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Your usual Sales office
www.legrand.com

Product Environmental Profile

Socket RJ 11 Céliane

LEGRAND'S ENVIRONMENTAL COMMITMENTS

• Incorporate environmental management into our industrial sites
Of all Legrand sites worldwide, over 80% are ISO 14001-certified (sites belonging to the Group for more than five years).

• Involve the environment in product design
Provide our customers with all relevant information (composition, consumption, end of life, etc.).
Reduce the environmental impact of products over their whole life cycle.

• Offer our customers environmentally friendly solutions
Develop innovative solutions to help our customers design more energy efficient, better managed and more environmentally friendly installations.

REFERENCE PRODUCT

Function	Allow connecting the phone to the end user to the wired telephone network for a period of 20 years.
Reference Product	
	Cat.Nos 0 673 40 - 0 682 37 - 0 686 31 - 0 802 51
	Socket RJ 11 Céliane.

The company reserves the right to change specifications and designs without notice. All illustrations, descriptions, dimensions and weights in the document are for guidance and cannot be held binding on the company.

PRODUCTS CONCERNED

The environmental data are representative of the following products:

Catalogue Numbers
• 0 673 40 • 0 682 37 • 0 686 31 • 0 802 51

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PEP ecopassport®

CONSTITUENT MATERIALS

This Reference Product contains no substances prohibited by the regulations applicable at the time of its introduction to the market.

It contains no substances covered by the RoHS directive (2002/95/EC and its revision 2011/65/EC). It contains none of the 138 candidate substances covered by appendix XIV of the REACH regulation dated 19/12/2012

Total weight of Reference Product	**75 g** (with unit packaging)

Plastics as % of weight		**Metals as % of weight**		**Other as % of weight**	
ABS	**29,4 %**	Acier	**25,8 %**		
PC	**11,3 %**	Copper alloys	**0,8 %**		
PA	**8,6 %**	Autre métal	**< 0,1 %**		
PET	**2,9 %**				
				Packaging as % of weight	
				Papier (emballage)	**19,1 %**
				PP (emballage)	**2,2 %**
Total plastics	**52,2 %**	**Total metals**	**26,6 %**	**Total other and packaging**	**21,3 %**

Estimated recycled material content: 29 % of weight.

MANUFACTURE

This Reference Product comes from sites that have received ISO14001 certification.

DISTRIBUTION

Products are distributed from logistics centres located with a view to optimize transport efficiency. The Reference Product is therefore transported over an average distance of 780 km by road from our warehouse to the local point of distribution into the market in Europe.

Packaging is compliant with European directive 2004/12/EC concerning packaging and packaging waste. At their end of life the recyclability rate is 90 % (in % of packaging weight).

INSTALLATION

Installation components not delivered with the product are not taken into account.

USE

Servicing and maintenance:
under normal conditions of use, this type of product requires no servicing or maintenance.

Consumable:
no consumables are necessary to use this type of product.

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END OF LIFE

Product end of life management is integrated into product design by the development teams. The disassembly and sorting of components or materials is made as easy as possible with a view to recycling or another form of reuse.

• Recyclability rate:
Calculated using the method described in technical report IEC/TR 62635, the recyclability rate of the product is estimated at 95 %. This value is based on data collected from a technological channel operating on an industrial basis. It does not prejudge the effective use of the channel for electrical and electronic products at the end of their life.

Separated into:

- plastic materials (excluding packaging) : 50 %
- metal materials (excluding packaging) : 26 %
- packaging (all types of materials) : 19 %

ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts examines the stages of the Reference Product life cycle: manufacturing, distribution, installation, use and end-of-life. It is representative from products marketed and used in Europe,in compliance with the local current standards.

The following modelling elements were taken into account:

Manufacture	Unit packaging taken into account. As required by the "PEP ecopassport" programme all transport for the manufacturing of the Reference Product, including materials and components, has been taken in account.
Distribution	Transport between the last Group distribution centre and an average delivery to the sales area.
Installation	Installation components not delivered with the product are not taken into account.
Use	• Under normal conditions of use, this type of product requires no servicing or maintenance. • No consumables are necessary to use this type of product. • Product category: passive product. • Use scenario: continuous operation (100 % of the time) for 20 years at 30 % of rated load of the time. This modelling duration does not constitute a minimum durabilty requirement. • Energy model: Electricity (Europe) - 2005
End of life	In view of the data avalaible on the date of creation of the document, and in accordance with the requirements of the PCR of the «PEP ecopassport» programme, transport of the Reference Product by road only once, over a distance of 1000 km, to a processing site at end of life was counted.
Software used	EIME V5 et sa base de données Database version : Legrand_2012_10_31_version_3, issue de la base CODDE-2012-07

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ENVIRONMENTAL IMPACTS (continued)

		Total for Life cycle		Raw material and manufacture		Distribution		Installation		Use		End of life	
Mandatory indicators	Global warming	**2,53E+03**	**g~CO_2 eq.**	5,01E+02	**20 %**	4,50E+00	**< 1 %**	0,00E+00	**0 %**	2,02E+03	**80 %**	3,74E+00	**< 1 %**
	Ozone depletion	**1,48E-04**	**g~CFC-11 eq.**	3,45E-05	**23 %**	3,19E-06	**2 %**	0,00E+00	**0 %**	1,10E-04	**74 %**	7,10E-09	**< 1 %**
	Water eutrophication	**8,28E-02**	**g~PO_4^{3-}eq.**	7,79E-02	**94 %**	7,51E-05	**< 1 %**	0,00E+00	**0 %**	4,76E-03	**6 %**	6,96E-06	**< 1 %**
	Photochemical ozone creation	**1,07E+00**	**g~C_2H_4 eq.**	3,55E-01	**33 %**	3,91E-03	**< 1 %**	0,00E+00	**0 %**	7,08E-01	**66 %**	8,35E-04	**< 1 %**
	Air acidification	**3,41E-01**	**g~H+ eq.**	6,77E-02	**20 %**	5,96E-04	**< 1 %**	0,00E+00	**0 %**	2,72E-01	**80 %**	6,96E-04	**< 1 %**
	Total energy depletion	**4,96E+01**	**MJ**	9,39E+00	**19 %**	5,71E-02	**< 1 %**	0,00E+00	**0 %**	4,01E+01	**81 %**	5,28E-02	**< 1 %**
	Water depletion	**9,80E+00**	**dm^3**	3,99E+00	**41 %**	5,41E-03	**< 1 %**	0,00E+00	**0 %**	5,80E+00	**59 %**	3,89E-04	**< 1 %**
Optional indicators	Raw material depletion	**2,47E-16**	**$year^{-1}$**	2,01E-16	**81 %**	7,78E-20	**< 1 %**	0,00E+00	**0 %**	4,56E-17	**18 %**	7,66E-20	**< 1 %**
	Air toxicity	**4,35E+05**	**m^3**	9,70E+04	**22 %**	8,82E+02	**< 1 %**	0,00E+00	**0 %**	3,36E+05	**77 %**	1,03E+03	**< 1 %**
	Water toxicity	**7,95E-01**	**m^3**	2,11E-01	**27 %**	6,29E-04	**< 1 %**	0,00E+00	**0 %**	5,81E-01	**73 %**	1,60E-03	**< 1 %**
	Hazardous waste production	**4,27E-02**	**kg**	9,11E-03	**21 %**	1,68E-06	**< 1 %**	0,00E+00	**0 %**	3,36E-02	**79 %**	4,64E-09	**< 1 %**

The environmental impacts of the Reference Product are representative of the products covered by the PEP.

The values of these impacts are valid for the context specified in this document. They must not be used directly to draw up the environmental balance sheet for the installation.

Registration number: LGRP-2013-153-V1-EN	Drafting rule: PCR : PEP-PCR-ed 2.1-FR-2012 12 11 supplemented by PSR : PSR-0005-ed1-FR-2012 12 11
Authorisation number of checker: VH02	Programme information: **www.pep-ecopassport.org**
Date of issue: 11-2013	Validity period: 4 years
Independent verification of the declaration and data, in accordance with ISO 14025:2006 Internal ☒ External ☐	
In accordance with ISO 14025:2006 Type III environmental declaration	
The critical review of the PCR was conducted by a panel of experts chaired by J.Chevalier (CSTB)	
The elements of the present PEP cannot be compared with elements from another programme	