Product Environmental Profile

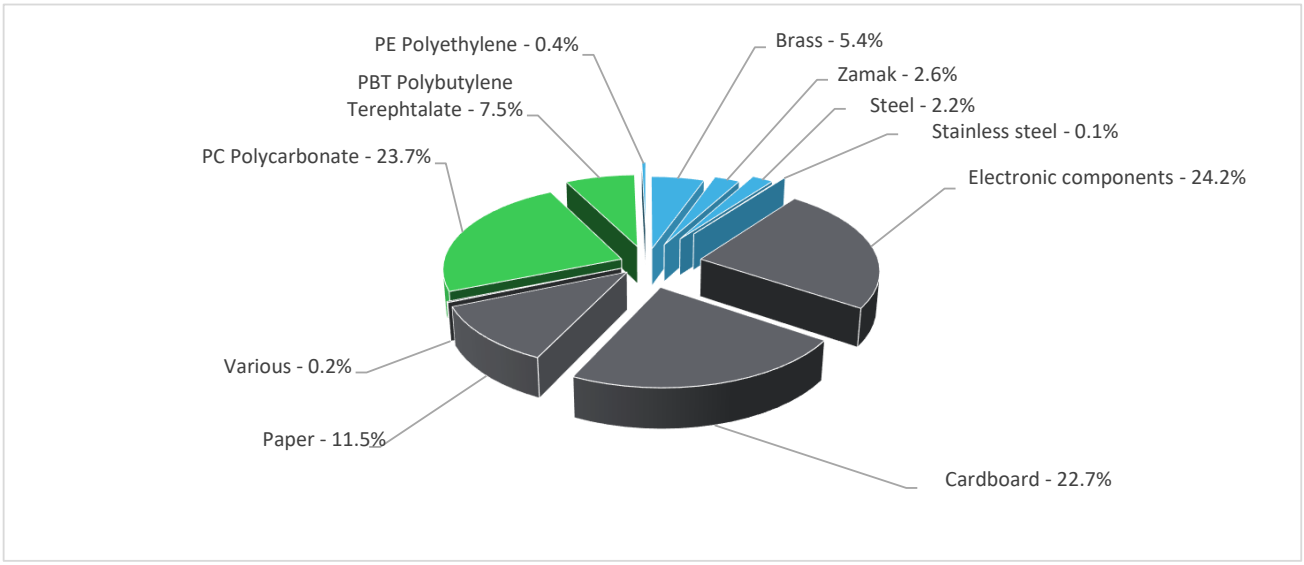
FUGA WISER SOCKET OUTLET 1.5M WHITE

General information

Representative product	FUGA WISER SOCKET OUTLET 1.5M WHITE - 545D6115
Description of the product	The Connected double socket outlet 16A is equipped with a standard and a smart socket with clear marking of Wiser Smart icon for identification. Use in new build or retrofit installation for controlling electrical devices through the push button on the device, app or by voice command (Amazon Alexa, Google Home).
Functional unit	This product is to Connect / Disconnect for 20 years the plug of a load consuming 16A under a voltage of 230V while protecting the user from direct contact with live parts and with a protection class IP20 & IK03 with the following standards, General standards: IEC 61000-4-2, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, CISPR 22, IEC 61000-4-3, IEC61000-4-11 Socket standards: IEC 60884-1:2013 Ed 3.2,

Constituent materials

Reference product mass	115 g	including the product, its packaging and additional elements and accessories



	Plastics	31.2%
	Metals	10.3%
	Others	58.6%

Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 2 January 2013, amended in March 2015, 2015/863/EU and in November 2017, 2017/2102/EU) 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), Bis (2-ethylhexyl)phthalate - DEHP, Benzyl butyl 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

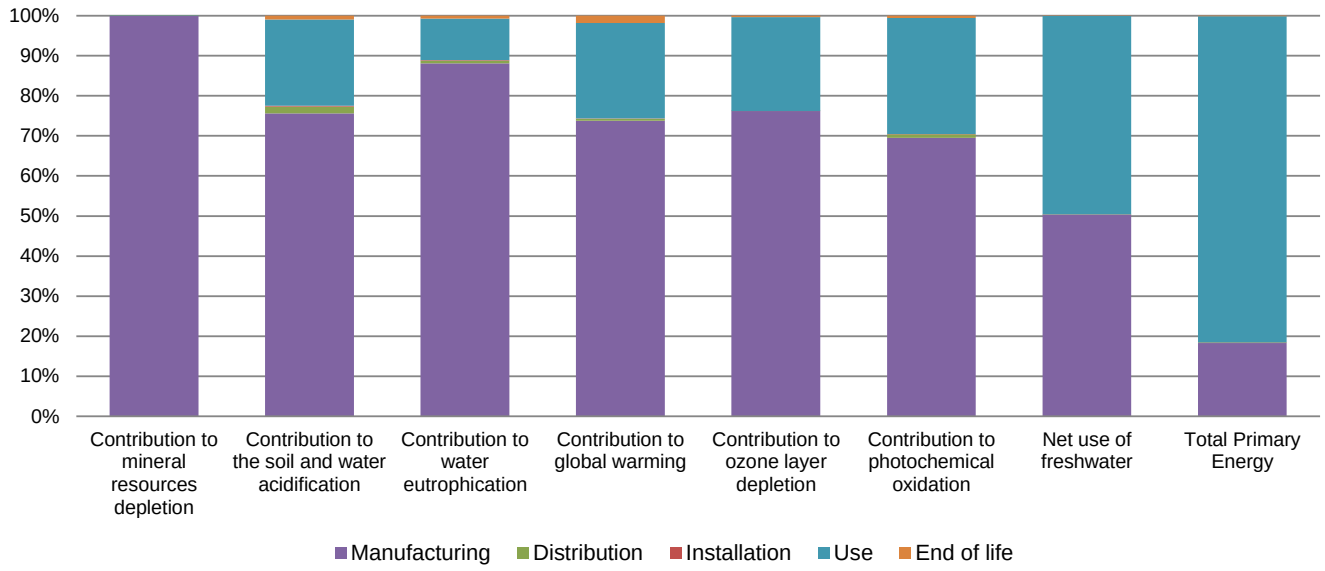
The FUGA WISER SOCKET OUTLET 1.5M WHITE presents the following relevent environmental aspects	
Manufacturing	Manufactured at a Schneider Electric production site ISO14001 certified
Distribution	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 41.1 g, consisting of Cardboard (66%), Paper (33%) PE film (1%) Product distribution optimised by setting up local distribution centres
Installation	This product does not require special installation operation. The disposal of the packaging materials are accounted during the installation phase (including transport to disposal).
Use	The product does not require special maintenance operations.
End of life	End of life optimized to decrease the amount of waste and allow recovery of the product components and materials This product contains Electronic parts (PCBA)(28.75g) 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 http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page Recyclability potential: **19%** 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

Reference life time	10 years
Product category	Other equipments - Active product
Installation elements	End of Life of the Packaging materials for installation
Use scenario	This product is in active mode 50% of the time with apower use of 0.225W and in stand by mode 50% o the time with apower use of 0.1W for 20 years
Geographical representativeness	Sweden
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.

Energy model used	**Manufacturing**	**Installation**	**Use**	**End of life**
	Manufacturing Plant location: RIGA, Latvia	Electricity mix; AC; consumption mix, at consumer; 230V; SE	Electricity mix; AC; consumption mix, at consumer; 230V; SE	Electricity mix; AC; consumption mix, at consumer; 230V; SE

Compulsory indicators	**FUGA WISER SOCKET OUTLET 1.5M WHITE - 545D6115**						
Impact indicators	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	1.64E-03	1.64E-03	0*	0*	3.14E-07	0*
Contribution to the soil and water acidification	kg SO_2 eq	3.97E-03	3.00E-03	6.77E-05	9.35E-06	8.56E-04	3.65E-05
Contribution to water eutrophication	kg PO_4^{3-} eq	2.34E-03	2.06E-03	1.56E-05	2.40E-06	2.43E-04	1.74E-05
Contribution to global warming	kg CO_2 eq	2.93E+00	2.16E+00	1.48E-02	2.25E-03	6.99E-01	5.32E-02
Contribution to ozone layer depletion	kg CFC11 eq	5.30E-07	4.04E-07	0*	0*	1.24E-07	1.84E-09
Contribution to photochemical oxidation	kg C_2H_4 eq	5.57E-04	3.87E-04	4.83E-06	6.99E-07	1.61E-04	3.09E-06
Resources use	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	4.07E-02	2.05E-02	0*	0*	2.02E-02	2.76E-05
Total Primary Energy	MJ	1.57E+02	2.87E+01	2.10E-01	2.93E-02	1.28E+02	1.57E-01



Optional indicators	FUGA WISER SOCKET OUTLET 1.5M WHITE - 545D6115						
Impact indicators	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	2.79E+01	2.18E+01	2.08E-01	2.90E-02	5.76E+00	1.28E-01
Contribution to air pollution	m³	3.59E+02	2.70E+02	6.31E-01	9.26E-02	8.71E+01	1.14E+00
Contribution to water pollution	m³	2.83E+02	2.28E+02	2.44E+00	3.39E-01	4.98E+01	2.35E+00
Resources use	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	1.35E-03	1.35E-03	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	1.38E+00	1.38E+00	2.80E-04	0*	0*	1.49E-04
Total use of non-renewable primary energy resources	MJ	1.55E+02	2.73E+01	2.10E-01	2.92E-02	1.28E+02	1.57E-01
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	6.13E-01	6.12E-01	2.80E-04	0*	0*	1.49E-04
Use of renewable primary energy resources used as raw material	MJ	7.68E-01	7.68E-01	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.54E+02	2.60E+01	2.10E-01	2.92E-02	1.28E+02	1.57E-01
Use of non renewable primary energy resources used as raw material	MJ	1.34E+00	1.34E+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	4.86E+00	3.13E+00	0*	0*	1.56E+00	1.70E-01
Non hazardous waste disposed	kg	8.73E-01	8.35E-01	5.27E-04	6.61E-04	3.61E-02	4.28E-04
Radioactive waste disposed	kg	1.45E-03	3.64E-04	3.75E-07	0*	1.09E-03	1.01E-06
Other environmental information	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	6.03E-02	5.26E-03	0*	4.06E-02	0*	1.44E-02
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	1.42E-02	0*	0*	0*	0*	1.42E-02
Exported Energy	MJ	1.29E-04	1.21E-05	0*	1.16E-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 v5.9.1, database version 2016-11 in compliance with ISO14044.

The manufacturing phase is the life cycle phase which has the greatest impact on the majority of environmental indicators (based on compulsory indicators).Manufacturing phase & Use phase are impacting equally on Indicator Net use of freshwater (NUFW).

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	ENVPEP2104005_V1	*Drafting rules*	PCR-ed3-EN-2015 04 02
Date of issue	05/2021	*Supplemented by*	PSR-0005-ed2-EN-2016 03 29
Validity period	5 years	*Information and reference documents*	www.pep-ecopassport.org

Independent verification of the declaration and data

Internal X External

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 - Self-declared environmental claims (Type II environmental labelling) »

Schneider Electric Industries SAS

Country Customer Care Center
http://www.schneider-electric.com/contact

35, rue Joseph Monier

CS 30323

F- 92506 Rueil Malmaison Cedex

RCS Nanterre 954 503 439
Capital social 896 313 776 €

www.schneider-electric.com

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