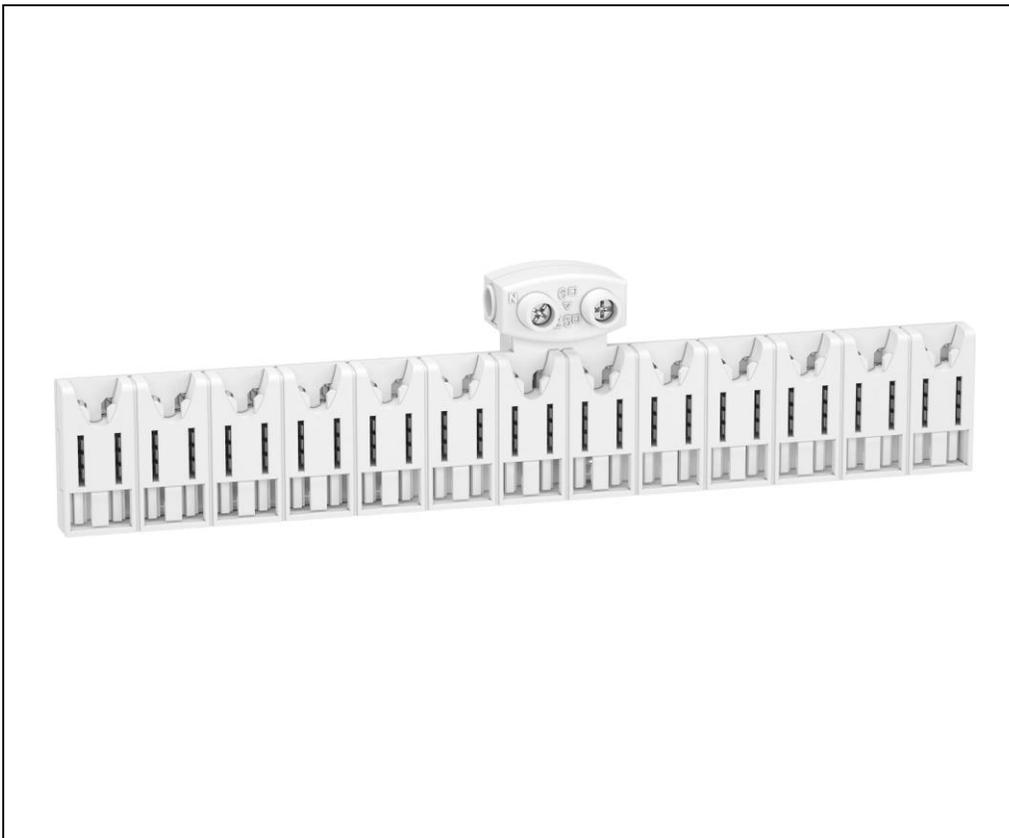


Product Environmental Profile

RESI9 XE DISTRIBUTION WITH CONNECTOR





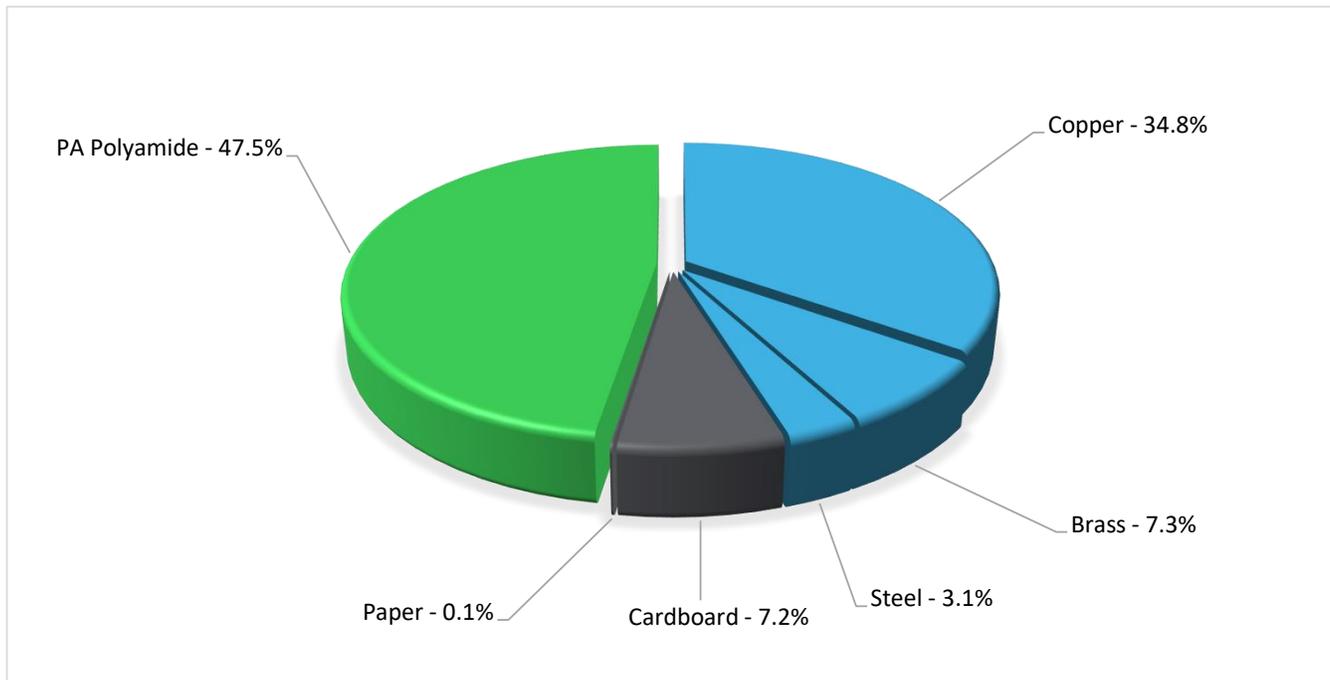
General information

Representative product	RESI9 XE DISTRIBUTION WITH CONNECTOR - R9EXHC13
Description of the product	Resi9 XE distribution with connector is comb busbar.
Functional unit	<p>Comb busbar use to distribute and sub-distribute the electric power supply and it can fast assemble and disassemble the connected devices. Resi9 XE distribution with connector in accordance with CEI/EN 60898-1.</p> <p>Rated voltage:230Vac Rated current:63A Maximum current of circuit breaker:32A Tolerance of short-circuit current:3kA The reference lifetime:20 years</p>



Constituent materials

Reference product mass 148 g including the product, its packaging and additional elements and accessories



Plastics	47.5%
Metals	45.2%
Others	7.3%



Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 8 June 2011) 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) 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

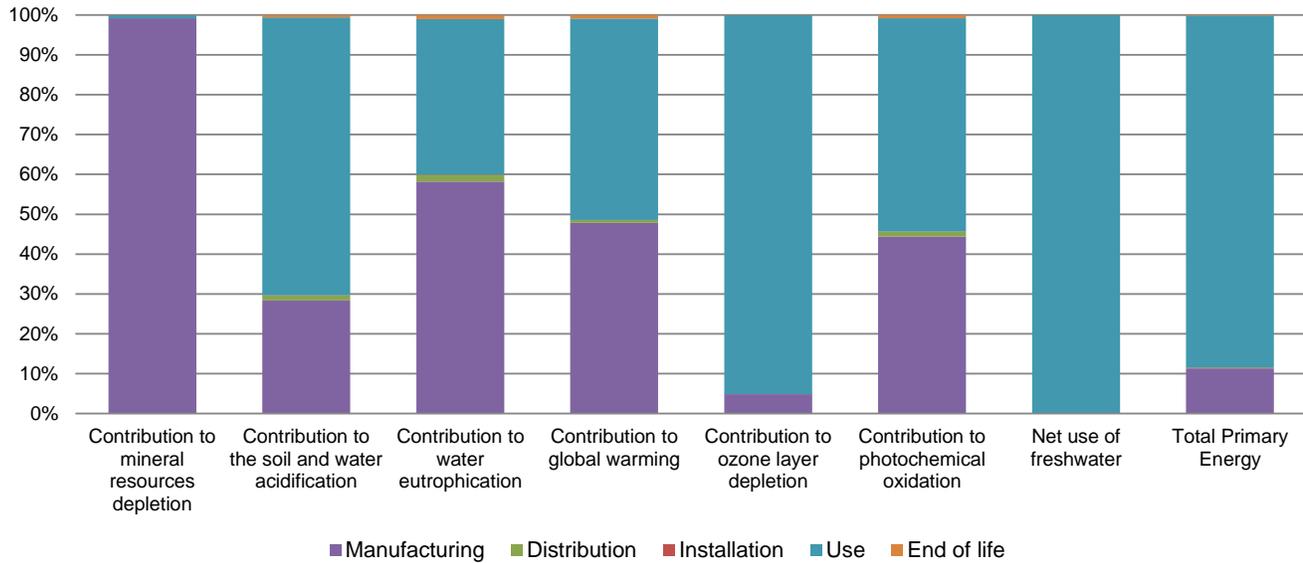
The RESI9 XE DISTRIBUTION WITH CONNECTOR presents the following relevant environmental aspects

Manufacturing	Manufactured at a Schneider Electric production site ISO14001 certified		
Distribution	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 10.502 g, consisting of cardboard (99.03%), paper(0.97%)		
Installation	Ref R9EXHC13 does not require any installation operations.		
Use	The product does not require special maintenance operations.		
End of life	End of life optimized to decrease the amount of waste and allow recovery of the product components and materials		
	No special end-of-life treatment required. According to countries' practices this product can enter the usual end-of-life treatment process.		
	Recyclability potential:	42%	Based on "ECO'DEEEE recyclability and recoverability calculation method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).

Environmental impacts

Reference life time	20 years			
Product category	Other equipments - Passive product - continuous operation			
Installation elements	No special components needed			
Use scenario	The product is in active mode 95% of the time with a power use of 0.8W and in off mode 5% of the time with a power use of 0W, for 20 years			
Geographical representativeness	France			
Technological representativeness	Resi9 XE distribution with connector is comb busbar.			
Energy model used	Manufacturing	Installation	Use	End of life
	Energy model used: Ireland	Electricity grid mix; AC; consumption mix, at consumer; 230V; FR	Electricity grid mix; AC; consumption mix, at consumer; 230V; FR	Electricity grid mix; AC; consumption mix, at consumer; 230V; FR

Compulsory indicators		RESI9 XE DISTRIBUTION WITH CONNECTOR - R9EXHC13					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	8.06E-05	7.99E-05	0*	0*	6.36E-07	0*
Contribution to the soil and water acidification	kg SO ₂ eq	6.95E-03	1.97E-03	8.72E-05	2.37E-06	4.85E-03	4.08E-05
Contribution to water eutrophication	kg PO ₄ ³⁻ eq	1.13E-03	6.59E-04	2.01E-05	5.76E-07	4.42E-04	1.17E-05
Contribution to global warming	kg CO ₂ eq	2.58E+00	1.23E+00	1.91E-02	5.68E-04	1.30E+00	2.30E-02
Contribution to ozone layer depletion	kg CFC11 eq	1.96E-06	9.48E-08	0*	0*	1.86E-06	9.37E-10
Contribution to photochemical oxidation	kg C ₂ H ₄ eq	5.23E-04	2.32E-04	6.22E-06	1.77E-07	2.81E-04	4.22E-06
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m ³	3.09E+01	1.24E-02	0*	0*	3.09E+01	0*
Total Primary Energy	MJ	1.35E+02	1.53E+01	2.70E-01	0*	1.19E+02	1.97E-01



Optional indicators		RESI9 XE DISTRIBUTION WITH CONNECTOR - R9EXHC13						
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	
Contribution to fossil resources depletion	MJ	2.47E+01	9.32E+00	2.68E-01	7.37E-03	1.50E+01	1.58E-01	
Contribution to air pollution	m³	4.18E+02	3.72E+02	8.12E-01	0*	4.34E+01	1.43E+00	
Contribution to water pollution	m³	1.03E+02	3.25E+01	3.14E+00	8.62E-02	6.60E+01	1.76E+00	
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	
Use of secondary material	kg	1.93E-02	1.93E-02	0*	0*	0*	0*	
Total use of renewable primary energy resources	MJ	8.99E+00	3.64E-01	0*	0*	8.62E+00	0*	
Total use of non-renewable primary energy resources	MJ	1.26E+02	1.49E+01	2.70E-01	0*	1.10E+02	1.97E-01	
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	8.95E+00	3.31E-01	0*	0*	8.62E+00	0*	
Use of renewable primary energy resources used as raw material	MJ	3.27E-02	3.27E-02	0*	0*	0*	0*	
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.23E+02	1.26E+01	2.70E-01	0*	1.10E+02	1.97E-01	
Use of non renewable primary energy resources used as raw material	MJ	2.27E+00	2.27E+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	7.36E+00	7.15E+00	0*	0*	2.46E-03	2.12E-01	
Non hazardous waste disposed	kg	3.08E+00	4.14E-01	6.78E-04	0*	2.67E+00	6.02E-04	
Radioactive waste disposed	kg	3.96E-02	2.72E-04	0*	0*	3.94E-02	0*	
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	
Materials for recycling	kg	8.05E-02	1.43E-02	0*	1.04E-02	0*	5.57E-02	
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	
Materials for energy recovery	kg	3.43E-03	0*	0*	0*	0*	3.43E-03	
Exported Energy	MJ	3.32E-05	3.12E-06	0*	3.01E-05	0*	0*	

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

Life cycle assessment performed with EIME version EIME v5.8.1, 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).

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	12/2019	Information and reference documents	www.pep-ecopassport.org
		Validity period	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 Philippe Osset (SOLINNEN)			
PEP are compliant with XP C08-100-1 :2016			
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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