

# Product Environmental Profile

## 1 GANG 13A SP SWITCHED SOCKET USB





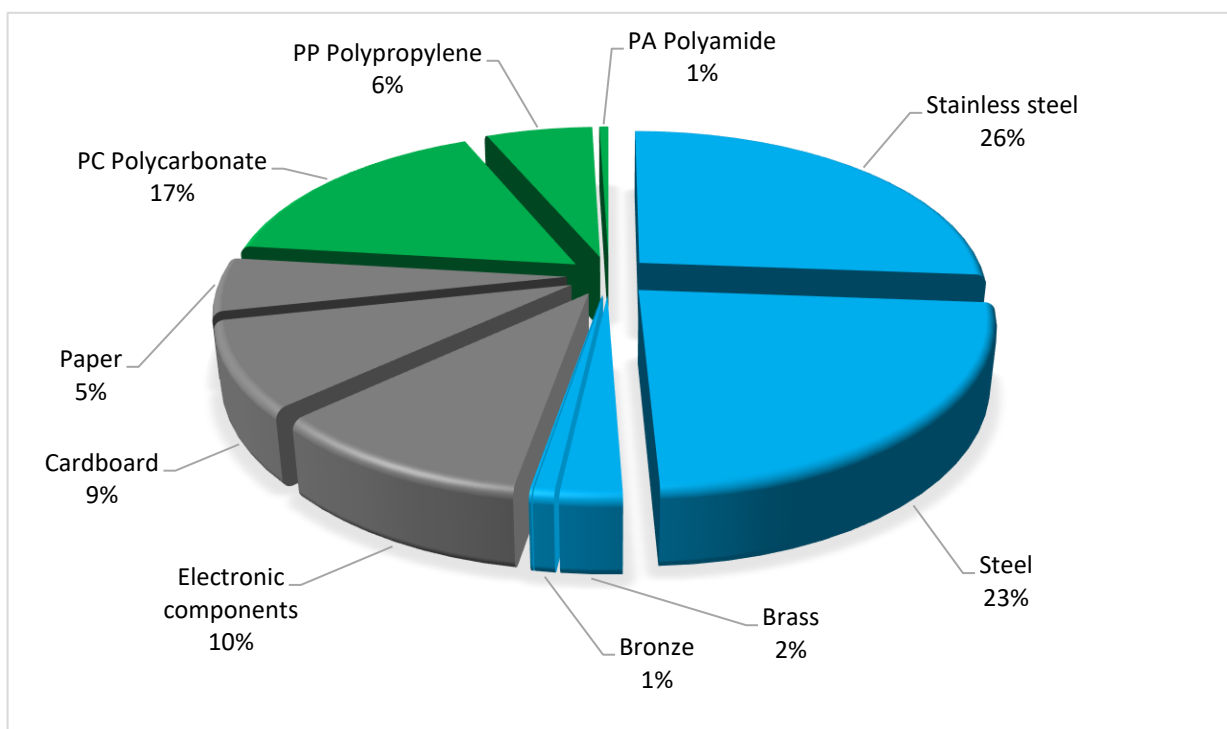
## General information

<b>Representative product</b>	1 GANG 13A SP SWITCHED SOCKET USB - GGBGU34102USBACBSS
<b>Description of the product</b>	The main function of the socket outlet is to allow users to connect and disconnect the plug of an electrical load or the source of a signal from a network.
<b>Functional unit</b>	<p>Connect/Disconnect during 20 years the plug of a load consuming 13A under a voltage of 250V while protecting the user from direct contact with live parts, in accordance with BS1363.EN62368.EN62680.</p> <p>And make available during 20 years the USB connections, in accordance with BS1363.EN62368.EN62680</p> <ul style="list-style-type: none"> <li>- Input voltage: 250V/5V</li> <li>- Input current: 13A/2.1A</li> </ul>



## Constituent materials

<b>Reference product mass</b>	235 g	including the product, its packaging and additional elements and accessories
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Plastics	23.1%
Metals	52.7%
Others	24.2%



## 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 EU 2015/863) and do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium, flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers – PBDE), or phthalates (Bis(2-ethylhexyl) phthalate - DEHP, Butyl benzyl phthalate -BBP, Dibutyl phthalate – DBP, Diisobutyl phthalate - DIBP) 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 1 GANG 13A SP SWITCHED SOCKET USB presents the following relevant environmental aspects

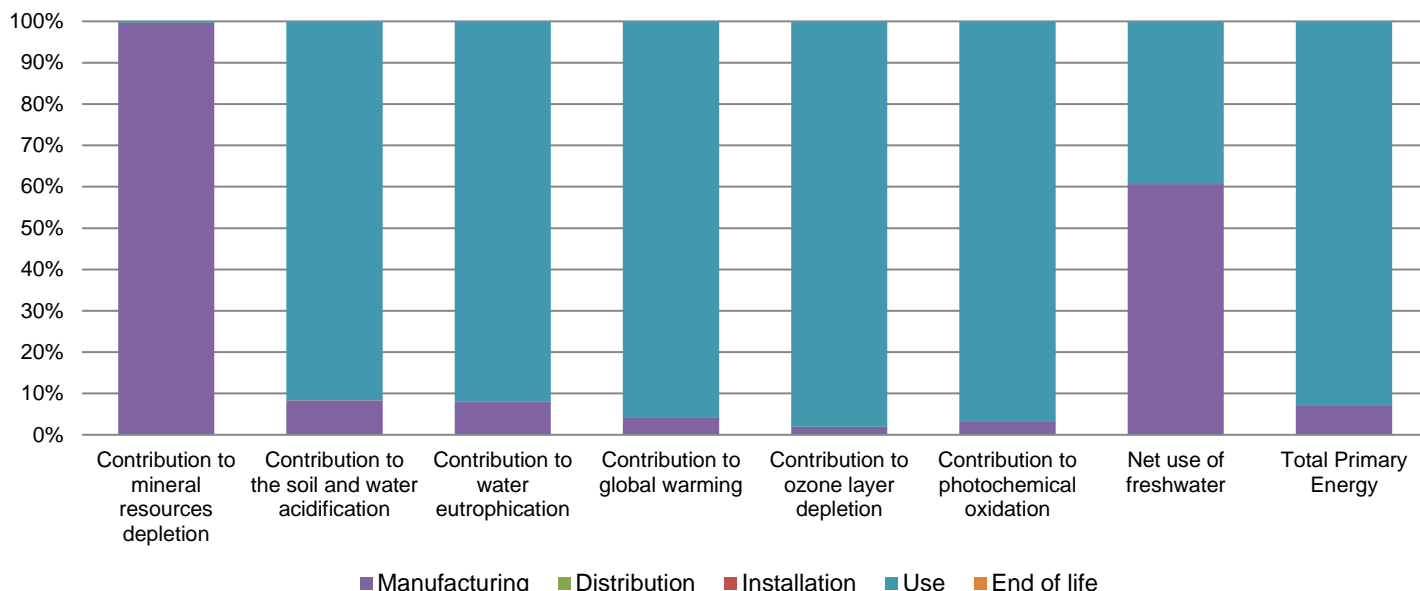
<b>Manufacturing</b>	Manufactured at a production site complying with the regulations
<b>Distribution</b>	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 32.5 g, consisting of Paper (38.31%), Cardboard (61.54%), Plastic (0.15%) Product distribution optimised by setting up local distribution centres
<b>Installation</b>	Ref GGBGU34102USBACBSS does not require any special installation.
<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  This product contains Electronic card (26.50g), Plastic parts with brominated FR (13.75g) that should be separated from the stream of waste so as to optimize end-of-life treatment.  The location of these components and other recommendations are given in the End of Life Instruction document which is available on the Schneider-Electric Green Premium website  <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>  Recyclability potential: <b>65%</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>	20 years			
<b>Product category</b>	USB socket			
<b>Installation elements</b>	No special components needed			
<b>Use scenario</b>	The product is in active mode 30% of the time with a power use of 10.5W and in standby mode 70% of the time with a power use of 0.1W, for 20 years			
<b>Geographical representativeness</b>	Egypt			
<b>Technological representativeness</b>	The main function of the socket outlet is to allow users to connect and disconnect the plug of an electrical load or the source of a signal from a network.			
<b>Energy model used</b>	<b>Manufacturing</b>	<b>Installation</b>	<b>Use</b>	<b>End of life</b>
	Energy model used: China	Electricity mix; AC; consumption mix, at consumer; 220V; EG	Electricity mix; AC; consumption mix, at consumer; 220V; EG	Electricity mix; AC; consumption mix, at consumer; 220V; EG

Compulsory indicators		1 GANG 13A SP SWITCHED SOCKET USB - GGBGU34102USBACBSS					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	7.15E-04	7.13E-04	0*	0*	2.65E-06	0*
Contribution to the soil and water acidification	kg SO <sub>2</sub> eq	2.22E-01	1.83E-02	1.38E-04	0*	2.04E-01	7.05E-05
Contribution to water eutrophication	kg PO <sub>4</sub> <sup>3-</sup> eq	5.90E-02	4.67E-03	3.19E-05	0*	5.43E-02	2.45E-05
Contribution to global warming	kg CO <sub>2</sub> eq	3.21E+02	1.34E+01	0*	0*	3.07E+02	5.99E-02
Contribution to ozone layer depletion	kg CFC11 eq	8.88E-05	1.76E-06	0*	0*	8.70E-05	0*
Contribution to photochemical oxidation	kg C <sub>2</sub> H <sub>4</sub> eq	5.56E-02	1.81E-03	9.88E-06	0*	5.38E-02	6.87E-06
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	5.14E-01	3.12E-01	0*	0*	2.02E-01	0*
Total Primary Energy	MJ	2.25E+03	1.58E+02	4.29E-01	0*	2.10E+03	3.31E-01

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Optional indicators		1 GANG 13A SP SWITCHED SOCKET USB - GGBGU34102USBACBSS					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	1.82E+03	1.33E+02	4.26E-01	0*	1.69E+03	2.68E-01
Contribution to air pollution	m <sup>3</sup>	1.71E+04	1.12E+03	0*	0*	1.60E+04	2.37E+00
Contribution to water pollution	m <sup>3</sup>	1.97E+04	1.23E+03	4.99E+00	0*	1.84E+04	3.54E+00
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	3.67E-03	3.67E-03	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	3.26E+02	5.58E+00	0*	0*	3.20E+02	0*
Total use of non-renewable primary energy resources	MJ	1.93E+03	1.52E+02	4.28E-01	0*	1.78E+03	3.31E-01
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	3.25E+02	4.97E+00	0*	0*	3.20E+02	0*
Use of renewable primary energy resources used as raw material	MJ	6.08E-01	6.08E-01	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.93E+03	1.50E+02	4.28E-01	0*	1.78E+03	3.31E-01
Use of non renewable primary energy resources used as raw material	MJ	2.22E+00	2.22E+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	1.81E+01	1.66E+01	0*	0*	1.29E+00	2.99E-01
Non hazardous waste disposed	kg	5.12E+00	3.70E+00	1.08E-03	0*	1.42E+00	9.74E-04
Radioactive waste disposed	kg	2.71E-02	1.48E-03	0*	0*	2.57E-02	0*
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	1.85E-01	2.13E-02	0*	3.23E-02	0*	1.31E-01
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	1.27E-02	0*	0*	0*	0*	1.27E-02
Exported Energy	MJ	6.69E-03	6.60E-03	0*	9.29E-05	0*	0*

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

Life cycle assessment performed with EIME version EIME v5.9.3, database version 2022-01 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.

<i>Registration number</i>	ENVPEP2206008_V1	<i>Drafting rules</i>	PCR-ed3-EN-2015 04 02
<i>Date of issue</i>	07/2022	<i>Supplemented by</i>	PSR-0005-ed2-EN-2016 03 29
<i>Validity period</i>	5 years	<i>Information and reference documents</i>	<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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