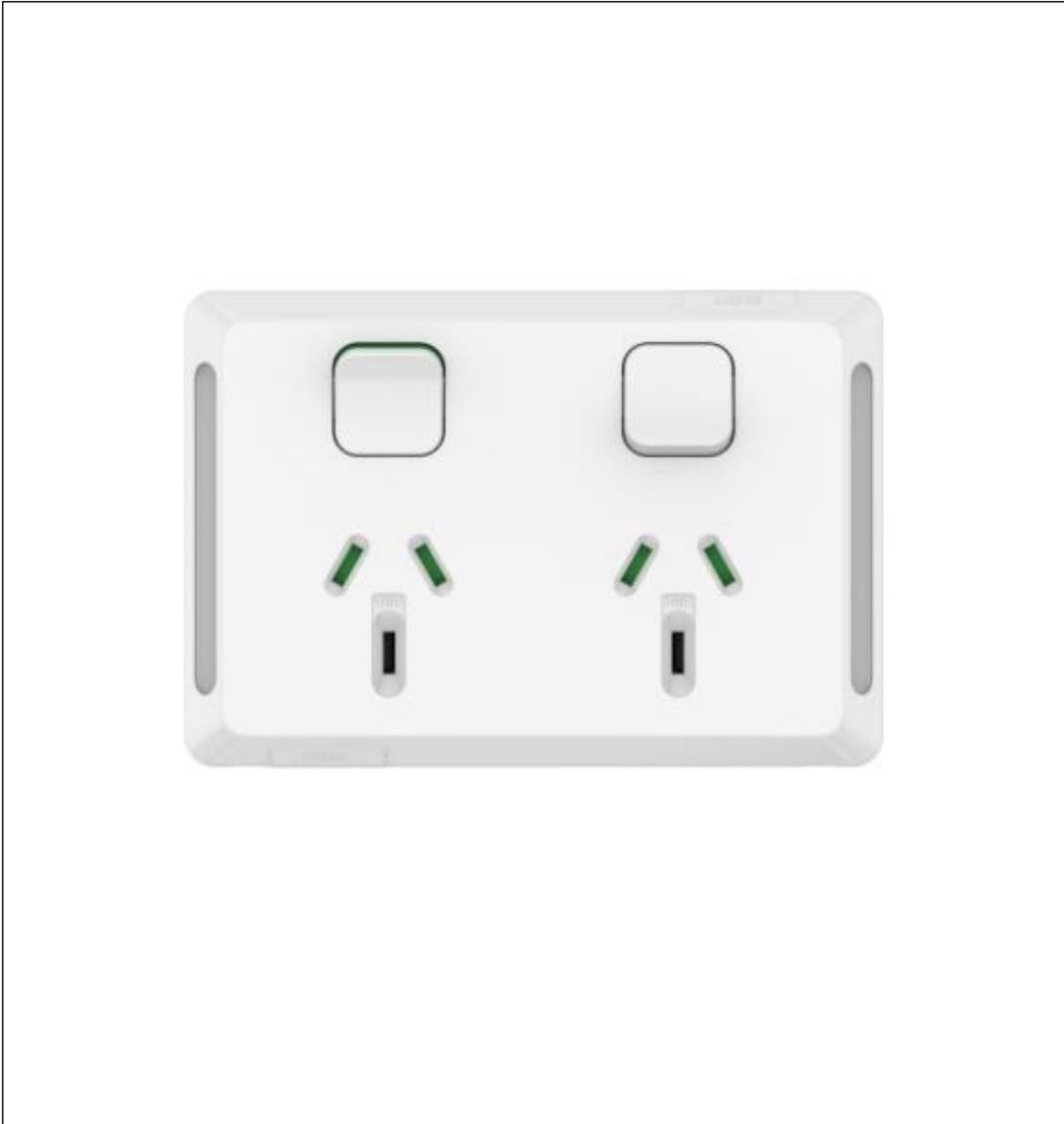


Product Environmental Profile

PRO SERIES TWIN POWER POINT

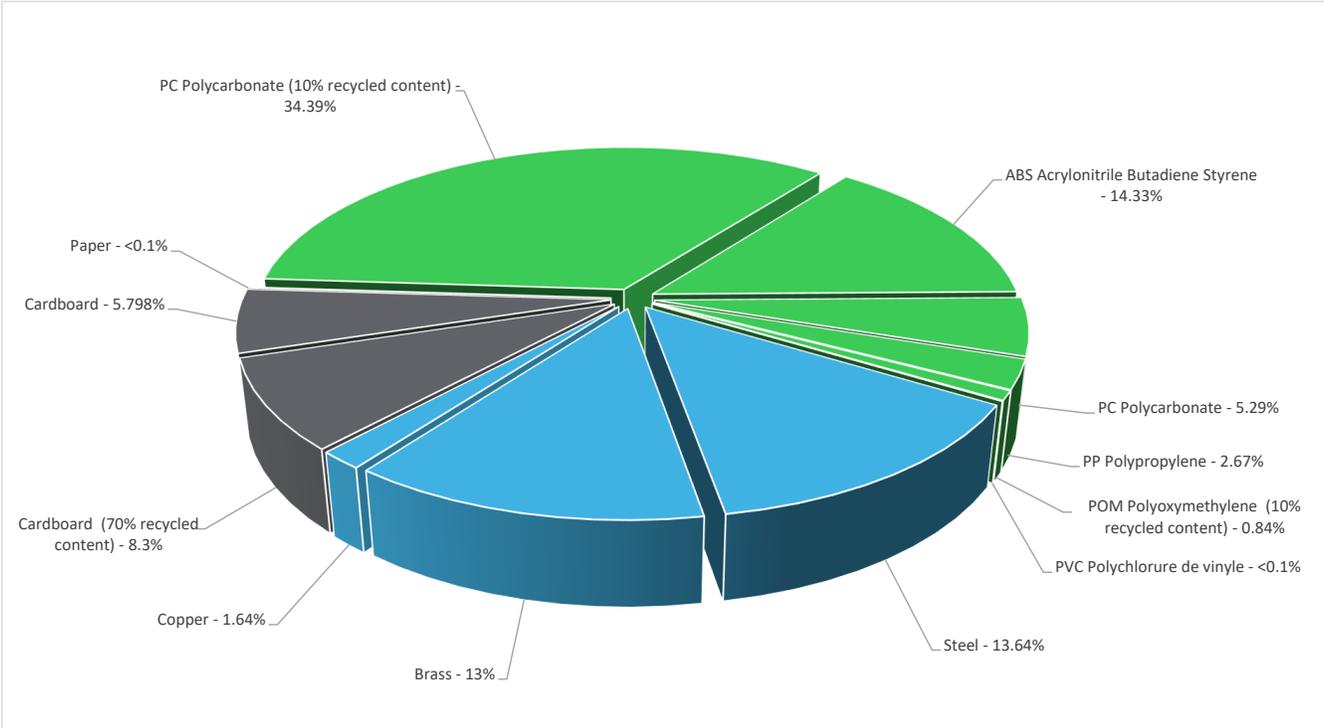


General information

Reference product	PRO SERIES TWIN POWER POINT - P3025-XW
Description of the product	The main purpose of the product is to give a solution for the control of Electricity and for the infrastructures that give access to Electricity till the plug.
Functional unit	Establish, support and interrupt the flow of current as well as Connect/disconnect the plug of a load consuming [In] 10A maximum under a voltage of [U] 250V AC while protecting the user from direct contact with live parts in the Household/Commercial areas, and for the reference service life of the product is 20 years with IK08 Degree of protection against external mechanical impacts in accordance with the standard IEC 62262.

Constituent materials

Reference product mass	117 g including the product, its packaging and additional elements and accessories
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Plastics	57.6%
Metals	28.3%
Others	14.1%

Substance assessment

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website <https://www.se.com/ww/en/work/support/green-premium/>

Additional environmental information

End Of Life	Recyclability potential:	33%	Recyclability rate has been calculated based on REEECYLAB tool developed by Ecosystem, for components/materials not covered by the tool, data from the "ECO'DEEE recyclability and recoverability calculation method" 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	Combination of functions			
Installation elements	The product does not require special installation procedure and requires little to no energy to install.			
Use scenario	Load rate: 10% of 10A (In) Use time rate: 30% of the time over 20 years (RLT)			
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.			
Geographical representativeness	Australia			
Energy model used	[A1 - A3]	[A5]	[B6]	[C1 - C4]
	Electricity Mix; Production mix; Low voltage; VN	Electricity Mix; Production mix; Low voltage; AUS	Electricity Mix; Production mix; Low voltage; AUS	Electricity Mix; Production mix; Low voltage; AUS

Mandatory Indicators			PRO SERIES TWIN POWER POINT - P3025-XW					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	Loads and Benefits
			[A1 - A3]	[A4]	[A5]	[B1 - B7]	[C1 - C4]	[D]
Contribution to climate change	kg CO2 eq	1.55E+00	6.20E-01	1.53E-02	3.23E-02	6.20E-01	2.57E-01	-1.74E-01
Contribution to climate change-fossil	kg CO2 eq	1.53E+00	6.10E-01	1.53E-02	3.09E-02	6.20E-01	2.57E-01	-1.72E-01
Contribution to climate change-biogenic	kg CO2 eq	1.22E-02	1.01E-02	0*	1.42E-03	3.02E-04	4.07E-04	-1.79E-03
Contribution to climate change-land use and land use change	kg CO2 eq	2.49E-08	0*	0*	1.81E-08	0*	6.79E-09	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	5.16E-08	4.52E-08	2.34E-11	2.22E-09	3.01E-09	1.11E-09	-3.57E-08
Contribution to acidification	mol H+ eq	9.98E-03	5.26E-03	9.84E-05	1.29E-04	4.07E-03	4.24E-04	-1.24E-03
Contribution to eutrophication, freshwater	kg (PO4) ³⁻ eq	1.66E-05	1.84E-06	5.73E-09	3.13E-07	4.39E-09	1.45E-05	-7.80E-07
Contribution to eutrophication marine	kg N eq	1.25E-03	6.35E-04	4.62E-05	3.44E-05	4.50E-04	8.05E-05	-1.15E-04
Contribution to eutrophication, terrestrial	mol N eq	1.37E-02	6.88E-03	5.07E-04	2.63E-04	5.11E-03	9.37E-04	-1.23E-03
Contribution to photochemical ozone formation - human health	kg COVNM eq	4.23E-03	2.23E-03	1.28E-04	7.07E-05	1.50E-03	2.97E-04	-4.53E-04
Contribution to resource use, minerals and metals	kg Sb eq	1.64E-04	1.64E-04	0*	0*	0*	4.11E-07	-3.34E-05
Contribution to resource use, fossils	MJ	2.88E+01	1.18E+01	2.13E-01	3.31E-01	9.58E+00	6.88E+00	-3.03E+00
Contribution to water use	m3 eq	2.66E-01	1.64E-01	5.80E-05	1.83E-02	2.46E-02	5.94E-02	-9.71E-02

Additional indicators for the French regulation are available as well

Inventory flows Indicators			PRO SERIES TWIN POWER POINT - P3025-XW					
Inventory flows	Unit	Total	Manufact.	Distribution	Installation	Use	End of Life	Loads and Benefits
			[A1 - A3]	[A4]	[A5]	[B1 - B7]	[C1 - C4]	[D]
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	9.71E-01	2.09E-01	2.84E-04	2.74E-02	7.24E-01	1.07E-02	8.06E-02
Contribution to use of renewable primary energy resources used as raw material	MJ	2.02E-01	2.02E-01	0*	0*	0*	0*	-1.84E-01
Contribution to total use of renewable primary energy resources	MJ	1.17E+00	4.11E-01	2.84E-04	2.74E-02	7.24E-01	1.07E-02	-1.03E-01
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	2.64E+01	9.38E+00	2.13E-01	3.31E-01	9.58E+00	6.88E+00	-2.88E+00

Contribution to use of non renewable primary energy resources used as raw material	MJ	2.46E+00	2.46E+00	0*	0*	0*	0*	-1.54E-01
Contribution to total use of non-renewable primary energy resources	MJ	2.88E+01	1.18E+01	2.13E-01	3.31E-01	9.58E+00	6.88E+00	-3.03E+00
Contribution to use of secondary material	kg	1.26E-02	1.26E-02	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	6.19E-03	3.81E-03	1.35E-06	4.25E-04	5.72E-04	1.38E-03	-2.26E-03
Contribution to hazardous waste disposed	kg	3.89E+00	3.75E+00	0*	0*	1.58E-02	1.20E-01	-2.60E+00
Contribution to non hazardous waste disposed	kg	1.09E+00	8.31E-01	5.36E-04	1.03E-01	9.97E-02	5.32E-02	-3.44E-01
Contribution to radioactive waste disposed	kg	3.65E-04	3.38E-04	3.82E-07	1.40E-05	9.82E-06	2.44E-06	-4.96E-05
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	5.45E-02	0*	0*	2.06E-02	0*	3.39E-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	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to biogenic carbon content of the product	kg de C	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to biogenic carbon content of the associated packaging	kg de C	0.00E+00	0*	0*	0*	0*	0*	0.00E+00

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

Life cycle assessment performed with EIME version 5.9.4, database version 2022-01 in compliance with ISO14044.

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 :	ENVPEP2309004_V1-EN	Drafting rules	PEP-PCR-ed4-2021 09 06
Validity period	5 years	Supplemented by	PSR-0005-ed3-EN-2023 06 06
Date of issue	09/2023	Information and reference documents	www.pep-ecopassport.org
Independent verification of the declaration and data, in compliance with ISO 14021 : 2016			
Internal	X	External	
The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain)			
PEP are compliant with XP C08-100-1 :2016 or EN 50693:2019			
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. Type II environmental declarations »			

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