

Product Environmental Profile

OVALIS CABLE OUTLET IP44





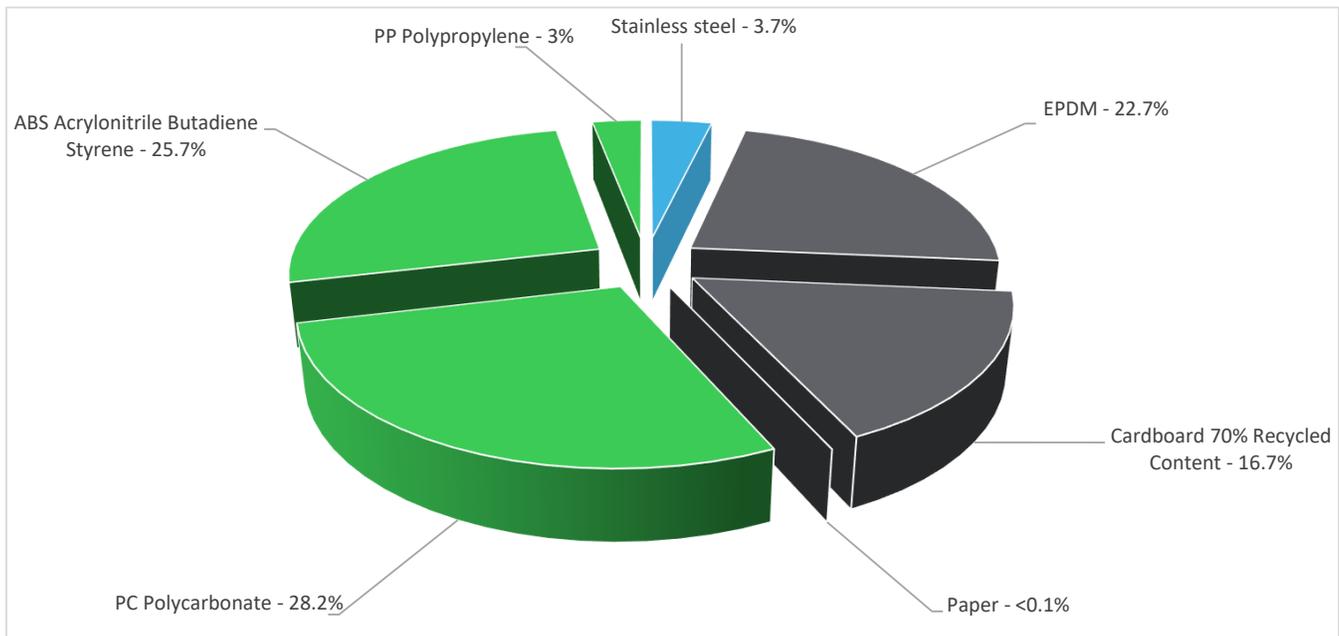
General information

Representative product	OVALIS CABLE OUTLET IP44 - S320644
Description of the product	The main purpose of the OVALIS Cable outlet 16-20A IP44 is to well maintain an electrical cable which comes out from the wall. A typical use is to connect electrical heating system with electrical block junction inside the flush mounting box associated with it.
Description of the range	The indicators values of this OVALIS cable outlet IP44 can be extrapolated for other OVALIS cable outlets : with or without seal, for all finishings. The environmental impacts of this referenced product are representative of the impacts of the other products of the range which are developed with a similar technology.
Functional unit	To protect persons during 20 years against direct contact with live parts and to allow to connect an appliance electrical cable to the electrical network 250V AC, in a recessed enclosure, with the following dimensions 87mm x 87mm x 30mm while protecting against mechanical impacts (IK04) in accordance with the standard IEC 62262 and the penetration of solid objects and liquids (IP2xC) in accordance with the standard IEC 60529 and in accordance with the standard UTE C 61-392 and EN 60670-1.



Constituent materials

Reference product mass 53 g including the product, its packaging and additional elements and accessories



	Plastics	56.9%
	Metals	3.7%
	Others	39.4%



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

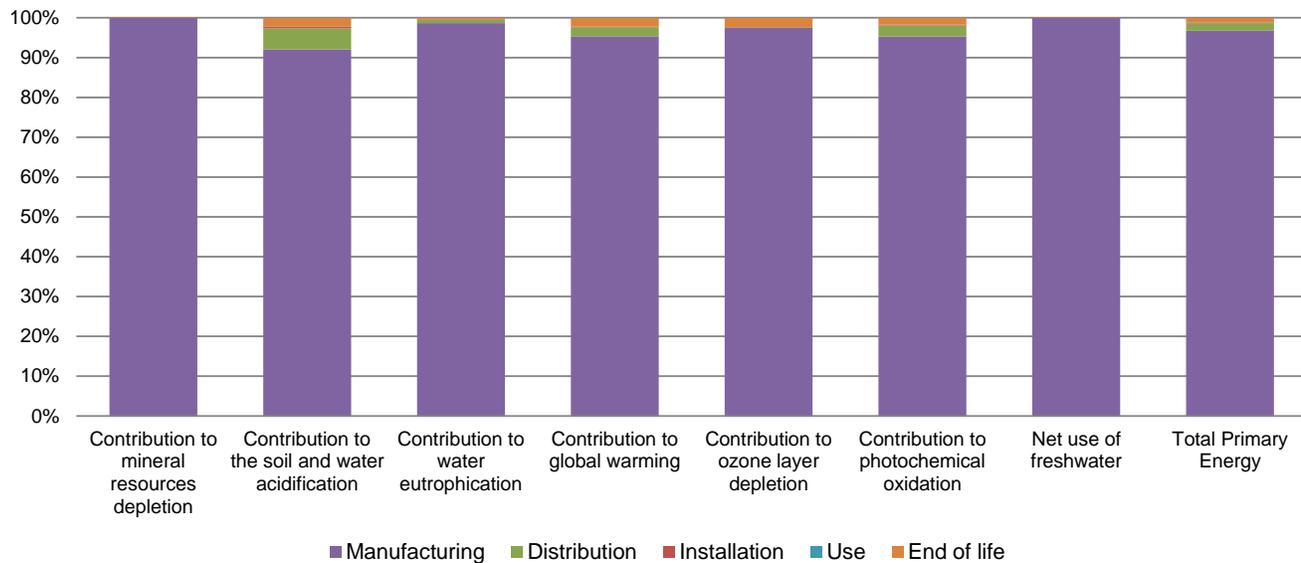
The OVALIS CABLE OUTLET IP44 presents the following relevant environmental aspects

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 10.3 g, consisting of Cardboard (85.1%), Paper (0.3%), PP Film (14.6%) Packaging recycled materials is 55% 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: 28% 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	20 years			
Product category	Unequipped enclosures and cabinets			
Installation elements	No special installation components need during installation phase.			
Use scenario	Not 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: Puente la Reina, Spain	Electricity grid mix; AC; consumption mix, at consumer; 230V; FR	No energy consumption.	Electricity grid mix; AC; consumption mix, at consumer; 230V; FR

Compulsory indicators		OVALIS CABLE OUTLET IP44 - S320644					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	1.53E-06	1.53E-06	2.71E-10	0*	0*	0*
Contribution to the soil and water acidification	kg SO ₂ eq	5.81E-04	5.35E-04	3.10E-05	2.56E-06	0*	1.29E-05
Contribution to water eutrophication	kg PO ₄ ³⁻ eq	8.51E-04	8.39E-04	7.13E-06	1.06E-06	0*	3.57E-06
Contribution to global warming	kg CO ₂ eq	3.03E-01	2.89E-01	6.78E-03	6.25E-04	0*	6.66E-03
Contribution to ozone layer depletion	kg CFC11 eq	1.31E-08	1.28E-08	1.37E-11	4.33E-12	0*	3.08E-10
Contribution to photochemical oxidation	kg C ₂ H ₄ eq	7.85E-05	7.47E-05	2.21E-06	1.93E-07	0*	1.34E-06
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	1.39E-01	1.39E-01	0*	0*	0*	0*
Total Primary Energy	MJ	5.07E+00	4.91E+00	9.59E-02	7.90E-03	0*	6.24E-02



Optional indicators		OVALIS CABLE OUTLET IP44 - S320644					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	4.30E+00	4.15E+00	9.53E-02	7.71E-03	0*	5.02E-02
Contribution to air pollution	m³	1.40E+01	1.32E+01	2.88E-01	3.50E-02	0*	4.52E-01
Contribution to water pollution	m³	6.01E+01	5.83E+01	1.12E+00	9.00E-02	0*	5.42E-01
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	8.21E-03	8.21E-03	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	1.49E-01	1.49E-01	1.28E-04	4.52E-05	0*	6.88E-05
Total use of non-renewable primary energy resources	MJ	4.92E+00	4.76E+00	9.58E-02	7.86E-03	0*	6.23E-02
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	1.23E-01	1.23E-01	1.28E-04	4.52E-05	0*	6.88E-05
Use of renewable primary energy resources used as raw material	MJ	2.65E-02	2.65E-02	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	3.11E+00	2.95E+00	9.58E-02	7.86E-03	0*	6.23E-02
Use of non renewable primary energy resources used as raw material	MJ	1.81E+00	1.81E+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	1.85E-01	1.12E-01	0*	0*	0*	7.28E-02
Non hazardous waste disposed	kg	3.09E-01	3.08E-01	2.41E-04	1.26E-03	0*	1.90E-04
Radioactive waste disposed	kg	1.50E-04	1.49E-04	1.72E-07	5.41E-08	0*	3.06E-07
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	2.50E-02	3.94E-03	0*	9.16E-03	0*	1.19E-02
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	8.77E-04	0*	0*	0*	0*	8.77E-04
Exported Energy	MJ	2.77E-05	2.61E-06	0*	2.51E-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).

According to this environmental analysis, proportionality rules may be used to evaluate the impacts of other products of this range, ratios to apply can be provided upon request.

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



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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