

Product Environmental Profile

Excel Life
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LEGRAND'S ENVIRONMENTAL COMMITMENTS

• Incorporate environmental management into our industrial sites

Of all Legrand sites worldwide, over 85% are ISO 14001-certified (sites belonging to the Group for more than five years).

• Offer our customers environmentally friendly solutions

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

• Involve the environment in product design and provide informations in compliance with ISO 14025

Reduce the environmental impact of products over their whole life cycle.

Provide our customers with all relevant information (composition, consumption, end of life, etc.).



REFERENCE PRODUCT

Function	Put in standby a wiring device powerpoint by closing the hole in the support for 20 years (lessens potential damage to walls by providing a small channel for paint ingress).
Reference Product	
	Cat.No EC770/0GPLWE
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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 is representative of the following products:

Catalogue Numbers		
• 0 gang		
EC770/0GPLWE	ED770/0GPLWE	ES770/0GPLWE
• 1 gang		
EC770/1GPLWE	ED770/1GPLWE	ES770/1GPLWE
• 2 gang		
EC770/2GPLWE	ED770/2GPLWE	ES770/2GPLWE
• 3 gang		
EC770/3GPLWE	ED770/3GPLWE	ES770/3GPLWE
• 4 gang		
EC770/4GPLWE	ED770/4GPLWE	ES770/4GPLWE
• 5 gang		
EC770/5GPLWE	ED770/5GPLWE	ES770/5GPLWE
• 6 gang		
EC770/6GPLWE	ED770/6GPLWE	ES770/6GPLWE

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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 respects the restrictions on use of hazardous substances as defined in the RoHS directive 2011/65/EU amended by delegated directive (EU) 2015/863, and its amendment 2017/2102/EU.

Total weight of Reference Product		64 g (all packaging included)			
Plastics as % of weight		Metals as % of weight		Other as % of weight	
PC	65.7 %	Steel	6.6 %		
PP	0.8 %				
Packaging as % of weight					
PE	2.6 %			Paper	24.3 %
Total plastics	69.1 %	Total metals	6.6 %	Total others	24.3 %

Estimated recycled material content: 21 % by mass.



■ MANUFACTURE

This Reference Product comes from a site that has 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 1048 Km by road from our warehouse to the local point of distribution into the market in Australia.

Packaging is compliant with applicable regulation. At their end of life, its recyclability rate is 90 % (in % of packaging weight).



■ INSTALLATION

For the installation of the product, only standard tools are needed.



■ USE

Under normal conditions of use, this product requires no servicing, no maintenance or additional products.

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END OF LIFE

The product end of life factors are taken into account during 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 94 %. 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 the end of life of this product.

Separated into:

- plastic materials (excluding packaging) : 63 %
- metal materials (excluding packaging) : 7 %
- packaging (all types of materials) : 24 %



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 Australia.

For each phase, the following modelling elements were taken in account:

Manufacture	Materials and components of the product, all transport for the manufacturing, the packaging and the waste generated by the manufacturing.
Distribution	Transport between the last Group distribution centre and an average delivery point in the sales area.
Installation	The end of life of the packaging.
Use	• Use scenario: no energy consumption during the 20 years working life. This modelling duration does not constitute a minimum durability requirement. • Energy model: Electricity Mix; Australia - 2009.
End of life	The default end of life scenario maximizing the impacts.
Software and database used	EIME & database CODDE-2018-11

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SELECTION OF ENVIRONMENTAL IMPACTS

	Total for Life cycle		Raw material and manufacture		Distribution		Installation		Use		End of life	
Global warming	3.60E-01	kgCO ₂ eq.	3.50E-01	97 %	3.33E-03	< 1 %	1.16E-03	< 1 %	0.00E+00	0 %	5.36E-03	1 %
Ozone depletion	1.51E-08	kgCFC-11 eq.	1.49E-08	99 %	6.74E-12	< 1 %	1.17E-11	< 1 %	0.00E+00	0 %	1.32E-10	< 1 %
Acidification of soils and water	7.24E-04	kgSO ₂ eq.	6.83E-04	94 %	1.49E-05	2 %	5.49E-06	< 1 %	0.00E+00	0 %	2.05E-05	3 %
Water eutrophication	2.24E-03	kg[PO ₄] ³⁻ eq.	2.21E-03	99 %	3.44E-06	< 1 %	5.96E-06	< 1 %	0.00E+00	0 %	2.40E-05	1 %
Photochemical ozone formation	6.74E-05	kgC ₂ H ₄ eq.	6.43E-05	95 %	1.06E-06	2 %	3.93E-07	< 1 %	0.00E+00	0 %	1.60E-06	2 %
Depletion of abiotic resources - elements	4.15E-06	kgSb eq.	4.15E-06	100 %	1.33E-10	< 1 %	5.48E-11	< 1 %	0.00E+00	0 %	3.39E-10	< 1 %
Total use of primary energy	6.40E+00	MJ	6.28E+00	98 %	4.70E-02	< 1 %	1.54E-02	< 1 %	0.00E+00	0 %	5.88E-02	< 1 %
Net use of fresh water	2.00E-02	m ³	2.00E-02	100 %	2.98E-07	< 1 %	4.78E-07	< 1 %	0.00E+00	0 %	4.55E-06	< 1 %
Depletion of abiotic resources - fossil fuels	4.97E+00	MJ	4.86E+00	98 %	4.67E-02	< 1 %	1.48E-02	< 1 %	0.00E+00	0 %	5.28E-02	1 %
Water pollution	1.26E+02	m ³	1.25E+02	99 %	5.47E-01	< 1 %	1.72E-01	< 1 %	0.00E+00	0 %	6.13E-01	< 1 %
Air pollution	2.00E+01	m ³	1.91E+01	96 %	1.36E-01	< 1 %	1.46E-01	< 1 %	0.00E+00	0 %	6.19E-01	3 %

The values of the 27 impacts defined in the PCR-ed3-EN-2015 04 02 are available in the digital database of pep-ecopassport.org website.

For products covered by the PEP other than the Reference Product, the environmental impacts of each phase of the lifecycle are obtained by adopting the following coefficients:

SUM		Manufacturing		Distribution		Installation	Use	End of life	
1/2/3/4/5 gang	6 gang	1/2/3/4/5 gang	6 gang	1/2/3/4/5 gang	6 gang	1/2/3/4/5/6 gang	1/2/3/4/5/6 gang	1/2 gang	3/4/5 gang
1.1	1	1.1	1	1.1	1	1	NA	1.2	1.1

Registration number: LGRP-01369-V01.01-EN	Drafting rules: «PEP-PCR-ed3-EN-2015 04 02»
Verifier accreditation N°: VH23	Information and reference documents: www.pep-ecopassport.org
Date of issue: 06-2021	Validity period: 5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010	
Internal ☒ External ☐	
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»	
Environmental data in alignment with EN 15804: 2012 + A1 : 2013	



