Product Environmental Profile

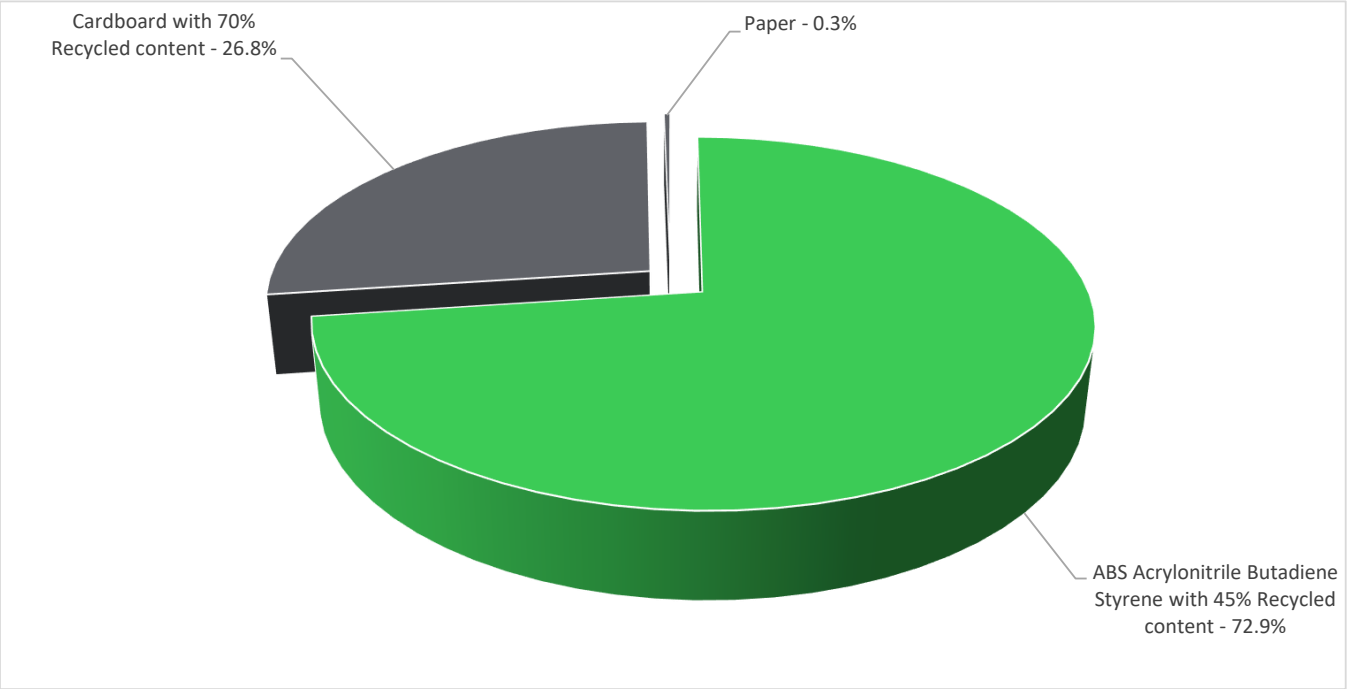
ODACE SUSTAINABLE OUTER PLATE

General information

Representative product	ODACE SUSTAINABLE 1G OUTER PLATE STYL - S510702
Description of the product	The main function of the ODACE SUSTAINABLE 1G OUTER PLATE STYL product is to contribute to give solutions for infrastructures that gives access to Electricity & VDI services with safety and to customize the product perfectly to the interior design adapted to each ambient in medium segment residential buildings.
Functional unit	Protect persons during 20 years against direct contact with live parts and devices having the following dimensions 85 x 85 x 10 mm, while protecting against the penetration of solid objects and liquids (IP20 & IP44) in accordance with the standard IEC 60529.

Constituent materials

Reference product mass	**18 g**	including the product, its packaging and additional elements and accessories



	Plastics	72.9%
	Metals	0.0%
	Others	27.1%

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

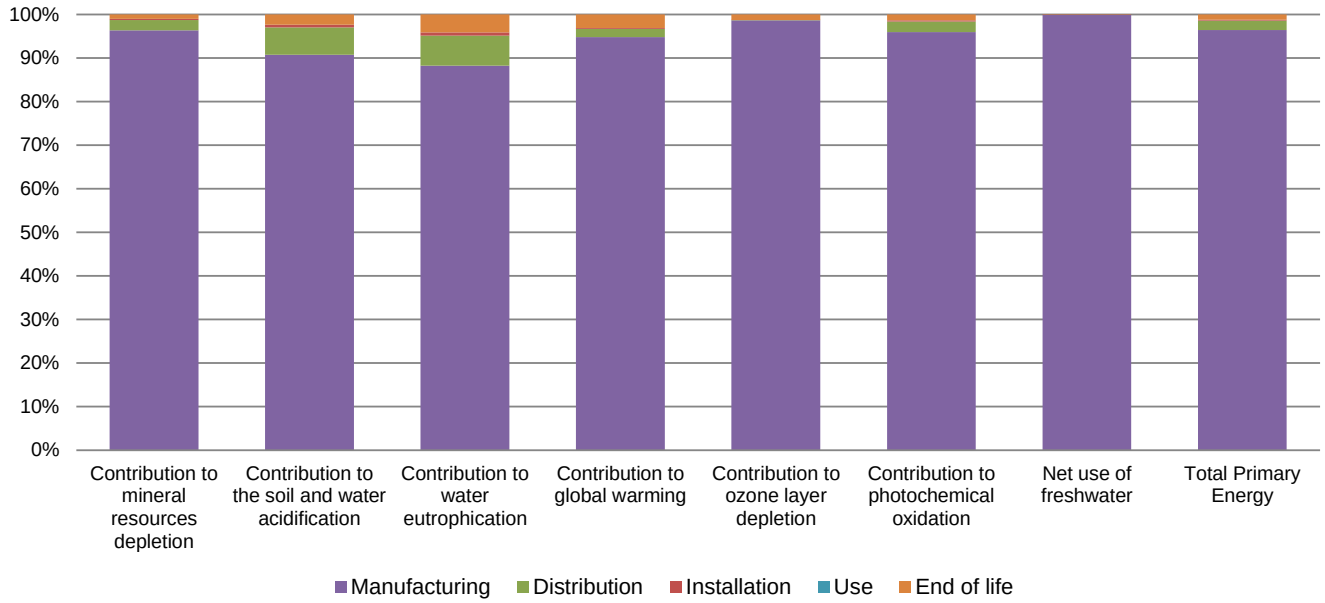
The ODACE SUSTAINABLE OUTER PLATE presents the following relevent environmental aspects	
Design	ODACE cable outlets are made of at least 45% of plastics with recycled content.
Manufacturing	Manufactured at a Schneider Electric production site ISO14001 certified
Distribution	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 4.8 g, consisting of Cardboard (98.7%) & Paper (1.3%) Packaging recycled materials is 65% of total packaging mass. Product distribution optimised by setting up local distribution centres
Installation	The product does not require special installation procedure and requires little to no energy to install. 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 No special end-of-life treatment required. According to countries' practices this product can enter the usual end-of-life treatment process. Recyclability potential: **87%** Based on Reeecyclab tool of ecosystem (for ABS Acrylonitrile Butadiene) and "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	20 years			
Product category	Unequipped enclosures and cabinets			
Installation elements	No special components needed. Only the end of life of the packaging materials are used for the analysis.			
Use scenario	Non applicable for unequipped enclosures and cabinets			
Geographical representativeness	France			
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: Puente la Reina, Spain	The product doesn't require electricity	The product doesn't require electricity	Electricity grid mix; AC; consumption mix, at consumer; 230V; FR

Compulsory indicators	ODACE SUSTAINABLE OUTER PLATE - S510702						
Impact indicators	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	3.91E-09	3.77E-09	9.29E-11	9.60E-12	0*	3.91E-11
Contribution to the soil and water acidification	kg SO_2 eq	1.70E-04	1.55E-04	1.06E-05	1.07E-06	0*	4.02E-06
Contribution to water eutrophication	kg PO_4^{3-} eq	3.52E-05	3.11E-05	2.44E-06	2.60E-07	0*	1.45E-06
Contribution to global warming	kg CO_2 eq	1.20E-01	1.14E-01	2.32E-03	2.57E-04	0*	3.70E-03
Contribution to ozone layer depletion	kg CFC11 eq	6.19E-09	6.11E-09	4.70E-12	0*	0*	7.75E-11
Contribution to photochemical oxidation	kg C_2H_4 eq	3.07E-05	2.94E-05	7.57E-07	8.01E-08	0*	4.05E-07

Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	4.00E-02	4.00E-02	0*	0*	0*	0*
Total Primary Energy	MJ	1.55E+00	1.49E+00	3.28E-02	3.36E-03	0*	1.87E-02



Optional indicators	ODACE SUSTAINABLE OUTER PLATE - S510702						
Impact indicators	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	1.13E+00	1.08E+00	3.26E-02	3.33E-03	0*	1.49E-02
Contribution to air pollution	m³	1.62E+01	1.60E+01	9.88E-02	1.03E-02	0*	1.40E-01
Contribution to water pollution	m³	5.68E+00	5.05E+00	3.82E-01	3.90E-02	0*	2.05E-01
Resources use	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	1.07E-02	1.07E-02	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	4.49E-02	4.48E-02	4.38E-05	5.21E-06	0*	2.08E-05
Total use of non-renewable primary energy resources	MJ	1.50E+00	1.45E+00	3.28E-02	3.35E-03	0*	1.86E-02
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	2.99E-02	2.98E-02	4.38E-05	5.21E-06	0*	2.08E-05
Use of renewable primary energy resources used as raw material	MJ	1.50E-02	1.50E-02	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.20E+00	1.15E+00	3.28E-02	3.35E-03	0*	1.86E-02
Use of non renewable primary energy resources used as raw material	MJ	3.01E-01	3.01E-01	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	1.99E-02	5.46E-03	0*	0*	0*	1.45E-02
Non hazardous waste disposed	kg	1.01E-01	1.01E-01	8.25E-05	3.49E-05	0*	5.78E-05
Radioactive waste disposed	kg	4.23E-05	4.22E-05	5.88E-08	6.86E-09	0*	8.79E-08
Other environmental information	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	1.76E-02	1.75E-03	0*	4.73E-03	0*	1.11E-02
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	8.30E-04	0*	0*	0*	0*	8.30E-04
Exported Energy	MJ	1.50E-05	1.41E-06	0*	1.36E-05	0*	0*

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

Life cycle assessment performed with EIME version 5.9.3, database version 2020-12 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).

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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Date of issue	04/2022	*Information and reference documents*	www.pep-ecopassport.org
		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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