

# Product Environmental Profile

## Resi9 Connect Communication Cabinet

as referent product for :

**all Cabinets in Resi9 CONNECT BASIC range**





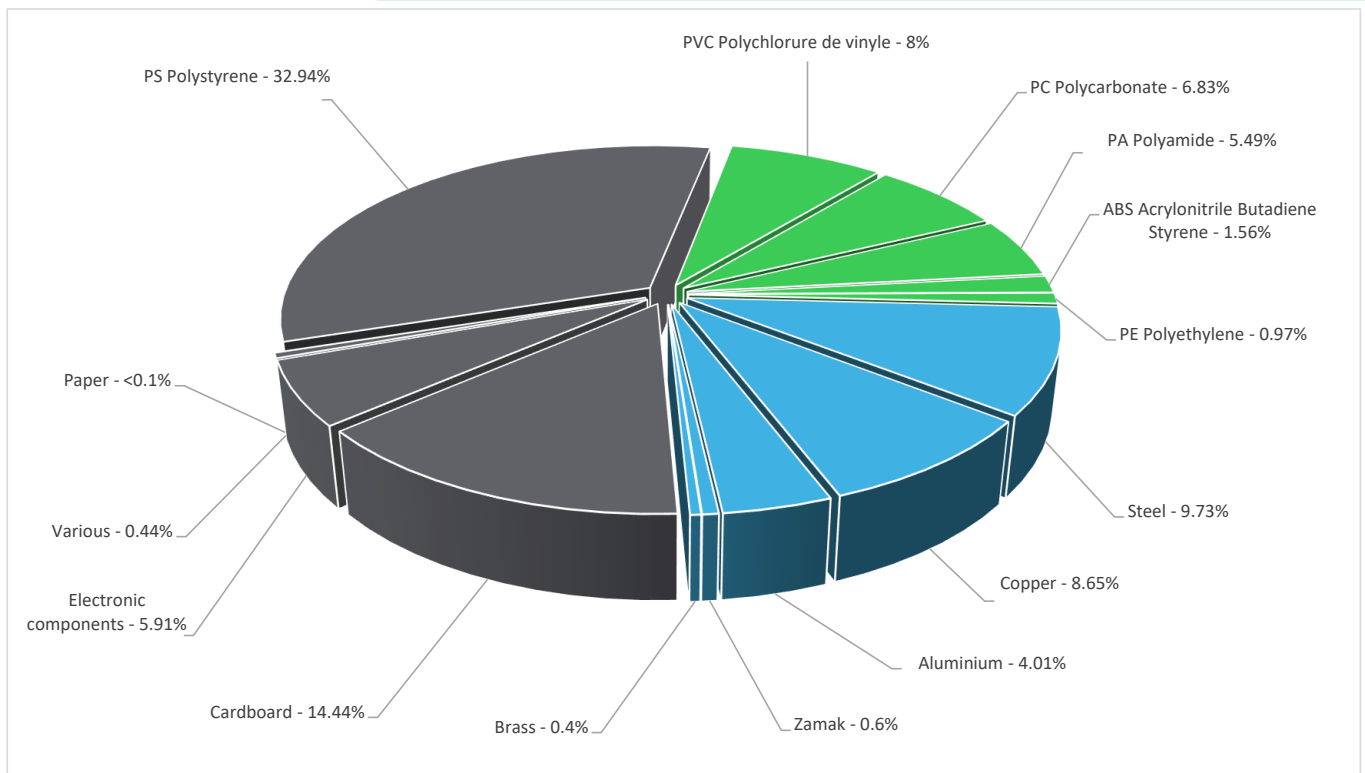
## General information

Reference product	Resi9 Connect Communication Cabinet - VDIRM0036
Description of the product	Resi9 connect basic product is a network / communication cabinet for residential purpose aiming to distribute communication signals (Phone, IP Data, TV, SAT) to farthest corner of the house, safely and without interference.
Description of the range	<p>The indicators values of this Resi9 connect basic network / communication cabinet can be extrapolated, based on the Mass and Energy values of the products, for other Resi9 connect basic network / communication cabinet Range of products ( whatever the earth type / finishing / colours / accessories included or not / ...). 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.</p> <p>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.</p>
Functional unit	<p>This product is a 3-row, 13-module, assembled enclosure which can distribute communication signals (Phone, IP Data, TV, SAT) at home with IK08 degrees of protection against external mechanical impacts in accordance with the standard IEC 62262. It is compatible with Grade2TV cabling system according to NFC 15-100 and NFC 90483 standards.</p> <p>As central point, the network / communication cabinet can embed the ISP router to dispatch any IP Data (VoIP, IPTV, LAN) to RJ45 communication sockets on wall.</p> <p>Installation must comply with NFC 15-100 to protect people from safety hazards.</p>



## Constituent materials

Reference product mass	2300 g	including the product, its packaging and additional elements and accessories
------------------------	--------	--



Plastics	55.8%
Metals	23.4%
Others	20.8%



## 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:	26%	Recyclability rate has been calculated based on REEECY <sup>®</sup> 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).
-------------	--------------------------	-----	--



## Environmental impacts

Reference service life time	20 years		
Product category	Combination of functions		
Installation elements	The disposal of the packaging materials is accounted during the installation phase (including transport to disposal).		
Use scenario	<p>The power consumption for active part is 0.07W at use rate of 40% in active mode and 0.037W at use rate of 60% in standby mode for 20 years.</p> <p>Passive product continuous operation' scenario, products through which the main current passes during continuous operation.</p> <p>The power dissipation at 100% load rate is 0.275W.</p> <ul style="list-style-type: none"> <li>▪ Load rate / rated current (In): 30% In</li> <li>▪ Use time rate: 100 %</li> </ul>		
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	Europe		
Energy model used	[A1 - A3]	[A5]	[B6]
	Electricity Mix; Production mix; Low voltage; FR	Electricity Mix; Production mix; Low voltage; UE-27	Electricity Mix; Production mix; Low voltage; UE-27

Detailed results, including all the impact indicators mentioned in PCRed4 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			Resi9 Connect Communication Cabinet - VDIRM0036					
Impact indicators	Unit	Total	Manufacturing [A1 - A3]	Distribution [A4]	Installation [A5]	Use [B1 - B7]	End of Life [C1 - C4]	Loads and Benefits [D]
Contribution to climate change	kg CO2 eq	2.10E+01	1.16E+01	6.96E-02	6.14E-01	5.99E+00	2.78E+00	-1.69E+00
Contribution to climate change-fossil	kg CO2 eq	2.09E+01	1.15E+01	6.96E-02	5.87E-01	5.97E+00	2.72E+00	-1.66E+00
Contribution to climate change-biogenic	kg CO2 eq	1.75E-01	7.96E-02	0*	2.72E-02	1.38E-02	5.40E-02	-2.80E-02
Contribution to climate change-land use and land use change	kg CO2 eq	7.69E-07	7.55E-09	0*	7.25E-08	7.51E-09	6.81E-07	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	1.24E-06	1.03E-06	0*	4.10E-08	9.83E-08	6.40E-08	-1.74E-07
Contribution to acidification	mol H+ eq	1.47E-01	9.19E-02	4.40E-04	2.44E-03	3.71E-02	1.55E-02	-8.93E-03
Contribution to eutrophication, freshwater	kg (PO4) <sup>3-</sup> eq	1.56E-03	7.94E-05	0*	4.75E-06	1.85E-05	1.46E-03	-9.48E-06
Contribution to eutrophication marine	kg N eq	2.01E-02	8.85E-03	2.06E-04	6.47E-04	4.01E-03	6.36E-03	-1.44E-03
Contribution to eutrophication, terrestrial	mol N eq	1.80E-01	9.41E-02	2.26E-03	4.90E-03	5.81E-02	2.09E-02	-1.38E-02
Contribution to photochemical ozone formation - human health	kg COVNM eq	5.42E-02	3.30E-02	5.71E-04	1.31E-03	1.34E-02	5.99E-03	-4.22E-03
Contribution to resource use, minerals and metals	kg Sb eq	1.58E-03	1.49E-03	0*	0*	4.56E-05	4.09E-05	-2.72E-04
Contribution to resource use, fossils	MJ	4.71E+02	2.55E+02	9.70E-01	6.37E+00	1.50E+02	5.94E+01	-2.76E+01
Contribution to water use	m3 eq	9.27E+01	4.37E+00	0*	2.80E-01	7.34E-01	8.73E+01	-8.53E-01

Additional indicators for the French regulation are available as well

Inventory flows Indicators			Resi9 Connect Communication Cabinet - VDIRM0036					
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	3.02E+01	1.81E+00	0*	4.72E-01	2.65E+01	1.39E+00	3.45E+00
Contribution to use of renewable primary energy resources used as raw material	MJ	6.67E+00	6.67E+00	0*	0*	0*	0*	-6.04E+00
Contribution to total use of renewable primary energy resources	MJ	3.69E+01	8.48E+00	0*	4.72E-01	2.65E+01	1.39E+00	-2.59E+00
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	4.14E+02	2.00E+02	9.70E-01	6.37E+00	1.47E+02	5.94E+01	-2.72E+01
Contribution to use of non renewable primary energy resources used as raw material	MJ	5.74E+01	5.52E+01	0*	0*	2.22E+00	0*	-4.11E-01
Contribution to total use of non-renewable primary energy resources	MJ	4.71E+02	2.55E+02	9.70E-01	6.37E+00	1.50E+02	5.94E+01	-2.76E+01
Contribution to use of secondary material	kg	2.00E-05	1.00E-05	0*	0*	1.00E-05	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	2.41E+00	1.02E-01	0*	6.52E-03	1.71E-02	2.28E+00	-1.99E-02
Contribution to hazardous waste disposed	kg	3.45E+01	3.22E+01	0*	7.23E-03	3.05E-01	2.06E+00	-2.14E+01
Contribution to non hazardous waste disposed	kg	1.84E+01	1.45E+01	2.44E-03	1.99E+00	1.02E+00	8.72E-01	-9.45E+00
Contribution to radioactive waste disposed	kg	1.17E-02	1.09E-02	1.74E-06	2.68E-04	3.60E-04	1.40E-04	-7.64E-04
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	8.70E-01	2.63E-03	0*	3.49E-01	2.71E-04	5.18E-01	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.

Detailed results, including all the optional indicators mentioned in PCRed4 are available in the LCA report and on demand in a digital format.

and on demand in a digital format - Country Customer Care Center - <http://www.schneider-electric.com/contact>

According to this environmental analysis, proportionality rules may be used to evaluate the impacts of other products of this range, ratios to apply can be provided upon request

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 :	ENVPEP2312011_V1	Drafting rules	PEP-PCR-ed4-2021 09 06
Validity period	5 years	Supplemented by	PSR-0005-ed3-EN-2023 06 06
Date of issue	12/2023	Information and reference documents	<a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a>

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 »

Schneider Electric Industries SAS

Country Customer Care Center

<http://www.se.com/contact>

35, rue Joseph Monier

CS 30323

F- 92500 Rueil Malmaison Cedex

RCS Nanterre 954 503 439

Capital social 928 298 512 €

[www.se.com](http://www.se.com)

ENVPEP2312011\_V1

Published by Schneider Electric

©2023 - Schneider Electric – All rights reserved

12/2023