Product Environmental Profile

Prise RJ45 Cat 6 Mosaic

LEGRAND

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PEP ecoPASSPORT®

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 connection RJ45 cat.6-FTP of the end-user multimedia network functions (voice, data, images) of the building for a period of 20 years.
Reference Product	
	Cat.Nos 0 765 65 Socket - 0 788 02 Plate - 0 802 51 Frame.
	DATA SOCKET MOSAIC - RJ 45 CAT.6 - FTP - WHITE.

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
• 0 765 61 - 0 765 62 - 0 765 81 - 0 765 82 = Socket 1M cat 6_077070 Blank
• 0 765 64 - 0 765 22 - 0 765 23 - 0 765 91 - 0 765 92 - 0 765 03 - 0 765 05 = Socket 2M cat 6
• 0 765 51 - 0 765 52 - 0 765 54 - 0 765 55 - 0 765 01 = Socket 2M cat 5e
• 5 723 02
• 5 723 03
• 5 723 04
• 5 723 14
• 5 723 15
• 5 723 16
• 5 723 22
• 5 723 54
• 5 723 55

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CONSTITUENT MATERIALS

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

It does not contain substances covered by the RoHS Directive (2002/95/EC and its revision 2011/65/EC). It contains none of the 138 candidate list of the REACH regulation dated 19/12/2012.

Total weight of Reference Product	**76 g** (with unit packaging)				

Plastics as % of weight		Metals as % of weight		Other as % of weight	
PC	**33.4%**	Steel	**24.4%**	Electronic card	**1.1%**
ABS	**9.3%**	Copper alloys	**0.9%**		
PA	**8.9%**	Other metal	**0.1%**		
PET	**2.8%**				
PBT	**1.6%**			**Packaging as % of weight**	
PE	**0.9%**			Paper (packaging)	**15.9%**
PP	**<0.1%**			PVC (packaging)	**0.7%**
Total plastics	**56.9%**	**Total metals**	**25.4%**	**Total other and packaging**	**17.6%**

Estimated recycled material content: 23 % by mass.

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 1405 Kms 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 96 % (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

Development teams integrate product end-of-life factors in the design phase. Dismantling and sorting of components or materials is made as easy as possible with a view to recycling or failing that, 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 pre-validate the effective use of this channel for end-of-life electrical and electronic products.

Separated into:
- plastic materials (excluding packaging) : 54 %
- metal materials (excluding packaging) : 25 %
- other materials (excluding packaging) : 0 %
- packaging (all types of materials) : 16 %

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: not continuous operation for 20 years at 100% of rated load (power dissipation 16,7 µW) for 30% of the time. This modeling time is not a minimum durability 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 and its database «Legrand-2012-08-22 version 2» made from the 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	5,29E+02	$g\sim CO_2$ eq.	5,13E+02	97%	1,27E+01	2%	0,00E+00	0%	5,07E-01	< 1%	3,80E+00	< 1%
	Ozone depletion	4,28E-05	$g\sim CFC\text{-}11$ eq.	3,39E-05	79%	8,95E-06	21%	0,00E+00	0%	2,75E-08	< 1%	7,20E-09	< 1%
	Water eutrophication	8,91E-02	$g\sim PO_4^{3-}$eq.	8,89E-02	100%	2,10E-04	< 1%	0,00E+00	0%	1,19E-06	< 1%	7,06E-06	< 1%
	Photochemical ozone creation	2,10E-01	$g\sim C_2H_4$ eq.	1,98E-01	94%	1,10E-02	5%	0,00E+00	0%	1,77E-04	< 1%	8,47E-04	< 1%
	Air acidification	7,37E-02	$g\sim H+$ eq.	7,13E-02	97%	1,61E-03	2%	0,00E+00	0%	6,81E-05	< 1%	7,06E-04	< 1%
	Total energy depletion	8,70E+00	MJ	8,48E+00	97%	1,60E-01	2%	0,00E+00	0%	1,00E-02	< 1%	5,36E-02	< 1%
	Water depletion	3,60E+00	dm^3	3,58E+00	100%	1,52E-02	< 1%	0,00E+00	0%	1,45E-03	< 1%	3,95E-04	< 1%

Optional indicators	Raw material depletion	5,76E-16	$year^{-1}$	5,75E-16	100%	2,18E-19	< 1%	0,00E+00	0%	1,14E-20	< 1%	7,77E-20	< 1%
	Air toxicity	1,01E+05	m^3	9,74E+04	97%	2,38E+03	2%	0,00E+00	0%	8,41E+01	< 1%	1,05E+03	1%
	Water toxicity	2,50E-01	m^3	2,46E-01	99%	1,76E-03	< 1%	0,00E+00	0%	1,46E-04	< 1%	1,62E-03	< 1%
	Hazardous waste production	6,61E-03	kg	6,60E-03	100%	4,71E-06	< 1%	0,00E+00	0%	8,41E-06	< 1%	4,70E-09	< 1%

The environmental impacts of the Reference Product are representative of the products covered by the PEP, which therefore constitute a homgeneous environmental family.

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.