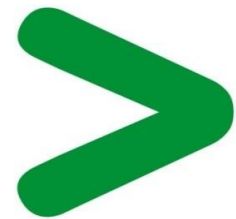


# Product Environmental Profile

## Remote terminal - for variable speed drive - IP54





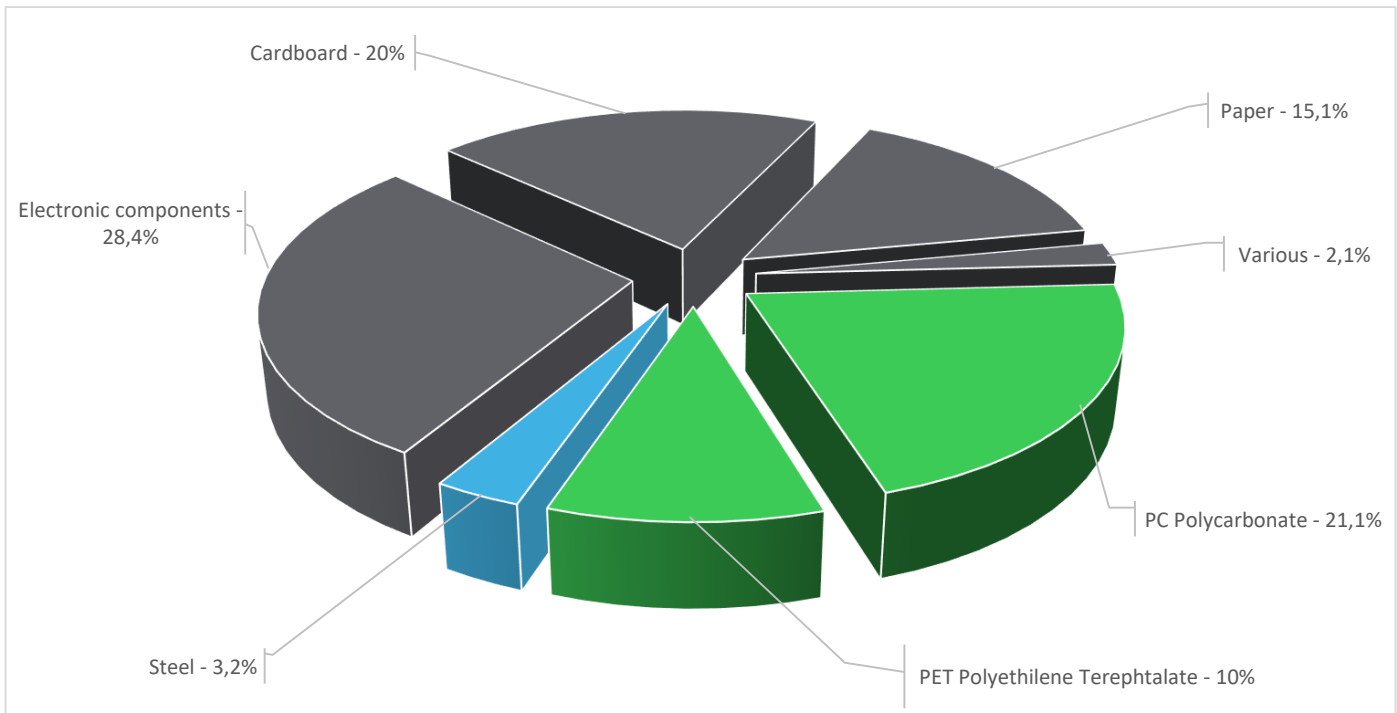
## General information

|                                   |   |
|-----------------------------------|---|
| <b>Representative product</b>     | Remote terminal - for variable speed drive - IP54 - VW3A1006  |
| <b>Description of the product</b> | This remote graphic terminal is used to control, adjust and configure the variable speed drive, to save and download configurations and to display the current values.  |
| <b>Functional unit</b>            | To control, adjust and configure a variable speed drive, it can be mounting on the door of an enclosure. Calculation of the environmental impacts is based on 10 years of product service lifetime. The usage profile taken into account is 100% uptime in use phase. |



## Constituent materials

|                               |       |  |
|-------------------------------|-------|--|
| <b>Reference product mass</b> | 105 g | including the product, its packaging and additional elements and accessories |
|-------------------------------|-------|--|



|   |     |
|---|-----|
| <span style="display:inline-block; width:15px; height:10px; background-color: #4CAF50; border: 1px solid black;"></span> Plastics | 31% |
| <span style="display:inline-block; width:15px; height:10px; background-color: #2196F3; border: 1px solid black;"></span> Metals   | 3%  |
| <span style="display:inline-block; width:15px; height:10px; background-color: #546E7A; border: 1px solid black;"></span> Others   | 66% |



## Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 8 June 2011) 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) as mentioned in the Directive

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website

<http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page>



## Additional environmental information

The Remote terminal - for variable speed drive - IP54 presents the following relevant environmental aspects

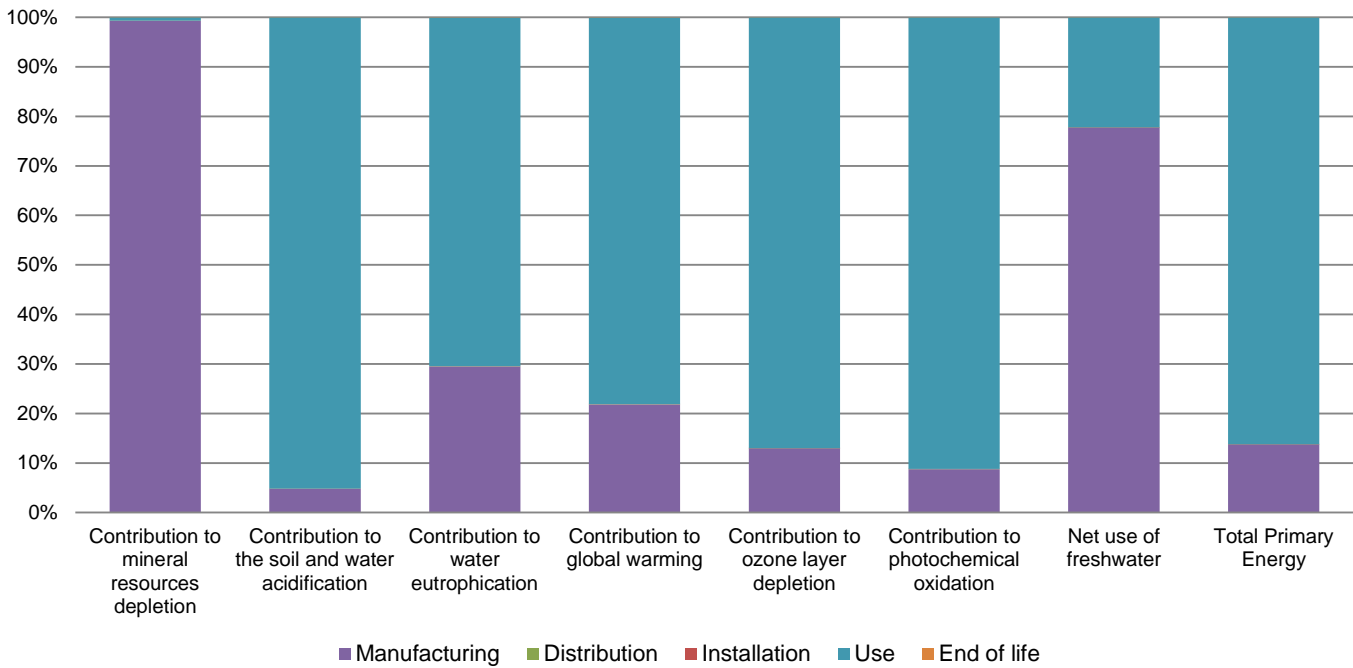
|                      |  |
|----------------------|--|
| <b>Manufacturing</b> | Manufactured at a Schneider Electric production site ISO14001 certified  |
| <b>Distribution</b>  | Weight and volume of the packaging optimized, based on the European Union's packaging directive<br>Packaging weight is 35 g, consisting of Paper (43%) and cardboard (57%)   |
| <b>Installation</b>  | The product does not require any installation operation.   |
| <b>Use</b>           | The product does not require special maintenance operations.   |
| <b>End of life</b>   | End of life optimized to decrease the amount of waste and allow recovery of the product components and materials<br>This product contains PCBA (28 g) that should be separated from the stream of waste so as to optimize end-of-life treatment.<br><a href="http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page">http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page</a><br>Recyclability potential: <b>11%</b> 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

|   |  |   |   |   |
|---|--|---|---|---|
| <b>Reference life time</b>              | 10 years   |   |   |   |
| <b>Product category</b>                 | Other equipments - Active product  |   |   |   |
| <b>Installation elements</b>            | The disposal of the packaging materials are accounted for during the installation phase (including transport to disposal).   |   |   |   |
| <b>Use scenario</b>                     | This product is active 100% of the time with a consumption of 1 W.   |   |   |   |
| <b>Geographical representativeness</b>  | Europe   |   |   |   |
| <b>Technological representativeness</b> | This remote graphic terminal is used to control, adjust and configure the variable speed drive, to save and download configurations and to display the current values. |   |   |   |
| <b>Energy model used</b>                | <b>Manufacturing</b>   | <b>Installation</b>   | <b>Use</b>  | <b>End of life</b>  |
|   | Energy model used: Indonesia   | Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27 | Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27 | Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27 |

| Compulsory indicators                            |                                     | Remote terminal - for variable speed drive - IP54 - VW3A1006 |               |              |              |          |             |
|--|-------------------------------------|--|---------------|--------------|--------------|----------|-------------|
| Impact indicators                                | Unit                                | Total  | Manufacturing | Distribution | Installation | Use      | End of Life |
| Contribution to mineral resources depletion      | kg Sb eq                            | 3,66E-04   | 3,64E-04      | 0*           | 0*           | 2,36E-06 | 0*          |
| Contribution to the soil and water acidification | kg SO <sub>2</sub> eq               | 4,11E-01   | 1,96E-02      | 6,19E-05     | 0*           | 3,91E-01 | 0*          |
| Contribution to water eutrophication             | kg PO <sub>4</sub> <sup>3-</sup> eq | 2,08E-02   | 6,14E-03      | 1,42E-05     | 0*           | 1,47E-02 | 1,62E-05    |
| Contribution to global warming                   | kg CO <sub>2</sub> eq               | 6,63E+01   | 1,45E+01      | 1,35E-02     | 0*           | 5,17E+01 | 5,09E-02    |
| Contribution to ozone layer depletion            | kg CFC11 eq                         | 1,44E-05   | 1,88E-06      | 0*           | 0*           | 1,26E-05 | 1,73E-09    |
| Contribution to photochemical oxidation          | kg C <sub>2</sub> H <sub>4</sub> eq | 2,03E-02   | 1,77E-03      | 4,41E-06     | 0*           | 1,85E-02 | 2,68E-06    |
| Resources use                                    | Unit                                | Total  | Manufacturing | Distribution | Installation | Use      | End of Life |
| Net use of freshwater                            | m3                                  | 6,07E-01   | 4,72E-01      | 0*           | 0*           | 1,35E-01 | 0*          |
| Total Primary Energy                             | MJ                                  | 1,22E+03   | 1,67E+02      | 1,92E-01     | 0*           | 1,05E+03 | 1,38E-01    |



| Optional indicators   |      | Remote terminal - for variable speed drive - IP54 - VW3A1006 |               |              |              |          |             |
|---|------|--|---------------|--------------|--------------|----------|-------------|
| Impact indicators   | Unit | Total  | Manufacturing | Distribution | Installation | Use      | End of Life |
| Contribution to fossil resources depletion  | MJ   | 6,80E+02   | 1,47E+02      | 1,90E-01     | 0*           | 5,33E+02 | 1,13E-01    |
| Contribution to air pollution   | m³   | 3,23E+03   | 1,01E+03      | 5,76E-01     | 0*           | 2,22E+03 | 1,00E+00    |
| Contribution to water pollution   | m³   | 3,36E+03   | 1,18E+03      | 2,23E+00     | 0*           | 2,17E+03 | 2,18E+00    |
| Resources use   | Unit | Total  | Manufacturing | Distribution | Installation | Use      | End of Life |
| Use of secondary material   | kg   | 2,04E-02   | 2,04E-02      | 0*           | 0*           | 0*       | 0*          |
| Total use of renewable primary energy resources   | MJ   | 8,18E+01   | 6,79E+00      | 0*           | 0*           | 7,50E+01 | 0*          |
| Total use of non-renewable primary energy resources   | MJ   | 1,13E+03   | 1,60E+02      | 1,91E-01     | 0*           | 9,73E+02 | 1,37E-01    |
| Use of renewable primary energy excluding renewable primary energy used as raw material         | MJ   | 8,15E+01   | 6,56E+00      | 0*           | 0*           | 7,50E+01 | 0*          |
| Use of renewable primary energy resources used as raw material                                  | MJ   | 2,29E-01   | 2,29E-01      | 0*           | 0*           | 0*       | 0*          |
| Use of non renewable primary energy excluding non renewable primary energy used as raw material | MJ   | 1,13E+03   | 1,59E+02      | 1,91E-01     | 0*           | 9,73E+02 | 1,37E-01    |
| Use of non renewable primary energy resources used as raw material                              | MJ   | 1,35E+00   | 1,35E+00      | 0*           | 0*           | 0*       | 0*          |
| Use of non renewable secondary fuels  | MJ   | 0,00E+00   | 0*            | 0*           | 0*           | 0*       | 0*          |
| Use of renewable secondary fuels  | MJ   | 0,00E+00   | 0*            | 0*           | 0*           | 0*       | 0*          |
| Waste categories  | Unit | Total  | Manufacturing | Distribution | Installation | Use      | End of Life |
| Hazardous waste disposed  | kg   | 2,37E+00   | 2,22E+00      | 0*           | 0*           | 0*       | 1,51E-01    |
| Non hazardous waste disposed  | kg   | 1,98E+02   | 4,66E+00      | 0*           | 0*           | 1,93E+02 | 0*          |
| Radioactive waste disposed  | kg   | 1,60E-01   | 2,37E-03      | 0*           | 0*           | 1,58E-01 | 0*          |
| Other environmental information   | Unit | Total  | Manufacturing | Distribution | Installation | Use      | End of Life |
| Materials for recycling   | kg   | 4,89E-02   | 6,69E-03      | 0*           | 3,48E-02     | 0*       | 7,34E-03    |
| Components for reuse  | kg   | 0,00E+00   | 0*            | 0*           | 0*           | 0*       | 0*          |
| Materials for energy recovery   | kg   | 1,39E-02   | 0*            | 0*           | 0*           | 0*       | 1,39E-02    |
| Exported Energy   | MJ   | 1,09E-04   | 8,92E-06      | 0*           | 1,00E-04     | 0*       | 0*          |

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

Life cycle assessment performed with EIME version EIME v5.9, database version 2020-12 in compliance with ISO14044.

The use phase is the life cycle phase which has the greatest impact on the majority of environmental indicators (based on compulsory indicators).

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  | ENVPEP2010017_V1 | Drafting rules                      | PCR-ed3-EN-2015 04 02  |
| Date of issue  | 08/2022          | Supplemented by                     | PSR-0005-ed2-EN-2016 03 29   |
| Validity period  | 5 years          | Information and reference documents | <a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a> |
| <i>Independent verification of the declaration and data</i>  |                  |                                     |  |
| Internal   | X                | External                            |  |
| <i>The elements of the present PEP cannot be compared with elements from another program.</i>  |                  |                                     |  |
| <i>Document in compliance with ISO 14021:2016 « Environmental labels and declarations - Self-declared environmental claims (Type II environmental labelling) »</i> |                  |                                     |  |

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