

Product Environmental Profile

Asfora - single socket outlet with side earth - 16A white

Representative of all variants of Asfora & Miluz socket outlets





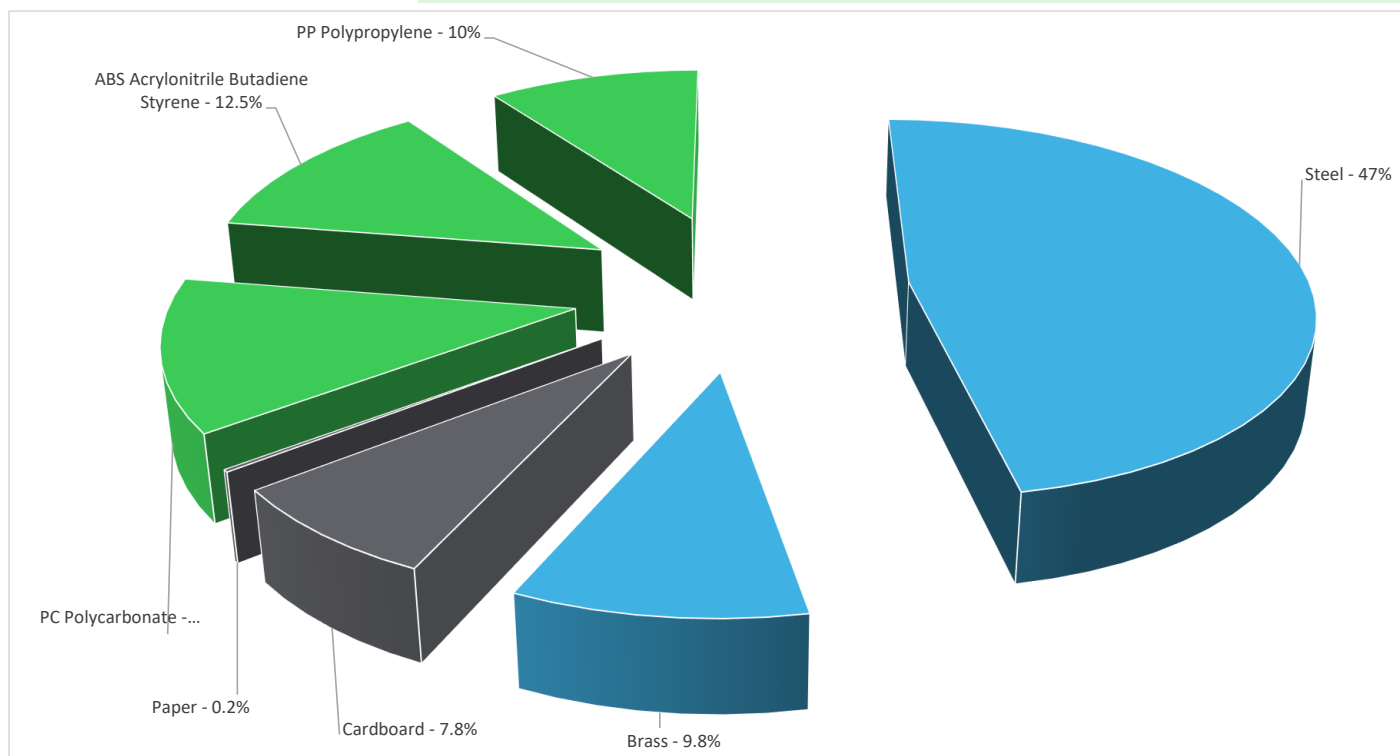
General information

Reference product	Asfora - single socket outlet with side earth - 16A white - EPH2900121
Description of the product	The Asfora socket-outlet EPH2900121 in color white is a complete product with 1 outlet. The outlet pole configuration of this socket-outlet is 2P + E with side earth with a rated current of 16A. The device's fixing mode is screws or claws. 83 mm, 83 mm and 42 mm are the width, height and depth respectively, and its projecting depth is 10 mm. It reaches IP20 degree of protection too.
Description of the range	The environmental impacts of this reference product are representative of the impacts of the other products of the range which are developed with a similar technology. The products of the range are: Representative of all variants of Asfora & Miluz socket outlets
Functional unit	Connect/disconnect the plug of a load consuming 16A (In) maximum under a voltage of 220V (U) while protecting the user from direct contact with live parts, and, if applicable, the specific specifications, in the Household/Commercial areas, and for the reference service life of the product of 20 years
Specifications are:	I = 16 A U = 220 V IP20 Low voltage (AC)



Constituent materials

Reference product mass 87 g including the product, its packaging, additional elements and accessories



Plastics	35.2%
Metals	56.8%
Others	8.0%



Substance assessment

Details of ROHS and REACH substances information are available on the Schneider-Electric website

<https://www.se.com>



Additional environmental information

End Of Life	Recyclability potential:	62%	The recyclability rate was calculated from the recycling rates of each material making up the product based on REEECYLAB tool developed by Ecosystem, for components/materials not covered by the tool, data from the EIME database and the related PSR was taken. If no data was found a conservative assumption was used (0% recyclability).
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Environmental impacts

Reference service life time	20 years			
Product category	Power socket - Household / Commercial			
Life cycle of the product	The manufacturing, the distribution, the installation, the use and the end of life were taken into consideration in this study			
Electricity consumption	The electricity consumed during manufacturing processes is considered for each part of the product individually, the final assembly generates a negligible consumption			
Installation elements	The product does not require any installation operations			
Use scenario	Load rate = 10% of I (16A) Use rate = 30% RLT of 20 years			
Time representativeness	The collected data are representative of the year 2025			
Technological representativeness	The Modules of Technologies such as material production, manufacturing processes and transport technology used in the PEP analysis (LCA EIME in the case) are Similar and representative of the actual type of technologies used to make the product.			
Geographical representativeness	Final assembly site	Use phase		End-of-life
	Turkey	Europe		Europe
Energy model used	[A1 - A3]	[A5]	[B6]	[C1 - C4]
	Electricity Mix; Low voltage; 2020; Turkey, TR	No energy used	Electricity Mix; Low voltage; 2020; Europe, EU-27	Global, European and French datasets are used.

Detailed results of the optional indicators mentioned in PCRed4 are available in the LCA report and on demand in a digital format - Country Customer Care Center - <http://www.se.com/contact>

Mandatory Indicators		Asfora - single socket outlet with side earth - 16A white - EPH2900121						
Impact indicators	Unit	Total (without Module D)	[A1 - A3] - Manufacturing	[A4] - Distribution	[A5] - Installation	[B1 - B7] - Use	[C1 - C4] - End of life	[D] - Benefits and loads
Contribution to climate change	kg CO2 eq	9.58E-01	4.51E-01	1.54E-02	9.97E-03	2.61E-01	2.21E-01	-1.93E-01
Contribution to climate change-fossil	kg CO2 eq	9.59E-01	4.58E-01	1.54E-02	9.62E-03	2.55E-01	2.21E-01	-2.01E-01
Contribution to climate change-biogenic	kg CO2 eq	-1.08E-03	-7.20E-03	0*	0*	0*	0*	7.67E-03
Contribution to climate change-land use and land use change	kg CO2 eq	1.70E-05	1.70E-05	0*	0*	0*	0*	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	1.55E-08	1.41E-08	2.36E-11	1.03E-10	1.12E-09	9.11E-11	-3.52E-08
Contribution to acidification	mol H+ eq	4.96E-03	2.91E-03	1.00E-04	2.46E-05	1.37E-03	5.62E-04	-1.16E-03
Contribution to eutrophication, freshwater	kg P eq	9.15E-06	8.20E-06	5.77E-09	1.85E-07	6.25E-07	1.34E-07	-5.01E-07
Contribution to eutrophication marine	kg N eq	8.06E-04	4.59E-04	4.68E-05	1.00E-05	1.60E-04	1.30E-04	-1.23E-04
Contribution to eutrophication, terrestrial	mol N eq	9.51E-03	4.91E-03	5.15E-04	7.27E-05	2.56E-03	1.44E-03	-1.38E-03
Contribution to photochemical ozone formation - human health	kg COVNM eq	2.67E-03	1.55E-03	1.32E-04	1.66E-05	5.07E-04	4.60E-04	-4.83E-04
Contribution to resource use, minerals and metals	kg Sb eq	2.59E-05	2.58E-05	0*	0*	8.46E-08	0*	-5.51E-05
Contribution to resource use, fossils	MJ	3.41E+01	1.71E+01	2.15E-01	8.34E-02	6.26E+00	1.04E+01	-4.29E+00
Contribution to water use	m3 eq	2.80E-01	1.99E-01	5.84E-05	7.89E-04	1.98E-02	5.98E-02	-8.65E-02

Inventory flows Indicators		Asfora - single socket outlet with side earth - 16A white - EPH2900121							
Inventory flows	Unit	Total (without Module D)	[A1 - A3] - Manufacturing	[A4] - Distribution	[A5] - Installation	[B1 - B7] - Use	[C1 - C4] - End of life	[D] - Benefits and loads	
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	1.72E+00	2.46E-01	2.86E-04	1.12E-02	1.47E+00	3.84E-04	-8.69E-03	
Contribution to use of renewable primary energy resources used as raw material	MJ	2.15E-01	2.15E-01	0*	0*	0*	0*	-1.04E-01	
Contribution to total use of renewable primary energy resources	MJ	1.94E+00	4.62E-01	2.86E-04	1.12E-02	1.47E+00	3.84E-04	-1.12E-01	
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	3.28E+01	1.58E+01	2.15E-01	8.34E-02	6.26E+00	1.04E+01	-4.27E+00	
Contribution to use of non renewable primary energy resources used as raw material	MJ	1.29E+00	1.29E+00	0*	0*	0*	0*	-2.94E-02	
Contribution to total use of non-renewable primary energy resources	MJ	3.41E+01	1.71E+01	2.15E-01	8.34E-02	6.26E+00	1.04E+01	-4.29E+00	
Contribution to use of secondary material	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00	
Contribution to use of renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*	0.00E+00	
Contribution to use of non renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*	0.00E+00	
Contribution to net use of freshwater	m³	6.51E-03	4.64E-03	1.36E-06	1.84E-05	4.63E-04	1.39E-03	-2.02E-03	
Contribution to hazardous waste disposed	kg	1.80E+00	1.79E+00	0*	1.92E-04	7.21E-03	0*	-4.31E+00	
Contribution to non hazardous waste disposed	kg	3.23E-01	2.46E-01	5.40E-04	4.41E-03	3.94E-02	3.31E-02	-1.45E-01	
Contribution to radioactive waste disposed	kg	1.41E-04	1.30E-04	3.85E-07	4.80E-07	9.27E-06	1.45E-06	-6.58E-05	
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00	
Contribution to materials for recycling	kg	5.60E-02	6.63E-03	0*	6.83E-04	0*	4.87E-02	0.00E+00	
Contribution to materials for energy recovery	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00	
Contribution to exported energy	MJ	8.51E-04	6.27E-05	0*	3.06E-04	0*	4.82E-04	0.00E+00	

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

Contribution to biogenic carbon content of the product	kg of C	0.00E+00
Contribution to biogenic carbon content of the associated packaging	kg of C	1.98E-03

* The calculation of the biogenic carbon is based on the Ademe for the Cardboard (28%), EN16485 for Wood (39,52%), and APESA/RECORD for Paper (37,8%)

Mandatory Indicators		Asfora - single socket outlet with side earth - 16A white - EPH2900121								
Impact indicators	Unit	[B1 - B7] - Use	[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]	
Contribution to climate change	kg CO2 eq	2.61E-01	0*	0*	0*	0*	0*	2.61E-01	0*	
Contribution to climate change-fossil	kg CO2 eq	2.55E-01	0*	0*	0*	0*	0*	2.55E-01	0*	
Contribution to climate change-biogenic	kg CO2 eq	0*	0*	0*	0*	0*	0*	0*	0*	
Contribution to climate change-land use and land use change	kg CO2 eq	0*	0*	0*	0*	0*	0*	0*	0*	
Contribution to ozone depletion	kg CFC-11 eq	1.12E-09	0*	0*	0*	0*	0*	1.12E-09	0*	
Contribution to acidification	mol H+ eq	1.37E-03	0*	0*	0*	0*	0*	1.37E-03	0*	
Contribution to eutrophication, freshwater	kg P eq	6.25E-07	0*	0*	0*	0*	0*	6.25E-07	0*	
Contribution to eutrophication marine	kg N eq	1.60E-04	0*	0*	0*	0*	0*	1.60E-04	0*	
Contribution to eutrophication, terrestrial	mol N eq	2.56E-03	0*	0*	0*	0*	0*	2.56E-03	0*	
Contribution to photochemical ozone formation - human health	kg COVNM eq	5.07E-04	0*	0*	0*	0*	0*	5.07E-04	0*	
Contribution to resource use, minerals and metals	kg Sb eq	8.46E-08	0*	0*	0*	0*	0*	8.46E-08	0*	
Contribution to resource use, fossils	MJ	6.26E+00	0*	0*	0*	0*	0*	6.26E+00	0*	
Contribution to water use	m3 eq	1.98E-02	0*	0*	0*	0*	0*	1.98E-02	0*	

Schneider Electric Industries SAS

Country Customer Care Center
<http://www.se.com/contact>

Head Office
35, rue Joseph Monier
CS 30323
F- 92500 Rueil Malmaison Cedex
RCS Nanterre 954 503 439
Capital social 928 298 512 €

www.se.com

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