Product Environmental Profile

Harmony XAP Empty Control Station





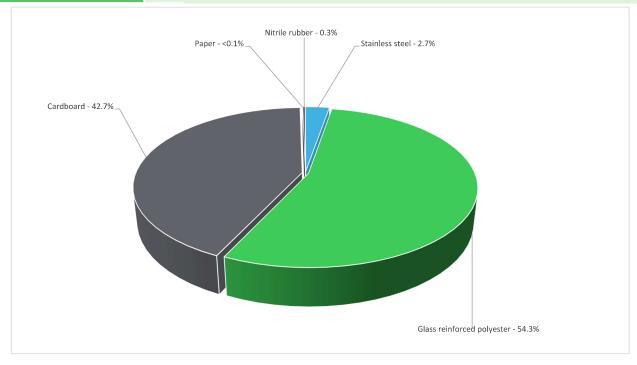
General information

Reference product	Harmony XAP Empty Control Station - XAPA2100
Description of the product	Control station enclosures are designed to ensure devices are securely located and protected in harsh environments, ideally suited for use in an industrial. This is an empty plastic control station without opening and without hinges. It is impact resistant, dust resistant, water resistant and vibration resistant. This insulated enclosure is highly resistant to acids, bases, sea water, mineral salts, all solvants, petrol, diesel, oils and greases. It is made of glass-reinforced polyester material.
Functional unit	Control station comprises a range of buttons, joysticks, and switches carefully assembled for starting and stopping the supply of electric power within a given circuit with life span of 20 years and it has dimensions of 85mm x 226mm x 87mm

Constituent materials

Reference product mass

1187.2 g including the product, its packaging and additional elements and accessories



Plastics 54.6%
Others 42.7%
Metals 2.7%

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

Recyclability potential:

8. Recyclability potential:

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8. Recyclability rate has been calculated based on REECCY'LAB 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).

P Environmental impacts

Reference service life time	20 years					
Product category	Unequipped enclosures and cabinets					
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	Not applicable for unequipped boxes or cabinets					
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	Global					
	[A1 - A3]	[A5]	[B6]	[C1 - C4]		
Energy model used	Electricity Mix; Production mix; Low voltage; FR	Electricity Mix; Production mix; Low voltage; FR	Electricity Mix; Production mix; Low voltage; FR	Electricity Mix; Production mix; Low voltage; FR		

Detailed results, including all the optional indicators mentioned in PCRed4, and the split of the Use Phase (B1 to B7), are available in the LCA report and on demand in a digital format - Country Customer Care Center - http://www.schneider-electric.com/contact

Mandatory Indicators			Н	armony XAP Em	pty Control Stati	on - XAPA2100		
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	6.77E+00	5.53E+00	1.55E-01	9.28E-01	0*	1.49E-01	-1.32E+00
Contribution to climate change-fossil	kg CO2 eq	6.68E+00	5.49E+00	1.55E-01	8.87E-01	0*	1.49E-01	-1.28E+00
Contribution to climate change-biogenic	kg CO2 eq	8.42E-02	4.29E-02	0*	4.13E-02	0*	0*	-3.85E-02
Contribution to climate change-land use and land use char	ge kg CO2 eq	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	4.13E-07	3.46E-07	2.38E-10	6.15E-08	0*	4.96E-09	-7.30E-08
Contribution to acidification	mol H+ eq	4.41E-02	3.88E-02	9.99E-04	3.69E-03	0*	6.78E-04	-6.33E-03
Contribution to eutrophication, freshwater	kg (PO4)³¯eq	2.03E-05	1.35E-05	5.82E-08	6.71E-06	0*	2.94E-08	-1.16E-05
Contribution to eutrophication marine	kg N eq	1.01E-02	8.51E-03	4.69E-04	9.76E-04	0*	1.81E-04	-1.47E-03
Contribution to eutrophication, terrestrial	mol N eq	1.04E-01	8.90E-02	5.14E-03	7.37E-03	0*	1.98E-03	-1.26E-02
Contribution to photochemical ozone formation - human health	kg COVNM eq	2.95E-02	2.56E-02	1.30E-03	1.97E-03	0*	5.98E-04	-3.45E-03
Contribution to resource use, minerals and metals	kg Sb eq	1.33E-06	1.29E-06	6.10E-09	3.10E-08	0*	4.83E-09	-3.82E-05
Contribution to resource use, fossils	MJ	7.84E+01	5.91E+01	2.16E+00	9.66E+00	0*	7.49E+00	-1.33E+01
Contribution to water use	m3 eq	1.86E+00	1.43E+00	5.89E-04	3.96E-01	0*	3.70E-02	-7.57E-01

Additional indicators for the French regulation are available as well

Inventory flows Indicators			Harmony XAP Empty Control Station - XAPA2100					
Inventory flows	Unit	Total	Manufact. [A1 - A3]	Distribution [A4]	Installation [A5]	Use [B1 - B7]	End of Life [C1 - C4]	Loads and Benefits [D]
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	-5.31E+00	-6.00E+00	0*	0*	0*	0*	5.48E+00
Contribution to use of renewable primary energy resources used as raw material	MJ	1.01E+01	1.01E+01	0*	0*	0*	0*	-9.18E+00
Contribution to total use of renewable primary energy resources	MJ	4.83E+00	4.13E+00	2.89E-03	6.93E-01	0*	1.10E-03	-3.71E+00
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	7.46E+01	5.53E+01	2.16E+00	9.66E+00	0*	7.49E+00	-1.33E+01
Contribution to use of non renewable primary energy resources used as raw material	MJ	3.86E+00	3.86E+00	0*	0*	0*	0*	0.00E+00
Contribution to total use of non-renewable primary energy resources	MJ	7.84E+01	5.91E+01	2.16E+00	9.66E+00	0*	7.49E+00	-1.33E+01
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	4.33E-02	3.32E-02	1.37E-05	9.23E-03	0*	8.62E-04	-1.76E-02
Contribution to hazardous waste disposed	kg	8.95E-01	2.04E-01	0*	1.10E-02	0*	6.81E-01	-3.04E+00
Contribution to non hazardous waste disposed	kg	1.84E+01	1.54E+01	5.44E-03	3.02E+00	0*	3.03E-03	-1.34E+01
Contribution to radioactive waste disposed	kg	1.44E-03	1.03E-03	3.88E-06	4.05E-04	0*	4.61E-06	-7.27E-04
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	5.41E-01	0*	0*	5.10E-01	0*	3.12E-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

 $^{^{\}star}$ represents less than 0.01% of the total life cycle of the reference flow

Life cycle assessment performed with EIME version v5.9.4, database version 2022-01 in compliance with ISO14044.

Detailed results, including all the optional indicators mentioned in PCRed4, and the split of the Use Phase (B1 to B7), are available in the LCA report and on demand in a digital format - Country Customer Care Center - http://www.schneider-electric.com/contact

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	10/2023	Information and reference documents	www.pep-ecopassport.org				
		Validity period	5 years				
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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