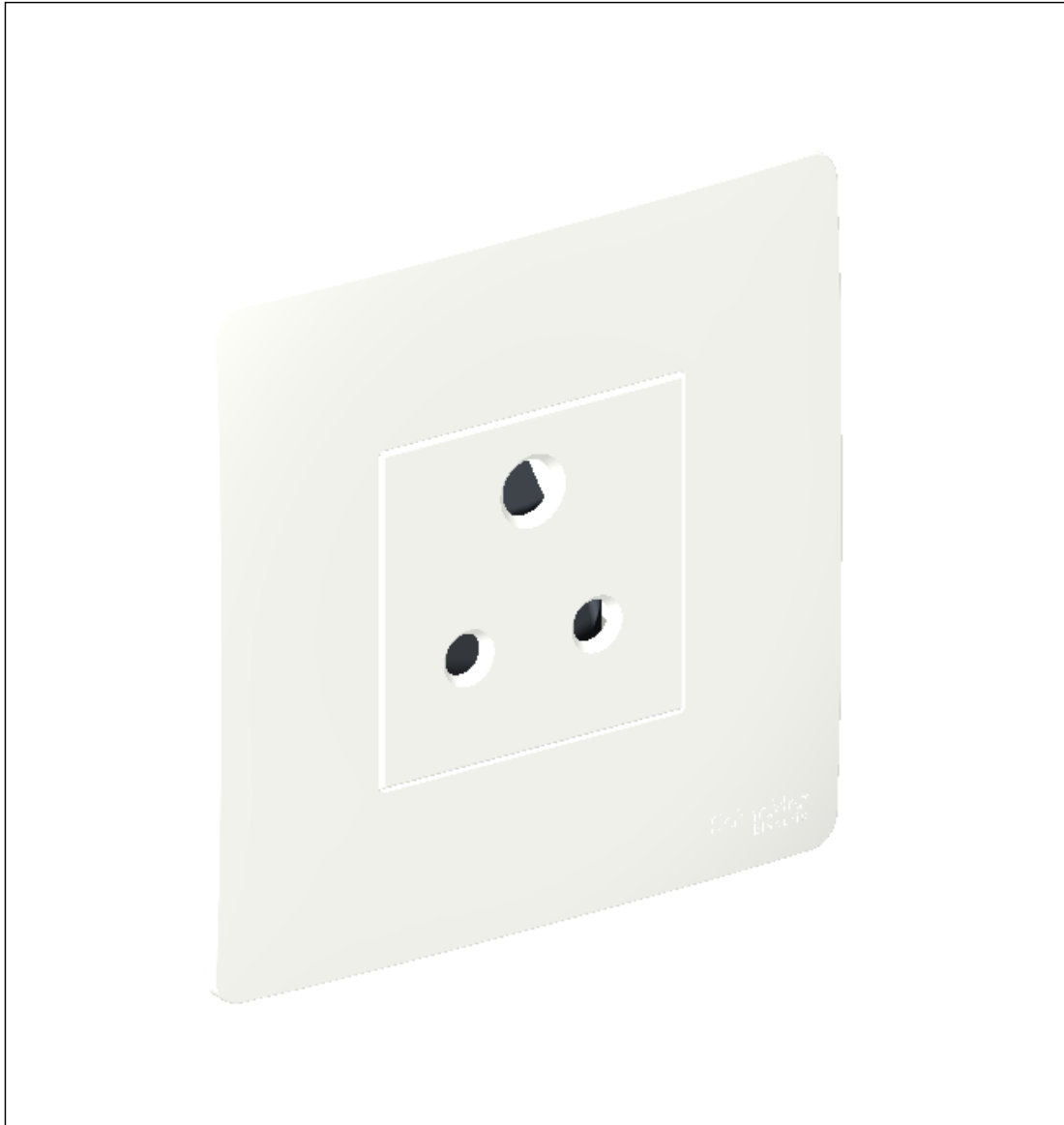


# Product Environmental Profile

## Miluz ZeTa SOCKET OUTLET WITH COVER FRAME

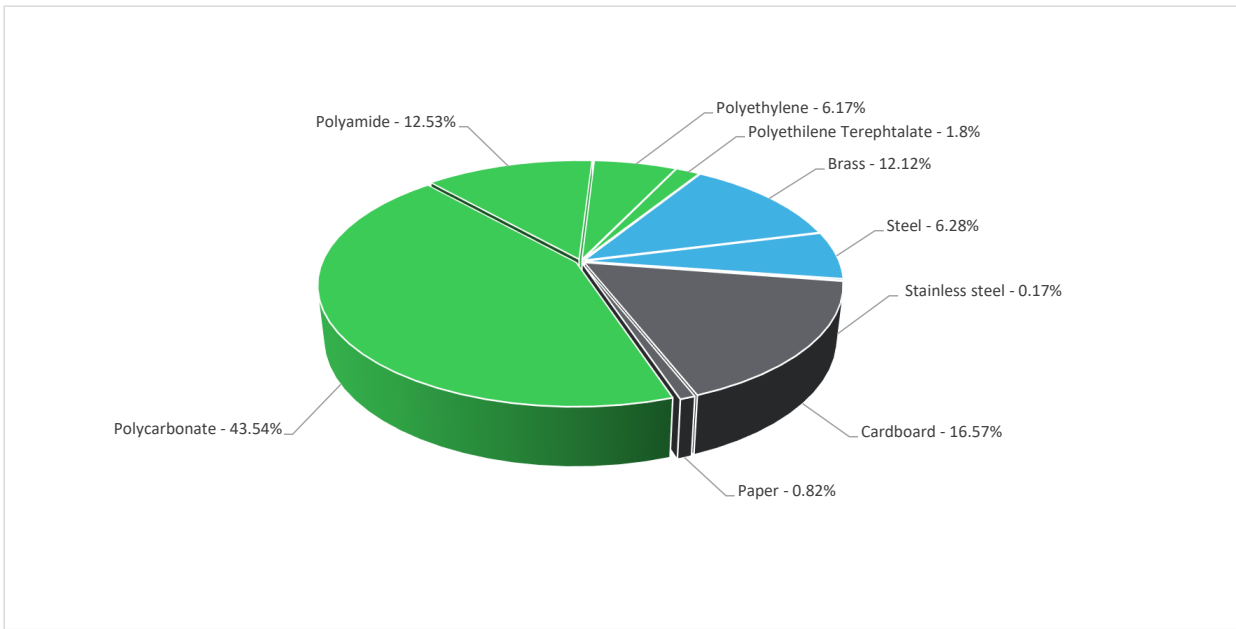


## General information

|                            |   |
|----------------------------|---|
| Reference product          | Miluz ZeTa SOCKET OUTLET WITH COVER FRAME - MZSO62M3P_WH + MZCP2M_WH  |
| Description of the product | The main purpose of the socket outlet with frame is to allow electrical equipment to connect to the electrical grid.  |
| Functional unit            | Connect/Disconnect during 20 years the plug of a load consuming (In) 6A under a voltage (U) 240V, while protecting the user from direct contact with live parts and with a protection class IP20 in accordance with the standard IEC 60529. |

## Constituent materials

|                        |  |
|------------------------|--|
| Reference product mass | 85.5g including the product, its packaging and additional elements and accessories |
|------------------------|--|



|          |       |
|----------|-------|
| Plastics | 64.1% |
| Metals   | 18.5% |
| Others   | 17.4% |

## Substance assessment

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website <https://www.se.com/ww/en/work/support/green-premium/>

## Additional environmental information

|             |                          |            |  |
|-------------|--------------------------|------------|--|
| End Of Life | Recyclability potential: | <b>24%</b> | Recyclability rate has been calculated based on REEECYLAB tool developed by Ecosystem, for components/materials not covered by the tool, data from the "ECO'DEEE recyclability and recoverability calculation method" was taken. If no data was found a conservative assumption was used (0% recyclability). |
|-------------|--------------------------|------------|--|

## Environmental impacts

|                                  |   |  |  |  |
|----------------------------------|---|--|--|--|
| Reference service life time      | 20 years  |  |  |  |
| Product category                 | Power socket  |  |  |  |
| Installation elements            | The disposal of the packaging materials are accounted for during the installation phase (including transport to disposal).  |  |  |  |
| Use scenario                     | Load rate: 50% of 6A (In)<br>Use time rate: 50% of the time over 20 years (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  | India   |  |  |  |
| Energy model used                | [A1 - A3]   | [A5]   | [B6]   | [C1 - C4]  |
|                                  | Electricity Mix; Production mix; Low voltage; IN  | Electricity Mix; Production mix; Low voltage; IN | Electricity Mix; Production mix; Low voltage; IN | Electricity Mix; Production mix; Low voltage; IN |

Detailed results, including all the optional indicators mentioned in PCRred4 are available in the LCA report and on demand in a digital format.  
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| Mandatory Indicators   |                           | Miluz ZeTa SOCKET OUTLET WITH COVER FRAME - MZSO62M3P_WH + MZCP2M_WH |               |              |              |           |             |           |
|--|---------------------------|--|---------------|--------------|--------------|-----------|-------------|-----------|
| Impact indicators  | Unit                      | Total  | Manufacturing | Distribution | Installation | Use       | End of Life | Benefits  |
|  |                           |  | [A1 - A3]     | [A4]         | [A5]         | [B1 - B7] | [C1 - C4]   | [D]       |
| Contribution to climate change                               | kg CO2 eq                 | 9.52E+00   | 4.25E-01      | 1.01E-02     | 2.79E-02     | 8.86E+00  | 1.97E-01    | -1.05E-01 |
| Contribution to climate change-fossil                        | kg CO2 eq                 | 9.51E+00   | 4.16E-01      | 1.01E-02     | 2.67E-02     | 8.86E+00  | 1.97E-01    | -1.03E-01 |
| Contribution to climate change-biogenic                      | kg CO2 eq                 | 1.06E-02   | 8.51E-03      | 0*           | 1.22E-03     | 8.60E-04  | 0*          | -1.90E-03 |
| Contribution to climate change-land use and land use change  | kg CO2 eq                 | 3.67E-08   | 0*            | 0*           | 3.67E-08     | 0*        | 0*          | 0.00E+00  |
| Contribution to ozone depletion                              | kg CFC-11 eq              | 7.69E-08   | 2.34E-08      | 1.55E-11     | 2.01E-09     | 5.09E-08  | 5.54E-10    | -2.05E-08 |
| Contribution to acidification                                | mol H+ eq                 | 7.07E-02   | 2.64E-03      | 6.41E-05     | 1.13E-04     | 6.77E-02  | 1.94E-04    | -5.49E-04 |
| Contribution to eutrophication, freshwater                   | kg (PO4) <sup>3-</sup> eq | 4.05E-06   | 2.90E-06      | 3.80E-09     | 3.63E-07     | 7.82E-07  | 8.95E-09    | -5.07E-07 |
| Contribution to eutrophication marine                        | kg N eq                   | 7.59E-03   | 3.04E-04      | 3.00E-05     | 3.02E-05     | 7.19E-03  | 3.88E-05    | -7.92E-05 |
| Contribution to eutrophication, terrestrial                  | mol N eq                  | 8.70E-02   | 3.19E-03      | 3.30E-04     | 2.36E-04     | 8.28E-02  | 4.66E-04    | -7.83E-04 |
| Contribution to photochemical ozone formation - human health | kg COVNM eq               | 2.54E-02   | 1.11E-03      | 8.31E-05     | 6.37E-05     | 2.40E-02  | 1.43E-04    | -2.86E-04 |
| Contribution to resource use, minerals and metals            | kg Sb eq                  | 1.22E-05   | 1.22E-05      | 0*           | 4.10E-09     | 5.99E-08  | 1.84E-09    | -1.32E-05 |
| Contribution to resource use, fossils                        | MJ                        | 1.51E+02   | 7.87E+00      | 1.41E-01     | 2.79E-01     | 1.39E+02  | 3.26E+00    | -1.77E+00 |
| Contribution to water use                                    | m3 eq                     | 4.60E-01   | 1.67E-02      | 0*           | 2.10E-02     | 3.92E-01  | 2.99E-02    | -8.01E-02 |

| Inventory flows Indicators  |      | Miluz ZeTa SOCKET OUTLET WITH COVER FRAME - MZSO62M3P_WH + MZCP2M_WH |           |              |              |           |             |           |
|---|------|--|-----------|--------------|--------------|-----------|-------------|-----------|
| Inventory flows   | Unit | Total  | Manufact. | Distribution | Installation | Use       | End of Life | Benefits  |
|   |      |  | [A1 - A3] | [A4]         | [A5]         | [B1 - B7] | [C1 - C4]   | [D]       |
| Contribution to use of renewable primary energy excluding renewable primary energy used as raw material         | MJ   | 7.79E+00   | 5.19E-03  | 0*           | 2.74E-02     | 7.76E+00  | 8.34E-04    | 1.42E-01  |
| Contribution to use of renewable primary energy resources used as raw material                                  | MJ   | 2.85E-01   | 2.85E-01  | 0*           | 0*           | 0*        | 0*          | -2.60E-01 |
| Contribution to total use of renewable primary energy resources   | MJ   | 8.08E+00   | 2.90E-01  | 0*           | 2.74E-02     | 7.76E+00  | 8.34E-04    | -1.17E-01 |
| Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material | MJ   | 1.49E+02   | 6.11E+00  | 1.41E-01     | 2.79E-01     | 1.39E+02  | 3.26E+00    | -1.50E+00 |
| Contribution to use of non renewable primary energy resources used as raw material                              | MJ   | 1.77E+00   | 1.77E+00  | 0*           | 0*           | 0*        | 0*          | -2.69E-01 |

|   |         |          |          |          |          |          |          |           |
|---|---------|----------|----------|----------|----------|----------|----------|-----------|
| Contribution to total use of non-renewable primary energy resources | MJ      | 1.51E+02 | 7.87E+00 | 1.41E-01 | 2.79E-01 | 1.39E+02 | 3.26E+00 | -1.77E+00 |
| Contribution to use of secondary material                           | kg      | 1.59E-03 | 1.59E-03 | 0*       | 0*       | 0*       | 0*       | 0.00E+00  |
| Contribution to use of renewable secondary fuels                    | MJ      | 0.00E+00 | 0*       | 0*       | 0*       | 0*       | 0*       | 0.00E+00  |
| Contribution to use of non renewable secondary fuels                | MJ      | 0.00E+00 | 0*       | 0*       | 0*       | 0*       | 0*       | 0.00E+00  |
| Contribution to net use of freshwater                               | m³      | 1.07E-02 | 3.90E-04 | 0*       | 4.88E-04 | 9.13E-03 | 6.95E-04 | -1.86E-03 |
| Contribution to hazardous waste disposed                            | kg      | 1.26E+00 | 9.27E-01 | 0*       | 3.16E-04 | 2.72E-01 | 6.26E-02 | -1.00E+00 |
| Contribution to non hazardous waste disposed                        | kg      | 2.41E+00 | 7.32E-01 | 3.55E-04 | 8.68E-02 | 1.54E+00 | 5.07E-02 | -4.09E-01 |
| Contribution to radioactive waste disposed                          | kg      | 2.94E-04 | 2.25E-04 | 2.53E-07 | 1.20E-05 | 5.52E-05 | 2.04E-06 | -3.46E-05 |
| Contribution to components for reuse                                | kg      | 0.00E+00 | 0*       | 0*       | 0*       | 0*       | 0*       | 0.00E+00  |
| Contribution to materials for recycling                             | kg      | 3.62E-02 | 0*       | 0*       | 2.11E-02 | 0*       | 1.51E-02 | 0.00E+00  |
| Contribution to materials for energy recovery                       | kg      | 0.00E+00 | 0*       | 0*       | 0*       | 0*       | 0*       | 0.00E+00  |
| Contribution to exported energy                                     | MJ      | 0.00E+00 | 0*       | 0*       | 0*       | 0*       | 0*       | 0.00E+00  |
| Contribution to biogenic carbon content of the product              | kg de C | 0.00E+00 | 0*       | 0*       | 0*       | 0*       | 0*       | 0.00E+00  |
| Contribution to biogenic carbon content of the associated packaging | kg de C | 0.00E+00 | 0*       | 0*       | 0*       | 0*       | 0*       | 0.00E+00  |

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

Life cycle assessment performed with EIME version 5.9.4, database version 2022-01 in compliance with ISO14044.

Detailed results, including all the optional indicators mentioned in PCRRed4 are available in the LCA report and on demand in a digital format.

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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.

|  |                  |                                     |  |
|--|------------------|-------------------------------------|--|
| Registration number :  | ENVPEP2408030_V1 | Drafting rules                      | PEP-PCR-ed4-2021 09 06   |
| Validity period  | 5 years          | Supplemented by                     | PSR-0005-ed2-2016 03 29  |
| Date of issue  | 09/2024          | Information and reference documents | <a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a> |
| 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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