrene - 7.9%
- PC Polycarbonate - 5.9%
- PA Polyamide - 0.9%

**Metals**
- Brass - 8.1%
- Stainless steel - 1.5%
- Steel - 1%

**Others**
- Cardboard - 15.9%
- Paper - 0.1%

**Substance assessment**

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 2 January 2013, amended in March 2015, 2015/863/EU and in November 2017, 2017/2102/EU) and do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium or flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers – PBDE), Bis (2-ethylhexyl)phthalate - DEHP, Benzyl butyl phthalate– BBP, Dibutyl phthalate - DBP, Diisobutyl phthalate - DIBP) as mentioned in the Directive.

### Additional environmental information

The MUREVA SO PIN EARTH 16A SCREWLESS GREY presents the following relevant environmental aspects:

**Manufacturing**
- Manufactured at a Schneider Electric production site ISO14001 certified.

**Distribution**
- Weight and volume of the packaging optimized, based on the European Union's packaging directive.

**Installation**
- The product does not require special installation procedure and requires little to no energy to install. The disposal of the packaging materials are accounted during the installation phase (including transport to disposal).

**Use**
- The product does not require special maintenance operations.

**End of Life**
- End of life optimized to decrease the amount of waste and allow recovery of the product components and materials.

No special end-of-life treatment required. According to countries' practices this product can enter the usual end-of-life treatment process.

Recyclability potential: **79%**

Based on "ECO'DEEE recyclability and recoverability calculation method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).

### Environmental impacts

- **Reference life time**: 20 years
- **Product category**: Power socket
- **Installation elements**: No special components needed
- **Use scenario**: Load rate: 50% of In, Use rate: 50% of the RLT
- **Geographical representativeness**: France, Greece, Hungary, Russia, Spain, Portugal, Ukraine
- **Technological representativeness**: The main purpose of the Mureva Styl - socket-outlet - 16A - 2P + E shutters - grey French standard product range is to give access to Electricity till the plug.

#### Energy model used

<table>
<thead>
<tr>
<th></th>
<th>Manufacturing</th>
<th>Installation</th>
<th>Use</th>
<th>End of life</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manufacturing</strong></td>
<td>ELDA, Poland</td>
<td>Electricity Mix; AC; consumption mix, at consumer; &lt; 1kV; EU-27</td>
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<td>Electricity Mix; AC; consumption mix, at consumer; &lt; 1kV; EU-27</td>
</tr>
</tbody>
</table>

### Compulsory indicators

<table>
<thead>
<tr>
<th>Impact indicators</th>
<th>Unit</th>
<th>Total</th>
<th>Manufacturing</th>
<th>Distribution</th>
<th>Installation</th>
<th>Use</th>
<th>End of Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contribution to mineral resources depletion</td>
<td>kg Sb eq</td>
<td>1.75E-05</td>
<td>1.74E-05</td>
<td>0*</td>
<td>0*</td>
<td>1.41E-07</td>
<td>0*</td>
</tr>
<tr>
<td>Contribution to the soil and water acidification</td>
<td>kg SO₂ eq</td>
<td>2.57E-02</td>
<td>2.57E-02</td>
<td>9.01E-05</td>
<td>0*</td>
<td>2.35E-02</td>
<td>3.76E-05</td>
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<tr>
<td>Contribution to water eutrophication</td>
<td>kg PO₄³⁻ eq</td>
<td>1.70E-03</td>
<td>2.25E-03</td>
<td>2.08E-05</td>
<td>6.47E-05</td>
<td>8.80E-04</td>
<td>9.77E-06</td>
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<tr>
<td>Contribution to global warming</td>
<td>kg CO₂ eq</td>
<td>3.79E+00</td>
<td>6.13E-01</td>
<td>1.97E-02</td>
<td>3.34E-02</td>
<td>3.10E+00</td>
<td>1.66E-02</td>
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<tr>
<td>Contribution to ozone layer depletion</td>
<td>kg CFC11 eq</td>
<td>8.07E-07</td>
<td>5.24E-08</td>
<td>0*</td>
<td>8.31E-11</td>
<td>7.54E-07</td>
<td>7.98E-10</td>
</tr>
<tr>
<td>Contribution to photochemical oxidation</td>
<td>kg C₂H₄ eq</td>
<td>1.34E-03</td>
<td>2.08E-04</td>
<td>6.43E-06</td>
<td>7.99E-06</td>
<td>1.11E-03</td>
<td>4.00E-06</td>
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</tbody>
</table>

- **Net use of freshwater**
  - m³: 2.43E-02 | 1.62E-02 | 0* | 0* | 8.09E-03 | 1.62E-05 |

- **Total Primary Energy**
  - MJ: 7.56E+01 | 1.22E+01 | 2.79E-01 | 0* | 6.29E+01 | 1.86E-01 |
The use phase is the life cycle phase which has the greatest impact on the majority of environmental indicators (based on compulsory indicators).

Life cycle assessment performed with EIME version EIME v5.8.1, database version 2016-11 in compliance with ISO14044.

* represents less than 0.01% of the total life cycle of the reference flow.
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.

<table>
<thead>
<tr>
<th>Registration number</th>
<th>ENVPEP1909008_V1</th>
<th>Drafting rules</th>
<th>PCR-ed3-EN-2015 04 02</th>
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<td>Date of issue</td>
<td>09/2019</td>
<td>Supplemented by</td>
<td>PSR-0005-ed2-EN-2016 03 29</td>
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<td>Validity period</td>
<td>5 years</td>
<td>Information and reference documents</td>
<td><a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a></td>
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Independent verification of the declaration and data

Internal  X  External

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 - Self-declared environmental claims (Type II environmental labelling) »