

Product Environmental Profile

SIMON 360 LOLA SOCKET-OUTLETS



|                                                                                                                         |                      |                                     |                            |
|-------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------|----------------------------|
| Registration number                                                                                                     | SIMO-00026-V01.01-EN | Drafting rules                      | PCR-ed4-EN-2021 09 06      |
|                                                                                                                         |                      | Supplemented by                     | PSR-0005-ed3-EN-2023 06 06 |
| Verifier accreditation number                                                                                           | VH45                 | Information and reference documents | www.pep-ecopassport.org    |
| Date of issue                                                                                                           | May 2026             | Validity period                     | 5 years                    |
| Independent verification of the declaration and data, in compliance with ISO 14025:2006                                 |                      |                                     |                            |
| Internal                                                                                                                |                      | External                            | X                          |
| The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain)                                   |                      |                                     |                            |
| PEP are complaint with XP CO08-100-1:2016 or EN 50693:2019                                                              |                      |                                     |                            |
| The elements of the present PEP cannot be compared with elements from another program.                                  |                      |                                     |                            |
| Document in compliance with ISO 14025:2006 “Environmental labels and declarations. Type III environmental declarations” |                      |                                     |                            |



General information

|                                                          |                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company information                                      | SIMON S.A.U.<br>Sancho de Ávila, 66<br>08018, Barcelona<br>Website: <a href="http://www.simonelectric.com">www.simonelectric.com</a>                                                                                                                                                                                                  |
| Contact                                                  | Ana Belen Rodríguez Martínez, <a href="mailto:abrm@simon.es">abrm@simon.es</a>                                                                                                                                                                                                                                                        |
| Product description and homogeneous environmental family | Family of Simon 360 LOLA socket-outlets. All the products of the family are wall-mounted sockets with a rated current of 16A and a rated voltage of 250V.<br><br>The PEP would include a group of similar products, which all belong to the same product family.                                                                      |
| Product standards                                        | Dir. 2014/30/UE RED; Dir. 2011/65/UE RoHS + post. mod. EN IEC 63000:2018 + IEC 60884-1 Ed. 4.0, UNE 20315-1-1:2017 and UNE 20315-1-2:2017; EN 62368-1:2020 + A11:2020; EN 61000-6-1:2019 EN6 1000-6-3:2021; ETSI EN 300328 V2.2.2.                                                                                                    |
| Reference product                                        | Combination of three parts to form the final socket: <ul style="list-style-type: none"> <li>• Mechanism 36100432-190</li> <li>• White outer frame 36000610-190</li> </ul><br>Extrapolation coefficients will be calculated and applied for each stage of the life cycle to calculate the impacts of the other products of the family. |
| Functional unit                                          | “Connect/disconnect the plug of a load consuming 16 A maximum under a voltage of 250 V while protecting the user from direct contact with live parts in the Household/Commercial application areas, according to the use scenario defined by the PSR, and for the reference service life of the product of 10 years”.                 |
| Reference flow                                           | <ul style="list-style-type: none"> <li>• Product with packaging: 192.65 g</li> <li>• Product without packaging: 162.49 g</li> </ul>                                                                                                                                                                                                   |
| Product category                                         | Active product                                                                                                                                                                                                                                                                                                                        |
| Reference lifetime                                       | 10 years                                                                                                                                                                                                                                                                                                                              |
| LCA software & Database                                  | The environmental impact assessment has been carried out with Simapro 10.2.0.0 tool, and the background databases have been retrieved from Ecoinvent 3.11 libraries.                                                                                                                                                                  |

## Constituent materials

| Material                              |                      | Weight (g)    | Percentage (%) |
|---------------------------------------|----------------------|---------------|----------------|
| <b>Plastics</b><br>41.40%             | Urea                 | 52.50         | 27.25%         |
|                                       | Polycarbonate        | 18.33         | 9.52%          |
|                                       | Other plastics       | 8.93          | 4.63%          |
| <b>Metals</b><br>29.78%               | Steel                | 45.59         | 23.66%         |
|                                       | Brass                | 9.70          | 5.04%          |
|                                       | Copper               | 2.07          | 1.08%          |
| <b>Electronic component</b><br>11.99% | Electronic component | 23.10         | 11.99          |
| <b>Others</b><br>1.18%                | Glass fibre          | 2.27          | 1.18           |
| <b>Packaging</b><br>16.15 %           | Cardboard            | 25.16         | 13.06          |
|                                       | Paper                | 4.87          | 2.53           |
|                                       | Plastic              | 0.14          | 0.07           |
| Reference product                     |                      | <b>162.49</b> | <b>84.35</b>   |
| Packaging                             |                      | <b>30.16</b>  | <b>15.65</b>   |
| <b>TOTAL</b>                          |                      | <b>192.65</b> | <b>100.00</b>  |

## Description of life cycle stages

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Manufacturing stage</b> | <p>Manufactured at Simon's facilities in Martorelles and Olot (Spain), certified to ISO 14001.</p>                                                                                                                                                                                                                                                                                                                                            |
| <b>Distribution stage</b>  | <p>The products are distributed directly from Simon's logistics platform to the distributors, where the installers (final customers) can purchase them.</p>                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Installation stage</b>  | <p>The installation process is done manually, and it does not require any additional component or process apart from the product itself.</p>                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Use stage</b>           | <p>The use scenario is defined by the corresponding PSR of PEP Ecopassport for this type of products:</p> <p>Reference lifetime (RLT): 10 years.</p> <p>The energy consumption has been calculated considering both the power rating and the operating time under each operating state.</p> <p>This product has no maintenance. The product quality is very high, and it can very easily last 10 years on the client's house. No additional electricity consumption is required for maintenance during the 10 years of use.</p> |
| <b>End-of-life stage</b>   | <p>The reference product and the rest of the products of the family comply with Directive 2012/19/EU on the disposal of Waste Electrical and Electronic Equipment.</p> <p>The end-of-life scenario provided by standard EN 50693 has been used to simulate this stage.</p>                                                                                                                                                                                                                                                      |

## Environmental impacts

Results of mandatory indicators per Functional Unit of the reference product:

| Impact category                               | Unit                       | Total    | Manufacturing stage<br>(modules A1-A3) | Distribution stage<br>(module A4) | Installation stage<br>(module A5) | Module B6 | Use stage<br>(modules B1-B7) | End-of-life stage<br>(modules C1-C4) | Benefits<br>(module D) |
|-----------------------------------------------|----------------------------|----------|----------------------------------------|-----------------------------------|-----------------------------------|-----------|------------------------------|--------------------------------------|------------------------|
| Climate change - Total                        | kg CO <sub>2</sub> eq      | 2.22E+00 | 1.27E+00                               | 2.21E-02                          | 5.61E-02                          | 7.42E-01  | 7.42E-01                     | 1.26E-01                             | -1.17E-01              |
| Climate change – Fossil                       | kg CO <sub>2</sub> eq      | 2.18E+00 | 1.31E+00                               | 2.21E-02                          | 4.77E-03                          | 7.31E-01  | 7.31E-01                     | 1.10E-01                             | -1.16E-01              |
| Climate change – Biogenic                     | kg CO <sub>2</sub> eq      | 2.84E-02 | -4.13E-02                              | 4.65E-06                          | 5.13E-02                          | 1.99E-03  | 1.99E-03                     | 1.63E-02                             | -8.45E-04              |
| Climate change - Luluc                        | kg CO <sub>2</sub> eq      | 1.29E-02 | 3.38E-03                               | 7.31E-06                          | 1.22E-06                          | 9.52E-03  | 9.52E-03                     | 2.82E-05                             | -3.53E-04              |
| Ozone depletion (OD)                          | kg CFC-11 eq               | 1.06E-06 | 1.04E-06                               | 4.81E-10                          | 5.12E-11                          | 1.60E-08  | 1.60E-08                     | 7.32E-10                             | -1.52E-09              |
| Acidification of soil and water (A)           | mol H <sup>+</sup> eq      | 2.08E-02 | 1.66E-02                               | 7.08E-05                          | 1.52E-05                          | 3.98E-03  | 3.98E-03                     | 1.71E-04                             | -2.03E-03              |
| Freshwater eutrophication                     | kg P eq                    | 2.13E-04 | 1.95E-04                               | 1.62E-07                          | 4.14E-08                          | 1.74E-05  | 1.74E-05                     | 9.66E-07                             | -1.32E-05              |
| Marine aquatic eutrophication                 | kg N eq                    | 2.43E-03 | 1.67E-03                               | 2.36E-05                          | 9.05E-06                          | 6.61E-04  | 6.61E-04                     | 6.75E-05                             | -1.94E-04              |
| Terrestrial eutrophication                    | mol N eq                   | 3.04E-02 | 2.19E-02                               | 2.59E-04                          | 6.01E-05                          | 7.57E-03  | 7.57E-03                     | 5.87E-04                             | -2.27E-03              |
| Photochemical ozone creation (POCP)           | kg NMVOC eq                | 9.22E-03 | 6.16E-03                               | 1.07E-04                          | 2.39E-05                          | 2.71E-03  | 2.71E-03                     | 2.13E-04                             | -6.72E-04              |
| Depletion of abiotic resources – elements     | kg Sb eq                   | 2.44E-04 | 2.28E-04                               | 7.44E-08                          | 1.36E-08                          | 1.66E-05  | 1.66E-05                     | 1.72E-07                             | -2.36E-05              |
| Depletion of abiotic resources – Fossil fuels | MJ                         | 4.13E+01 | 1.78E+01                               | 3.13E-01                          | 4.10E-02                          | 2.26E+01  | 2.26E+01                     | 5.45E-01                             | -1.44E+00              |
| Water use                                     | m <sup>3</sup> eq. depriv. | 1.36E+00 | 6.30E-01                               | 1.21E-03                          | 2.24E-04                          | 7.33E-01  | 7.33E-01                     | -2.45E-03                            | -5.73E-02              |

### Results of inventory flows indicators & indicators describing the use of secondary materials for the reference product:

| Impact category | Unit           | Total    | Manufacturing stage (modules A1-A3) | Distribution stage (module A4) | Installation stage (module A5) | Module B6 | Use stage (modules B1-B7) | End-of-life stage (modules C1-C4) | Benefits (module D) |
|-----------------|----------------|----------|-------------------------------------|--------------------------------|--------------------------------|-----------|---------------------------|-----------------------------------|---------------------|
| PERE            | MJ             | 1.64E+01 | 7.08E+00                            | 4.93E-03                       | 3.94E-01                       | 8.91E+00  | 8.91E+00                  | 2.33E-02                          | -3.74E-01           |
| PERM            | MJ             | 0.00E+00 | 3.92E-01                            | 0.00E+00                       | -3.92E-01                      | 0.00E+00  | 0.00E+00                  | 0.00E+00                          | 0.00E+00            |
| PERT            | MJ             | 1.64E+01 | 7.47E+00                            | 4.93E-03                       | 1.42E-03                       | 8.91E+00  | 8.91E+00                  | 2.33E-02                          | -3.74E-01           |
| PENRE           | MJ             | 4.13E+01 | 1.64E+01                            | 3.13E-01                       | 4.10E-02                       | 2.26E+01  | 2.26E+01                  | 1.97E+00                          | -1.44E+00           |
| PENRM           | MJ             | 0.00E+00 | 1.43E+00                            | 0.00E+00                       | 0.00E+00                       | 0.00E+00  | 0.00E+00                  | -1.43E+00                         | 0.00E+00            |
| PENRT           | MJ             | 4.13E+01 | 1.78E+01                            | 3.13E-01                       | 4.10E-02                       | 2.26E+01  | 2.26E+01                  | 5.45E-01                          | -1.44E+00           |
| SM              | kg             | 0.00E+00 | 0.00E+00                            | 0.00E+00                       | 0.00E+00                       | 0.00E+00  | 0.00E+00                  | 0.00E+00                          | 0.00E+00            |
| RSF             | MJ             | 0.00E+00 | 0.00E+00                            | 0.00E+00                       | 0.00E+00                       | 0.00E+00  | 0.00E+00                  | 0.00E+00                          | 0.00E+00            |
| NRSF            | MJ             | 0.00E+00 | 0.00E+00                            | 0.00E+00                       | 0.00E+00                       | 0.00E+00  | 0.00E+00                  | 0.00E+00                          | 0.00E+00            |
| FW              | m <sup>3</sup> | 3.03E-02 | 1.88E-02                            | 3.91E-05                       | -4.38E-06                      | 1.15E-02  | 1.15E-02                  | 8.01E-06                          | -1.60E-03           |

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW: Freshwater use

### Results of waste category indicators and output flow indicators for the reference product:

| Impact category               | Unit | Total    | Manufacturing stage (modules A1-A3) | Distribution stage (module A4) | Installation stage (module A5) | Module B6 | Use stage (modules B1-B7) | End-of-life stage (modules C1-C4) | Benefits (module D) |
|-------------------------------|------|----------|-------------------------------------|--------------------------------|--------------------------------|-----------|---------------------------|-----------------------------------|---------------------|
| Hazardous waste disposed      | kg   | 3.83E-04 | 2.99E-04                            | 2.13E-06                       | 3.05E-07                       | 7.75E-05  | 7.75E-05                  | 3.48E-06                          | -2.27E-05           |
| Non-hazardous waste disposed  | kg   | 3.26E-01 | 1.27E-01                            | 1.50E-02                       | 5.23E-03                       | 9.27E-02  | 9.27E-02                  | 8.69E-02                          | -1.59E-02           |
| Radioactive waste disposed    | kg   | 2.16E-04 | 3.06E-05                            | 9.20E-08                       | 2.99E-08                       | 1.85E-04  | 1.85E-04                  | 4.20E-07                          | -2.19E-06           |
| Components for re-use         | kg   | 0.00E+00 | 0.00E+00                            | 0.00E+00                       | 0.00E+00                       | 0.00E+00  | 0.00E+00                  | 0.00E+00                          | 0.00E+00            |
| Material for recycling        | kg   | 1.06E-01 | 3.74E-02                            | 0.00E+00                       | 2.47E-02                       | 0.00E+00  | 4.35E-02                  | 0.00E+00                          | 1.06E-01            |
| Materials for energy recovery | kg   | 7.06E-02 | 8.36E-03                            | 0.00E+00                       | 2.75E-03                       | 0.00E+00  | 5.95E-02                  | 0.00E+00                          | 7.06E-02            |
| Exported energy, electricity  | MJ   | 0.00E+00 | 0.00E+00                            | 0.00E+00                       | 0.00E+00                       | 0.00E+00  | 0.00E+00                  | 0.00E+00                          | 0.00E+00            |
| Exported energy, thermal      | MJ   | 0.00E+00 | 0.00E+00                            | 0.00E+00                       | 0.00E+00                       | 0.00E+00  | 0.00E+00                  | 0.00E+00                          | 0.00E+00            |

### Results of biogenic carbon for the reference product:

| Indicator                                | Unit    | Quantity |
|------------------------------------------|---------|----------|
| Biogenic carbon content of the product   | Kg of C | 0.00E+00 |
| Biogenic carbon content of the packaging | kg of C | 1.26E-02 |

## Extrapolation rules

Extrapolation factors have been calculated to apply the results of the reference product to the other products in the Simon 360 Lola socket-outlets family. These factors are based on the main environmental aspects of each life cycle stage, as all products in the family use the same materials and manufacturing process.

Simon 360 Lola socket-outlets have two parts: the socket mechanism and the outer plastic frame. All mechanisms are single sockets with different colors. The frames can vary in color and size (from 1 to 4 elements). Based on this, the manufacturing extrapolation factors are defined as follows:

$$\text{Total impact of the socket} =$$

$$(N * \text{Impact of the mechanism}) + \text{Impact of the outer frame}$$

In which N is the number of socket mechanisms of the final product, which must match the number of elements in the frames.

### Extrapolation coefficients:

| Reference code | N: Number of mechanisms | Manufacturing stage (A1-A3) | Distribution stage (A4) | Installation stage (A5) | Use stage (B1-B7) | End-of-life stage (C1-C4) | Benefits (D) |
|----------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------|---------------------------|--------------|
|----------------|-------------------------|-----------------------------|-------------------------|-------------------------|-------------------|---------------------------|--------------|

#### MECHANISM OF THE SOCKET

|                     |   |          |          |          |          |          |          |
|---------------------|---|----------|----------|----------|----------|----------|----------|
| <b>36100432-190</b> | 1 | 8.72E-01 | 8.72E-01 | 8.72E-01 | 1.00E+00 | 8.72E-01 | 8.72E-01 |
| 36100432-098        | 1 | 8.72E-01 | 8.72E-01 | 8.72E-01 | 1.00E+00 | 8.72E-01 | 8.72E-01 |
| 36100432-099        | 1 | 8.72E-01 | 8.72E-01 | 8.72E-01 | 1.00E+00 | 8.72E-01 | 8.72E-01 |

#### OUTER PLASTIC FRAME

|                     |   |          |          |          |          |          |          |
|---------------------|---|----------|----------|----------|----------|----------|----------|
| <b>36000610-190</b> | 1 | 1.28E-01 | 1.28E-01 | 1.28E-01 | 0.00E+00 | 1.28E-01 | 1.28E-01 |
| 36000610-098        | 1 | 1.28E-01 | 1.28E-01 | 1.28E-01 | 0.00E+00 | 1.28E-01 | 1.28E-01 |
| 36000610-099        | 1 | 1.28E-01 | 1.28E-01 | 1.28E-01 | 0.00E+00 | 1.28E-01 | 1.28E-01 |
| 36000620-190        | 2 | 1.51E-01 | 1.51E-01 | 5.52E-02 | 0.00E+00 | 1.73E-01 | 1.51E-01 |
| 36000620-098        | 2 | 1.51E-01 | 1.51E-01 | 5.52E-02 | 0.00E+00 | 1.73E-01 | 1.51E-01 |
| 36000620-099        | 2 | 1.51E-01 | 1.51E-01 | 5.52E-02 | 0.00E+00 | 1.73E-01 | 1.51E-01 |
| 36000630-190        | 3 | 2.00E-01 | 2.00E-01 | 5.52E-02 | 0.00E+00 | 2.33E-01 | 2.00E-01 |
| 36000630-098        | 3 | 2.00E-01 | 2.00E-01 | 5.52E-02 | 0.00E+00 | 2.33E-01 | 2.00E-01 |
| 36000630-099        | 3 | 2.00E-01 | 2.00E-01 | 5.52E-02 | 0.00E+00 | 2.33E-01 | 2.00E-01 |
| 36000640-190        | 4 | 2.32E-01 | 2.32E-01 | 1.06E-01 | 0.00E+00 | 2.61E-01 | 2.32E-01 |
| 36000640-098        | 4 | 2.32E-01 | 2.32E-01 | 1.06E-01 | 0.00E+00 | 2.61E-01 | 2.32E-01 |
| 36000640-099        | 4 | 2.32E-01 | 2.32E-01 | 1.06E-01 | 0.00E+00 | 2.61E-01 | 2.32E-01 |

\* The reference product is highlighted.