Product Environmental Profile

Wiser Power Micromodule





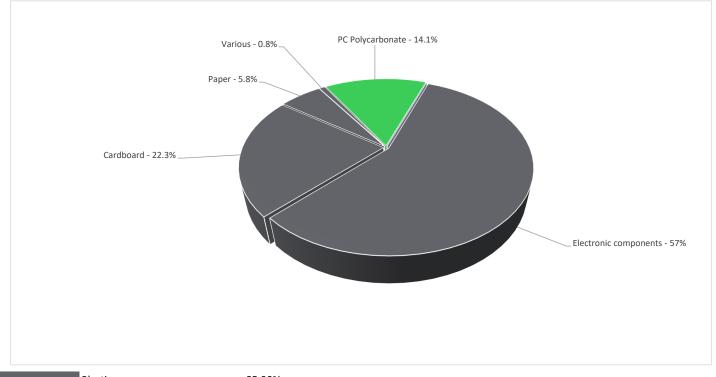


General information

Reference product	Wiser Power Micromodule - CCTFR6730
Description of the product	The generic module is a load outlet which has integrated an electronic switch and is a connected device. Generic module combines the function of communicating with a WLBL (Wireless Battery-less) control switch through Zigbee Protocol and acting on the light load.
Functional unit	During 10 years of life time, the Electronic SW, by a load consuming of 14A under a voltage of 250V installed direct on a domestic network, communicates through ZigBee 3.0 protocol with a ZigBee 3.0 compatible hub, capturing its signal of ON-OFF, acts on the wired load and measures its energy consumption. Moreover, the generic module is designed to protect the user from direct contact with live parts with a protection class IP20 in accordance with the standard IEC 60529 & IK04 in accordance with the standard IEC 62262 with the following standards IEC 60669-2-1:2002+A1:2008+A2:2015, IEC 60669-1:2017, EN 60699-2-1:2004+A1:2009+A12:2010, EN60669-1:2018.

Constituent materials

Reference product mass 49.46 g including the product, its packaging and additional elements and accessories



 Plastics
 85.90%

 Metals
 14.10%

 Others
 0.00%

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/

(19) Additional environmental information

Recyclability potential:

2%

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2%

Recyclability rate has been calculated based on REEECY'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).

T Environmental impacts

Reference service life time	10 years						
Product category	Other equipments - Active product						
Installation elements	No special components needed						
Use scenario	Active product, Load rate of product 30% of time active at 0.688W & 70% of time on standby at 0.3531W.						
Technological representativeness	The generic module is a load outlet which has integrated an electronic switch and is a connected device. Generic module combines the function of communicating with a WLBL (Wireless Battery-less) control switch through Zigbee Protocol and acting on the light load.						
Geographical representativeness	Europe						
Energy model used	[A1 - A3]	[A5]	[B6]	[C1 - C4]			
	Electricity Mix; Production mix; Low voltage; CN	Electricity Mix; Production mix; Low voltage; UE-27	Electricity Mix; Production mix; Low voltage; UE-27	Electricity Mix; Production mix; Low voltage; UE-27			

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	Wiser Power Micromodule - CCTFR6730							
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	Loads and Benefits
impact mulcators			[A1 - A3]	[A4]	[A5]	[B1 - B7]	[C1 - C4]	[D]
Contribution to climate change	kg CO2 eq	1.72E+01	8.19E-01	7.91E-03	2.46E-02	1.63E+01	6.02E-02	-3.30E-02
Contribution to climate change-fossil	kg CO2 eq	1.72E+01	8.06E-01	7.91E-03	2.35E-02	1.63E+01	5.74E-02	-3.20E-02
Contribution to climate change-biogenic	kg CO2 eq	3.82E-02	1.26E-02	0*	1.09E-03	2.17E-02	2.77E-03	-1.06E-03
Contribution to climate change-land use and land use change	kg CO2 eq	2.06E-08	2.06E-08	0*	0*	0*	0*	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	1.67E-07	9.17E-08	0*	1.63E-09	6.96E-08	3.56E-09	-1.52E-09
Contribution to acidification	mol H+ eq	1.04E-01	9.24E-03	5.28E-05	9.75E-05	9.29E-02	1.37E-03	-1.55E-04
Contribution to eutrophication, freshwater	kg (PO4)³⁻eq	5.21E-05	6.40E-06	0*	1.77E-07	4.46E-05	9.62E-07	-3.15E-07
Contribution to eutrophication marine	kg N eq	1.27E-02	1.08E-03	2.49E-05	2.58E-05	1.06E-02	9.90E-04	-3.88E-05
Contribution to eutrophication, terrestrial	mol N eq	1.71E-01	1.18E-02	2.73E-04	1.95E-04	1.59E-01	4.25E-04	-3.27E-04
Contribution to photochemical ozone formation - human health	kg COVNM eq	3.80E-02	3.80E-03	6.92E-05	5.20E-05	3.39E-02	1.80E-04	-8.73E-05
Contribution to resource use, minerals and metals	kg Sb eq	1.12E-03	1.12E-03	0*	0*	1.18E-06	0*	-2.45E-09
Contribution to resource use, fossils	MJ	4.29E+02	1.28E+01	1.10E-01	2.56E-01	4.15E+02	5.29E-01	-2.92E-01
Contribution to water use	m3 eq	1.96E+01	1.27E+00	0*	1.05E-02	5.76E-01	1.78E+01	-1.95E-02

 $\label{eq:Additional} \textit{Additional indicators for the French regulation are available as well}$

Inventory flows Indicators			Wiser Power Micromodule - CCTFR6730					
	Unit	Total	Manufact.	Distribution	Installation	Use	End of Life	Loads and Benefits
Inventory flows			[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	8.00E+01	1.83E-01	0*	1.83E-02	7.97E+01	7.80E-02	1.52E-01
Contribution to use of renewable primary energy resources used as raw material	MJ	2.01E-01	2.01E-01	0*	0*	0*	0*	-2.54E-01
Contribution to total use of renewable primary energy resources	MJ	8.02E+01	3.84E-01	0*	1.83E-02	7.97E+01	7.80E-02	-1.02E-01
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	4.28E+02	1.23E+01	1.10E-01	2.56E-01	4.15E+02	5.29E-01	-2.92E-01
Contribution to use of non renewable primary energy resources used as raw material	MJ	4.55E-01	4.55E-01	0*	0*	0*	0*	0.00E+00
Contribution to total use of non-renewable primary energy resources	MJ	4.29E+02	1.28E+01	1.10E-01	2.56E-01	4.15E+02	5.29E-01	-2.92E-01
Contribution to use of secondary material	kg	4.06E-03	4.06E-03	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	5.08E-01	2.95E-02	0*	2.44E-04	1.34E-02	4.65E-01	-4.55E-04
Contribution to hazardous waste disposed	kg	1.10E+01	1.06E+01	0*	0*	3.04E-01	3.74E-02	-7.69E-04
Contribution to non hazardous waste disposed	kg	2.75E+00	3.15E-01	2.77E-04	7.99E-02	2.34E+00	1.14E-02	-3.68E-01
Contribution to radioactive waste disposed	kg	5.93E-04	9.07E-05	1.97E-07	1.07E-05	4.90E-04	9.85E-07	-1.89E-05
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	1.41E-02	0*	0*	1.35E-02	0*	6.00E-04	0.00E+00
Contribution to materials for energy recovery	kg	7.55E-09	7.55E-09	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 v5.9.4, database version 2022-01 in compliance with ISO14044.

Environmental Factor V3.0

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.

Registration number:

Verifier accreditation N°

Drafting rules

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VH38

Supplemented by Information and reference documents Validity period

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www.pep-ecopassport.org
5 years

Independent verification of the declaration and data, in compliance with ISO 14025: 2010

Internal External X

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 14025: 2010 « Environmental labels and declarations. Type III environmental declarations »



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