

Product Environmental Profile

10A 250V 2&3 Pin Floor Socket with damper and basebox(ABE)





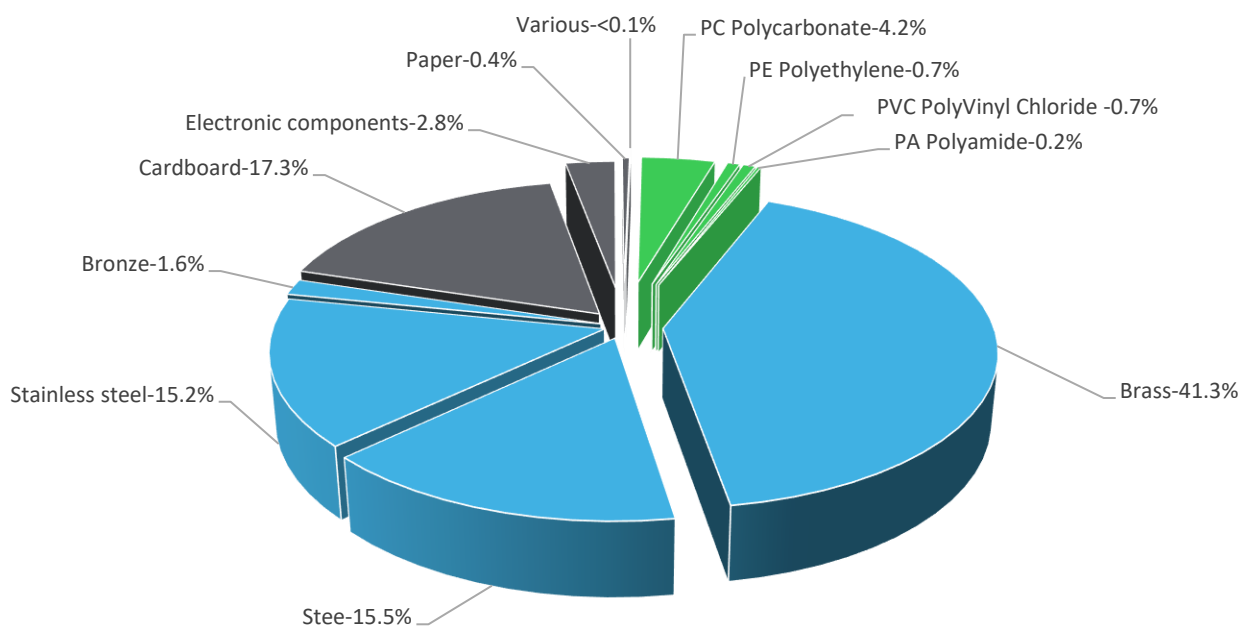
General information

Representative product	10A 250V 2&3 Pin Floor Socket with damper and basebox(ABE) - E229C10U_ABE
Description of the product	This is a floor socket which installed on the floor and to connect or disconnect electronic equipments from the circuit loop.
Functional unit	Connect/Disconnect during 20 years the plug of a load consuming 10A under a voltage of 250V while protecting the user from direct contact with live parts and with a protection class IP65 and IK08.Refer to IEC 60529 & IEC 62262



Constituent materials

Reference product mass	725.3 g including the product, its packaging and additional elements and accessories
------------------------	--



Plastics	5.8%
Metals	73.6%
Others	20.5%



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 10A 250V 2&3 Pin Floor Socket with damper and basebox(ABE) presents the following relevant environmental aspects

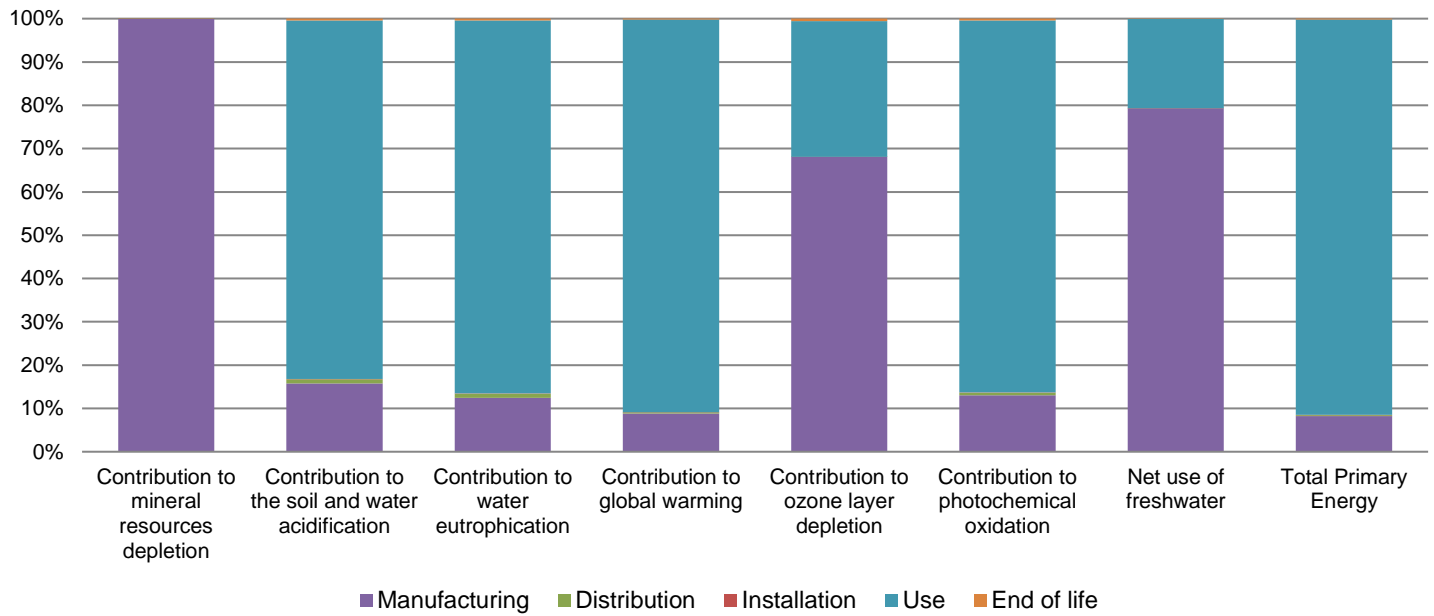
Manufacturing	Manufactured at a production site complying with the regulations
Distribution	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 135.3 g, consisting of cardboard (96%), PE (2%), Paper (2%)
Installation	Reference E229C10U_ABE does not require any installation operations
Use	The product does not require special maintenance operations.
End of life	<p>End of life optimized to decrease the amount of waste and allow recovery of the product components and materials</p> <p>No special end-of-life treatment required. According to countries' practices this product can enter the usual end-of-life treatment process.</p> <p>Recyclability potential: 73% 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

Reference life time	20 years			
Product category	Power socket			
Installation elements	No special installation components need during installation phase, but transport of packaging to disposal, and disposal of packaging accounted for during installation			
Use scenario	Load rate: 50 % of In Use rate: 50% of the RLT			
Geographical representativeness	China			
Technological representativeness	All the technologies pertaining to product manufacturing are represented in manufacturing phase properly.			
Energy model used	Manufacturing	Installation	Use	End of life
	Energy model used: China	Electricity mix; AC; consumption mix, at consumer; 220V; CN	Electricity mix; AC; consumption mix, at consumer; 220V; CN	Electricity mix; AC; consumption mix, at consumer; 220V; CN

Compulsory indicators		10A 250V 2&3 Pin Floor Socket with damper and basebox(ABE) - E229C10U_ABE					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	5.82E-04	5.82E-04	0*	0*	1.41E-07	0*
Contribution to the soil and water acidification	kg SO ₂ eq	4.20E-02	6.61E-03	4.27E-04	3.10E-05	3.48E-02	1.88E-04
Contribution to water eutrophication	kg PO ₄ ³⁻ eq	1.07E-02	1.33E-03	9.84E-05	8.41E-06	9.18E-03	4.77E-05
Contribution to global warming	kg CO ₂ eq	3.54E+01	3.13E+00	9.36E-02	7.46E-03	3.21E+01	8.24E-02
Contribution to ozone layer depletion	kg CFC11 eq	8.15E-07	5.55E-07	1.90E-10	0*	2.55E-07	4.67E-09
Contribution to photochemical oxidation	kg C ₂ H ₄ eq	4.78E-03	6.22E-04	3.05E-05	2.32E-06	4.11E-03	2.02E-05
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	1.74E-01	1.38E-01	0*	0*	3.58E-02	9.01E-05
Total Primary Energy	MJ	5.75E+02	4.74E+01	1.32E+00	9.69E-02	5.25E+02	9.74E-01



Optional indicators		10A 250V 2&3 Pin Floor Socket with damper and basebox(ABE) - E229C10U_ABE					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	5.16E+02	2.94E+01	1.31E+00	9.59E-02	4.85E+02	7.58E-01
Contribution to air pollution	m³	5.39E+03	2.05E+03	3.98E+00	0*	3.33E+03	6.76E+00
Contribution to water pollution	m³	2.05E+03	4.13E+02	1.54E+01	1.12E+00	1.60E+03	2.97E+01
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	3.58E-02	3.58E-02	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	2.91E+01	2.20E+00	0*	0*	2.69E+01	0*
Total use of non-renewable primary energy resources	MJ	5.46E+02	4.52E+01	1.32E+00	9.67E-02	4.98E+02	9.73E-01
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	2.65E+01	0*	0*	0*	2.69E+01	0*
Use of renewable primary energy resources used as raw material	MJ	2.62E+00	2.62E+00	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	5.44E+02	4.32E+01	1.32E+00	9.67E-02	4.98E+02	9.73E-01
Use of non renewable primary energy resources used as raw material	MJ	1.95E+00	1.95E+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	4.55E+01	4.37E+01	0*	0*	1.03E+00	8.01E-01
Non hazardous waste disposed	kg	1.04E+01	4.57E+00	3.32E-03	3.36E-03	5.82E+00	2.95E-03
Radioactive waste disposed	kg	8.66E-04	6.67E-04	2.37E-06	2.74E-07	1.92E-04	4.71E-06
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	6.49E-01	7.19E-02	0*	1.33E-01	0*	4.45E-01
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	2.05E-03	0*	0*	0*	0*	2.05E-03
Exported Energy	MJ	4.18E-04	3.93E-05	0*	3.79E-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 v5.7.0.1, 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). And Manufacturing phase also has great impact on Abiotic depletion and Net use of freshwater.

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	ENVPEP1808009_V1	Drafting rules	PCR-ed3-EN-2015 04 02
Date of issue	09/2020	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

Published by Schneider Electric

ENVPEP1808009_V1

© 2017 - Schneider Electric – All rights reserved

09/2020

