Product Environmental Profile

RJ45 JACK CAT6A UTP KEYSTONE SH WHITE
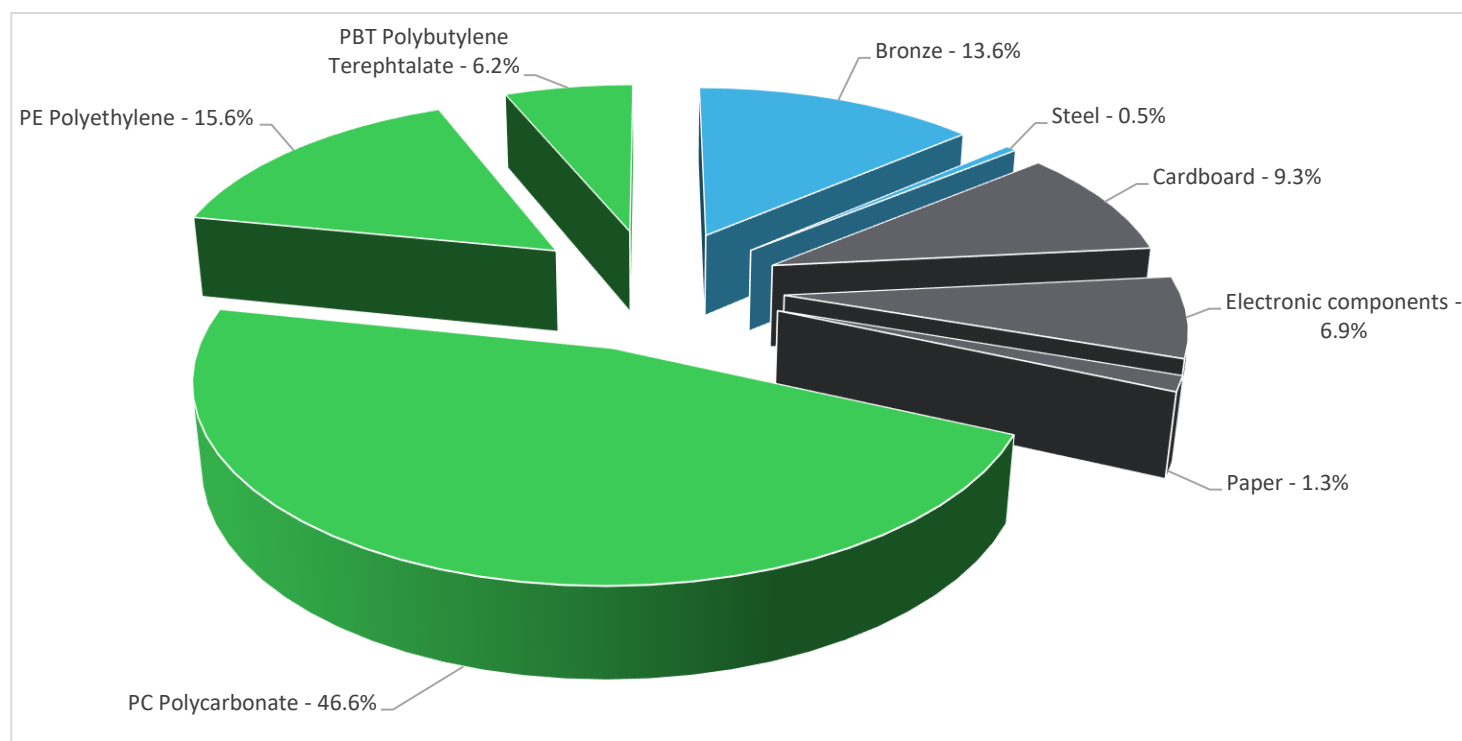
📱 General information

Representative product	RJ45 JACK CAT6A UTP KEYSTONE SH WHITE - VDIB1734XUWE
Description of the product	The main function of the RJ45 Keystone connectors product is to provide a unic outlet for all needs in Voice, Data and Images.
Functional unit	To protect, link, splice or connect a connection point during 10 years with a 100% use rate for a Data centers application

🧪 Constituent materials

Reference product mass	10.85 g	including the product, its packaging and additional elements and accessories

PBT Polybutylene Terephtalate - 6.2%

PE Polyethylene - 15.6%

Bronze - 13.6%

Steel - 0.5%

Cardboard - 9.3%

Electronic components - 6.9%

Paper - 1.3%

PC Polycarbonate - 46.6%

	Plastics	68.4%
	Metals	14.1%
	Others	17.5%

📏 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

As the products of the range are designed in accordance with the RoHS Directive (European Directive 2002/95/EC of 27 January 2003), they can be incorporated without any restriction in an assembly or an installation subject to this 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

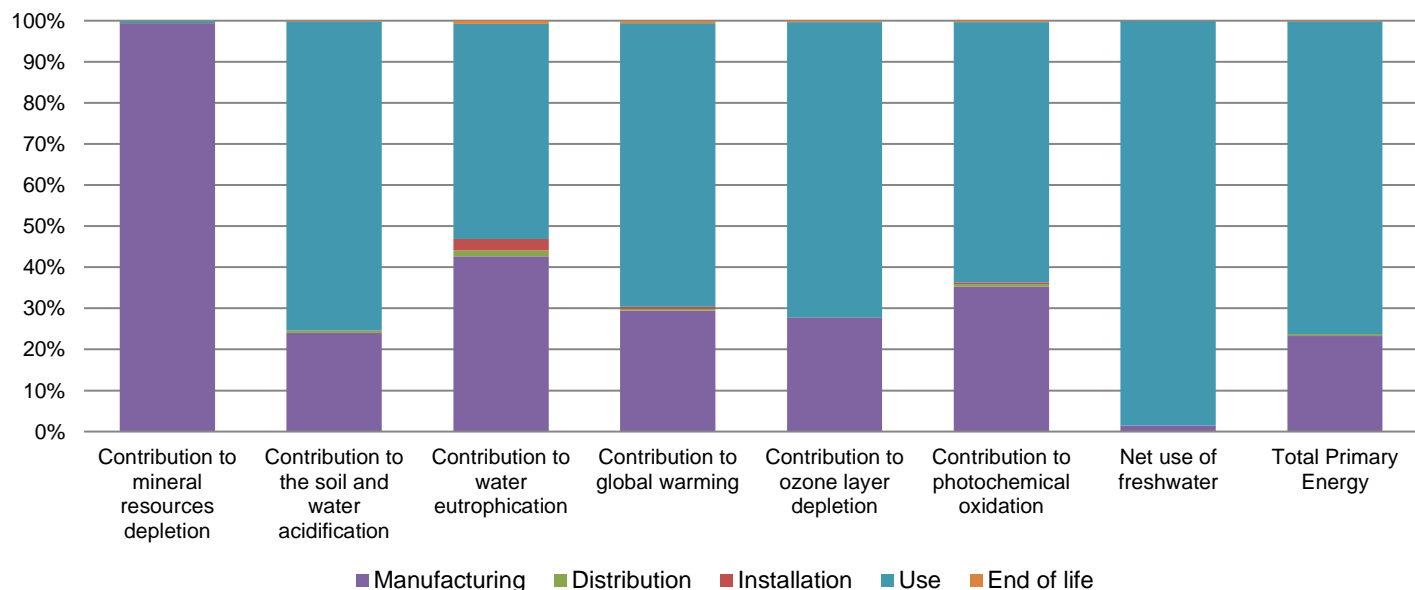| The RJ45 JACK CAT6A UTP KEYSTONE SH WHITE presents the following relevent environmental aspects	
Manufacturing	Manufactured at a Schneider Electric production site ISO14001 certified
Distribution	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 2.8 g, consisting of PE film (59.72%), cardboard (35.38%), paper (4.9%) Product distribution optimised by setting up local distribution centres
Installation	Ref VDIB1734XUWE 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: **14%** Based on "ECO'DEEE 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	10 years			
Product category	Copper telecom accessory			
Installation elements	Ref VDIB1734XUWE does not require any special component for the installation operations. The disposal of the packaging materials is accounted for during the installation phase (including transport to disposal).			
Use scenario	PSR0005 Copper telecom accessories define datacenter application = 100% use rate			
Geographical representativeness	Europe			
Technological representativeness	The main function of the RJ45 Keystone connectors product is to provide a unic outlet for all needs in Voice, Data and Images.			
Energy model used	Manufacturing	Installation	Use	End of life
	Energy model used: China	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27

Compulsory indicators		RJ45 JACK CAT6A UTP KEYSTONE SH WHITE - VDIB1734XUWE					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	2.87E-06	2.85E-06	0*	0*	1.84E-08	0*
Contribution to the soil and water acidification	kg SO_2 eq	1.17E-03	2.82E-04	6.39E-06	1.59E-07	8.82E-04	2.53E-06
Contribution to water eutrophication	kg PO_4^{3-} eq	1.02E-04	4.34E-05	1.47E-06	2.80E-06	5.33E-05	7.95E-07
Contribution to global warming	kg CO_2 eq	3.06E-01	9.00E-02	1.40E-03	1.52E-03	2.11E-01	1.75E-03
Contribution to ozone layer depletion	kg CFC11 eq	1.91E-08	5.30E-09	2.84E-12	3.89E-12	1.38E-08	6.09E-11
Contribution to photochemical oxidation	kg C_2H_4 eq	7.65E-05	2.70E-05	4.56E-07	3.63E-07	4.85E-05	2.56E-07
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	7.78E-01	1.13E-02	0*	0*	7.67E-01	0*
Total Primary Energy	MJ	5.55E+00	1.29E+00	1.98E-02	0*	4.22E+00	1.19E-02

■Manufacturing ■Distribution ■Installation ■Use ■End of life

Optional indicators		RJ45 JACK CAT6A UTP KEYSTONE SH WHITE - VDIB1734XUWE					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	3.81E+00	1.38E+00	1.97E-02	5.08E-04	2.40E+00	1.09E-02
Contribution to air pollution	m³	2.03E+01	1.10E+01	5.96E-02	8.38E-03	9.10E+00	8.81E-02
Contribution to water pollution	m³	3.85E+01	2.94E+01	2.30E-01	7.71E-02	8.73E+00	1.16E-01
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	1.54E-04	1.54E-04	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	5.65E-01	2.81E-02	0*	0*	5.37E-01	0*
Total use of non-renewable primary energy resources	MJ	4.98E+00	1.26E+00	1.98E-02	0*	3.69E+00	1.19E-02
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	5.45E-01	8.08E-03	0*	0*	5.37E-01	0*
Use of renewable primary energy resources used as raw material	MJ	2.00E-02	2.00E-02	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	4.68E+00	9.62E-01	1.98E-02	4.81E-04	3.69E+00	1.19E-02
Use of non renewable primary energy resources used as raw material	MJ	3.01E-01	3.01E-01	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	2.75E-02	1.23E-02	0*	0*	1.10E-04	1.50E-02
Non hazardous waste disposed	kg	7.97E-01	6.96E-03	0*	1.16E-03	7.88E-01	0*
Radioactive waste disposed	kg	5.33E-04	6.43E-06	0*	0*	5.27E-04	5.88E-08
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	1.97E-03	8.87E-04	0*	0*	0*	1.09E-03
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	2.03E-03	0*	0*	1.70E-03	0*	3.25E-04
Exported Energy	MJ	8.04E-05	3.41E-07	0*	8.00E-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 v5.7.0.3, 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.

Registration number :	SCHN-00364-V01.01-EN	Drafting rules	PCR-ed3-EN-2015 04 02
Verifier accreditation N°	VH33	Supplemented by	PSR-0005-ed2-EN-2016 03 29
Date of issue	06/2018	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 :2014

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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