Pass & Seymour
50 Boyd Avenue
Syracuse, NY 13221

1.877.BY.LEGRAND (295.2472)
www.legrand.us

Product Environmental Profile

Pass & Seymour
Turnlok Single Plug, 30 A, 125/250 V

LEGRAND'S ENVIRONMENTAL COMMITMENTS

- Incorporate environmental management into our industrial sites
  Over 75% of Legrand North America's manufacturing sites are ISO 14001 Registered.
  (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 the supply of equipment for domestic or similar use during a lifespan of 20 years in a electrical circuit low voltage 125 / 250 V at a rated current not exceeding 30 A
Reference products	
	Cat. No. L1430 PCCV3 Turnlok plug 30 A 125 / 250 V

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 for the reference product represent the following Catalogue Numbers:

Catalogue Numbers
L1430 PCCV3

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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.

At the date of publication of this document, this Reference Product contains no substance to which the RoHS directives apply (2002/95/EC and its revision 2011/65/EU).

Total weight of reference products:	5.4 oz (unit packaging included)

Plastics as % of weight		Metals as % of weight		Other as % of weight	
Polyamide	41.5 %	Copper Alloys	24.0 %		
Polycarbonates	6,0 %	Steel	10.0 %		
Styrene butadiene styrene (SBS)	1,5 %				
Polyvinyl chloride	1,0 %				
				Packaging as % of weight	
				Polyethylene terephthalate	14.0 %
				Paper and cardboard	2.0 %
Total Plastics	50.0 %	Total metals	34.0 %	Total others and packaging	16.0 %

Estimated recycled material content: 6 % by weight

MANUFACTURING

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

DISTRIBUTION

Products are distributed from logistics centres located with a view to optimum transport efficiency.
The Reference Product is therefore transported over an average distance of 745 miles by truck from our warehouse to the local point of distribution into the market in North America.

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 the Reference Product.

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END OF LIFE

• Hazardous waste contained in the product:
No hazardous waste comes from this Reference Product.

• Recyclability rate :
Calculated using the method described in the IEC/TR 62635 technical report, the recyclability rate of the product is estimated as 82%. This value is based on data collected from a technological channel using industrial procedures. It does not pre-validate the effective use of this channel for end-of-life electrical and electronic products.

Separated into (in % mass of the Reference Product):

- Plastic materials (excluding packaging) : 46 %
- Metal materials (excluding packaging) : 34 %
- Packaging (all types of materials) : 2 %

ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts examines the stages of the Reference Product life cycle: manufacturing, distribution, installation, use, and end of life of the product. They are representative from products marketed and used in North America.

The following modelling elements were taken in account.

Manufacture	Unit packaging 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	• Maintenance: Under normal conditions of use, this type of product requires no servicing or maintenance. No consumables are necessary to use the products. • Product category: passive product • Use scenario: non-continuous operation for 20 years at 30% of rated load, 30% of the time. This modelling duration does not constitute a minimum durabilty requirement. • Energy model: North America 2009
End of life	In view of the data available 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 600 miles, to a processing site at end of life was counted.
Software used	EIME V5 Beta and its database "Legrand-2012-10-31 version 3" made from database "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	1.59E+04	g~CO_2 eq.	1.13E+03	7%	1.45E+01	<1%	0.00E+00	0%	1.48E+04	93%	1.21E+01	<1%
	Ozone depletion	3.70E-04	g~CFC-11 eq.	8.47E-05	23%	1.03E-05	3%	0.00E+00	0%	2.67E-04	72%	8.61E-06	2%
	Water eutrophication	4.23E-01	g~PO_4^{3-} eq.	3.75E-01	89%	2.42E-04	<1%	0.00E+00	0%	4.73E-02	11%	2.02E-04	<1%
	Photochemical ozon creation	3.14E+00	g~C_2H_4 eq.	4.38E-01	14%	1.26E-02	<2%	0.00E+00	0%	2.68E+00	85%	1.06E-02	<1%
	Air acidif cation	2.77E+00	g~H+ eq.	2.48E-01	9%	1.92E-03	<1%	0.00E+00	0%	2.52E+00	91%	1.61E-03	<1%
	Total energy depletion	2.11E+02	MJ	1.90E+01	9%	1.84E-01	<1%	0.00E+00	0%	1.92E+02	91%	1.54E-01	<1%
	Water depletion	4.27E+01	dm^3	1.66E+01	39%	1.75E-02	<1%	0.00E+00	0%	2.60E+01	61%	1.46E-02	<1%
Optional indicators	Raw material depletion	1.56E-15	years $^{-1}$	1.34E-15	86%	2.51E-19	<1%	0.00E+00	0 %	2.18E-16	14%	2.10E-19	<1%
	Air toxicity	3.53E+06	m^3	5.58E+05	16%	2.85E+03	<1%	0.00E+00	0 %	2.97E+06	84%	2.38E+03	<1%
	Water toxicity	1.58E+00	m^3	4.74E-01	30%	2.03E-03	<1%	0.00E+00	0 %	1.11E+00	70%	1.70E-03	<1%
	Hazardous waste production	3.33E-01	kg	2.23E-02	7%	5.42E-06	<1%	0.00E+00	0 %	3.10E-01	93%	4.53E-06	<1%

The environmental impacts of the Reference Product are representative of thh catalog number covered by the PEP, which therefore constitute a homogeneous environmental family. Their impacts are the same.

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-2013-121-v1-en	Drafting rule: PEP–PCR–ed 2.1-FR-2012 12 11
Authorization number of checker: VH02	Program information: www.pep-ecopassport.org
Date of issue: 07-2013	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 program	