

# Product Environmental Profile

## MODULAR SOCKET





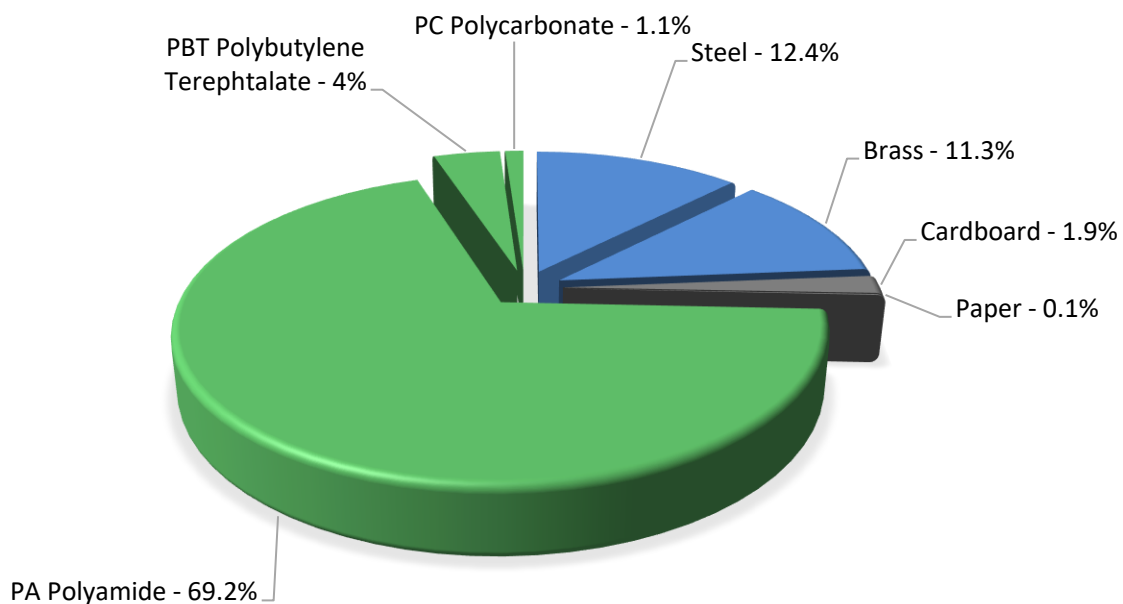
## General information

Representative product	MODULAR SOCKET - A9A15306
Description of the product	Allows low-voltage devices to be connected to the electrical network
Functional unit	Connect/Disconnect during 20 years the plug of a load consuming In under a voltage of 250 V AC 50/60 Hz while protecting the user from direct contact with live parts and with a protection class IP 40 and IK 03 -standards:IEC 60884-1/NF C 15-100/NF C 61-314 -IP:IP40 (in modular enclosure) conforming to IEC 60529/IP20 conforming to IEC 6 -IK:IK03



## Constituent materials

Reference product mass 100 g including the product, its packaging and additional elements and accessories



Plastics	74.3%
Metals	23.7%
Others	2.0%



## 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, 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 MODULAR SOCKET 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 Packaging weight is 2.1 g, consisting of cardboard (95%), Paper (5%)
<b>Installation</b>	Ref A9A15306 does not require any installation operations.
<b>Use</b>	The product does not require special maintenance operations.
<b>End of life</b>	<p>End of life optimized to decrease the amount of waste and allow recovery of the product components and materials</p> <p>This product contains PBT GF30 FR((17)(4.166g) that should be separated from the stream of waste so as to optimize end-of-life treatment.</p> <p>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></p> <p>Recyclability potential: <b>22%</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).</p>



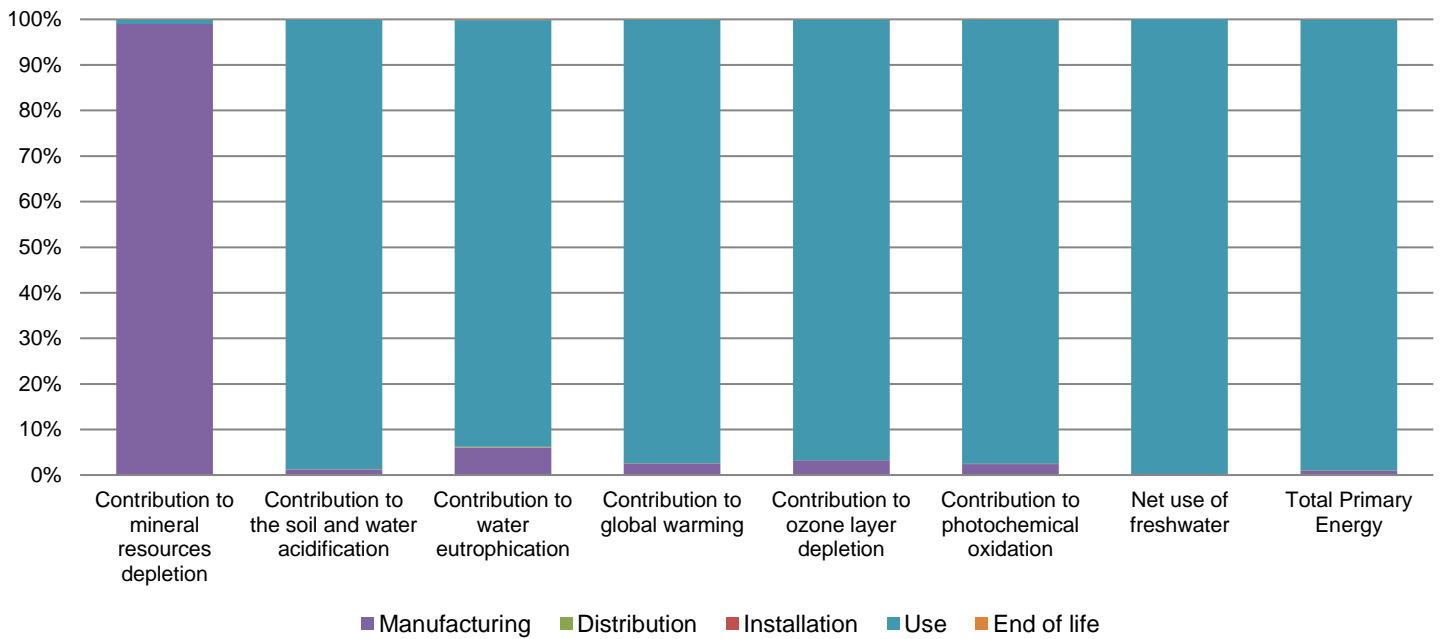
## Environmental impacts

<b>Reference life time</b>	20 years			
<b>Product category</b>	Power socket			
<b>Installation elements</b>	No special components needed			
<b>Use scenario</b>	Load rate: 50 % of In Use rate: 50% of the RLT			
<b>Geographical representativeness</b>	Europe			
<b>Technological representativeness</b>	Allows low-voltage devices to be connected to the electrical network			
<b>Energy model used</b>	<b>Manufacturing</b>	<b>Installation</b>	<b>Use</b>	<b>End of life</b>
	Energy model used: Belgium	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27

### Compulsory indicators

### MODULAR SOCKET - A9A15306

Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	2.19E-04	2.17E-04	0*	0*	2.24E-06	0*
Contribution to the soil and water acidification	kg SO <sub>2</sub> eq	1.09E-01	1.36E-03	5.89E-05	0*	1.07E-01	3.17E-05
Contribution to water eutrophication	kg PO <sub>4</sub> <sup>3-</sup> eq	6.92E-03	4.14E-04	1.36E-05	0*	6.49E-03	9.82E-06
Contribution to global warming	kg CO <sub>2</sub> eq	2.64E+01	6.54E-01	1.29E-02	0*	2.58E+01	2.13E-02
Contribution to ozone layer depletion	kg CFC11 eq	1.73E-06	5.61E-08	0*	0*	1.68E-06	7.52E-10
Contribution to photochemical oxidation	kg C <sub>2</sub> H <sub>4</sub> eq	6.06E-03	1.47E-04	4.20E-06	0*	5.90E-03	3.22E-06
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m <sup>3</sup>	9.34E+01	0*	0*	0*	9.34E+01	0*
Total Primary Energy	MJ	5.20E+02	4.97E+00	1.82E-01	0*	5.14E+02	1.50E-01



Optional indicators		MODULAR SOCKET - A9A15306					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	2.96E+02	3.06E+00	1.81E-01	0*	2.92E+02	1.21E-01
Contribution to air pollution	m³	1.22E+03	1.10E+02	5.49E-01	0*	1.11E+03	1.11E+00
Contribution to water pollution	m³	1.41E+03	3.39E+02	2.12E+00	0*	1.06E+03	1.44E+00
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	1.36E-03	1.36E-03	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	6.56E+01	1.76E-01	0*	0*	6.54E+01	0*
Total use of non-renewable primary energy resources	MJ	4.54E+02	4.80E+00	1.82E-01	0*	4.49E+02	1.50E-01
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	6.55E+01	1.34E-01	0*	0*	6.54E+01	0*
Use of renewable primary energy resources used as raw material	MJ	4.16E-02	4.16E-02	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	4.52E+02	2.85E+00	1.82E-01	0*	4.49E+02	1.50E-01
Use of non renewable primary energy resources used as raw material	MJ	1.94E+00	1.94E+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	2.52E+00	2.33E+00	0*	0*	1.34E-02	1.81E-01
Non hazardous waste disposed	kg	9.64E+01	4.09E-01	0*	0*	9.60E+01	0*
Radioactive waste disposed	kg	6.44E-02	2.70E-04	0*	0*	6.41E-02	0*
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	3.39E-02	9.80E-03	0*	2.10E-03	0*	2.19E-02
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	3.85E-03	0*	0*	0*	0*	3.85E-03
Exported Energy	MJ	6.68E-06	6.28E-07	0*	6.05E-06	0*	0*

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

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

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		Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010			
Internal	External	X	
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)			
PEP are compliant with XP C08-100-1 :2016			
The elements of the present PEP cannot be compared with elements from another program.			
Document in compliance with ISO 14025 : 2010 « Environmental labels and declarations. Type III environmental declarations »			



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