

Product Environmental Profile

Flush mounting electrical box 4x2 for masonry - Black



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.

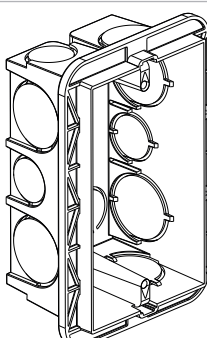
• **Involve the environment in product design and provide informations in compliance with ISO 14025**

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	Protect people from direct contact with live active parts and ensure the grouping of control, command and protection devices in a single enclosure having the following dimensions 120 x 78 x 48mm, with rated current 20A for the reference service life of the product of 20 years. Product comply with the ABNT NBR 5431 standard.
Reference Product	
	Cat. No LG-689044
	Flush mounting electrical box 4x2 for masonry - Black

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:

References for Masonry	References for Drywall
• 689044 • 689045 • 689034 • 689035	• 689024 • 689025

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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		0.033 kg (all packaging included)			
Product alone weight 0.026 kg					
Plastics as % of weight		Metals as % of weight		Other as % of weight	
PP	79.2 %				
Packaging (alone) : 0.007 kg					
PE	0.9 %			Wood	19.9 %
				Paper	<0.1 %
Total plastics: 0.026kg	80.1 %	Total metals: 0 kg	0 %	Total others: 0.007 Kg	19.9 %

At the date of edition of this document, the content of recycled material(s) is :

- Product alone (excluding packaging): 97% by mass
- Packaging only: 0% by mass

For 689024 and 689025:

Total weight of Reference Product		0.044 kg (all packaging included)			
Product alone weight 0.032 Kg					
Plastics as % of weight		Metals as % of weight		Other as % of weight	
PP	61.7 %				
PA	11.9 %				
Packaging (alone): 0.012 Kg					
PE	2.1 %			Wood	14.9 %
				Cardboard	8.7 %
				Paper	0.7 %
Total plastics: 0.032 Kg	75.7 %	Total metals: 0 Kg	0 %	Total others: 0.012 Kg	24.3 %

At the date of edition of this document, the content of recycled material(s) is :

- Product alone (excluding packaging): 0% by mass
- Packaging only: 34% by mass

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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 775 km, by road from our warehouse to the local point of distribution into the market in Brazil.

Packaging is compliant with applicable regulation. At their end of life, its recyclability rate is 91% (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.



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.



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 Brazil.

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

System Limit	Manufacture A1-A3	Materials and components of the product, all transport for the manufacturing, the packaging and the waste generated by the manufacturing.
	Distribution A4	Transport between the last Group distribution centre and an average delivery point in the sales area.
	Installation A5	The end of life of the packaging.
	Use B1-B7	- Product category: Non-equipped enclosures and cabinets. - 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; Brazil - 2018
	End of life C1-C4	The default end of life scenario maximizing the impacts.
D Module		Module D is calculated according to PCR-ed4-EN-2021 09 06 based on the materials recycled and the modelled end-of-life scenario. It expresses the net benefits and burdens beyond the boundaries of the system, and are not to be included in the life cycle totals.
Software and data-base used		EIME V6 & its database CODDE-2023-02

Unless otherwise indicated the modelling energetic mix are those integrated in the data modules used from the aforementioned database.

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ENVIRONMENTAL IMPACTS

	Total Life Cycle		Manufacturing	Distribution	Installation	Use(*)			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Climate change - total	1,31E-01	kg CO ₂ eq.	4,71E-02	1,28E-03	1,20E-02	0,00E+00	0,00E+00	0,00E+00	7,05E-02	-2,47E-02
Climate change - fossil fuels	1,16E-01	kg CO ₂ eq.	4,29E-02	1,28E-03	1,51E-03	0,00E+00	0,00E+00	0,00E+00	7,05E-02	-2,52E-02
Climate change - biogenics	1,47E-02	kg CO ₂ eq.	4,18E-03	0,00E+00	1,05E-02	0,00E+00	0,00E+00	0,00E+00	3,81E-05	4,26E-04
Climate change - land use and land use transformation	3,22E-08	kg CO ₂ eq.	3,45E-09	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,87E-08	0,00E+00
Ozone depletion	2,15E-09	kg CFC-11 eq.	1,69E-09	1,97E-12	1,49E-11	0,00E+00	0,00E+00	0,00E+00	4,47E-10	0,00E+00
Acidification (AP)	2,16E-04	mole of H+ eq.	1,75E-04	8,12E-06	4,44E-06	0,00E+00	0,00E+00	0,00E+00	2,82E-05	-1,10E-04
Freshwater eutrophication	2,11E-07	kg P eq.	7,43E-08	4,81E-10	2,10E-10	0,00E+00	0,00E+00	0,00E+00	1,36E-07	-2,19E-07
Marine aquatic eutrophication	5,34E-05	kg of N eq.	4,06E-05	3,81E-06	1,61E-06	0,00E+00	0,00E+00	0,00E+00	7,43E-06	-1,82E-05
Terrestrial eutrophication	6,04E-04	mole of N eq.	4,42E-04	4,18E-05	2,01E-05	0,00E+00	0,00E+00	0,00E+00	9,97E-05	-1,98E-04
Photochemical ozone formation	1,82E-04	kg NMVOC eq.	1,44E-04	1,05E-05	4,43E-06	0,00E+00	0,00E+00	0,00E+00	2,28E-05	-5,49E-05
Depletion of abiotic resources - elements	5,70E-05	kg Sb eq.	5,70E-05	5,05E-11	-4,55E-10	0,00E+00	0,00E+00	0,00E+00	1,86E-09	-2,91E-10
Depletion of abiotic resources - fossil fuels	6,94E-01	MJ	6,14E-01	1,79E-02	8,52E-03	0,00E+00	0,00E+00	0,00E+00	5,29E-02	-6,85E-01
Water requirement	2,59E-02	m ³ deprivation worldwide eq.	1,10E-02	4,87E-06	1,26E-03	0,00E+00	0,00E+00	0,00E+00	1,37E-02	-1,16E-03
Emission of fine particles	2,06E-09	incidence of diseases	1,69E-09	6,61E-11	3,01E-11	0,00E+00	0,00E+00	0,00E+00	2,82E-10	-5,34E-10

(*) For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table
In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

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	Total Life Cycle		Manufacturing	Distribution	Installation	Use(*)			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Ionizing radiation, human health	9,12E-02	kBq of U235 eq.	8,93E-02	3,12E-06	2,34E-05	0,00E+00	0,00E+00	0,00E+00	1,84E-03	0,00E+00
Ecotoxicity (fresh water)	4,91E-01	CTUe	3,10E-01	8,64E-04	1,03E-03	0,00E+00	0,00E+00	0,00E+00	1,79E-01	-9,61E-04
Human toxicity, carcinogenic effects	1,16E-10	CTUh	1,14E-10	2,25E-14	1,59E-13	0,00E+00	0,00E+00	0,00E+00	1,69E-12	-7,56E-09
Human toxicity, non-carcinogenic effects	2,52E-10	CTUh	1,67E-10	2,44E-12	1,35E-11	0,00E+00	0,00E+00	0,00E+00	6,93E-11	-6,61E-11
Impacts related to land use/soil quality	5,82E-02	-	1,21E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	4,61E-02	0,00E+00
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	5,61E-02	MJ	5,41E-02	2,39E-05	1,09E-04	0,00E+00	0,00E+00	0,00E+00	1,81E-03	-6,83E-03
Use of renewable primary energy resources used as raw materials	1,51E-01	MJ	1,51E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	2,07E-01	MJ	2,05E-01	2,39E-05	1,09E-04	0,00E+00	0,00E+00	0,00E+00	1,81E-03	-6,83E-03
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	6,47E-01	MJ	5,68E-01	1,79E-02	8,52E-03	0,00E+00	0,00E+00	0,00E+00	5,29E-02	-4,62E-01
Use of non-renewable primary energy resources used as raw materials	4,66E-02	MJ	4,66E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-2,23E-01
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	6,94E-01	MJ	6,14E-01	1,79E-02	8,52E-03	0,00E+00	0,00E+00	0,00E+00	5,29E-02	-6,85E-01

(*) For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table
In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

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	Total Life Cycle		Manufacturing	Distribution	Installation	Use(*)			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Use of secondary materials	2,82E-02	kg	2,82E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels	0,00E+00	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non-renewable secondary fuels	0,00E+00	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water	6,04E-04	m³	2,56E-04	1,13E-07	2,94E-05	0,00E+00	0,00E+00	0,00E+00	3,18E-04	-2,70E-05
Hazardous waste disposed of	2,63E-02	kg	2,27E-04	0,00E+00	-1,47E-06	0,00E+00	0,00E+00	0,00E+00	2,61E-02	-1,75E-04
Non-hazardous waste disposed of	1,18E-01	kg	8,73E-02	4,50E-05	7,25E-03	0,00E+00	0,00E+00	0,00E+00	2,37E-02	-2,57E-04
Radioactive waste disposed of	5,65E-05	kg	5,49E-05	3,21E-08	2,43E-07	0,00E+00	0,00E+00	0,00E+00	1,30E-06	0,00E+00
Components for re-use	0,00E+00	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling	5,82E-03	kg	6,24E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	5,20E-03	0,00E+00
Materials for energy recovery	0,00E+00	MJ by energy vector	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported energy	0,00E+00	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of primary energy during the life cycle	9,01E-01	MJ	8,20E-01	1,79E-02	8,62E-03	0,00E+00	0,00E+00	0,00E+00	5,47E-02	-6,91E-01
Biogenic carbon content of the product	0,00E+00	kg of C	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Biogenic carbon content of the associated packaging	2,58E-03	kg of C	2,58E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

(*) For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table
In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

The values of the indicators defined in the PCR-ed4-EN-2021 09 06 are available in the digital database of pep-ecopassport.org website.

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For each product 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 on those of the Reference Product:

Associated references	Coefficient of extrapolation of environmental indicators						
		Total life Cycle	Manufacturing	Distribution	Installation	Use	End of life
689045	Climate change - total	1,6	1,5	1,6	2,3	0,0	1,5
	Climate change - fossil fuels	2,1	1,6	0,0	2,3	0,0	1,5
	Climate change - biogenics	1,5	1,5	1,6	2,1	0,0	1,5
	Climate change - land use and land use transformation	1,5	1,5	0,0	0,0	0,0	1,5
	Ozone depletion	1,6	1,7	1,6	2,3	0,0	1,5
	Acidification (AP)	1,6	1,5	1,6	2,3	0,0	1,5
	Freshwater eutrophication	1,5	1,5	1,6	2,3	0,0	1,5
	Marine aquatic eutrophication	1,6	1,6	1,6	2,3	0,0	1,5
	Terrestrial eutrophication	1,6	1,6	1,6	2,3	0,0	1,5
	Photochemical ozone formation	1,6	1,6	1,6	2,3	0,0	1,5
	Depletion of abiotic resources - elements	1,4	1,4	1,6	2,3	0,0	1,5
	Depletion of abiotic resources - fossil fuels	1,5	1,5	1,6	2,3	0,0	1,5
	Water requirement	1,5	1,5	1,6	2,3	0,0	1,5
	Emission of fine particles	1,5	1,5	1,6	2,3	0,0	1,5
	Ionizing radiation, human health	1,9	1,9	1,6	2,3	0,0	1,5
	Ecotoxicity (fresh water)	1,5	1,6	1,6	2,3	0,0	1,5
	Human toxicity, carcinogenic effects	1,6	1,6	1,6	2,3	0,0	1,5
	Human toxicity, non-carcinogenic effects	1,5	1,5	1,6	2,3	0,0	1,5
	Impacts related to land use/soil quality	1,5	1,5	0,0	0,0	0,0	1,5
	Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	1,5	1,5	1,6	2,3	0,0	1,5
	Use of renewable primary energy resources used as raw materials	2,2	2,2	0,0	0,0	0,0	0,0
	Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	2,0	2,0	1,6	2,3	0,0	1,5
	Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	1,5	1,5	1,6	2,3	0,0	1,5
	Use of non-renewable primary energy resources used as raw materials	1,7	1,7	0,0	0,0	0,0	0,0
	Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	1,5	1,5	1,6	2,3	0,0	1,5
	Use of secondary materials	1,5	1,5	0,0	0,0	0,0	0,0
	Use of renewable secondary fuels	0,0	0,0	0,0	0,0	0,0	0,0
	Use of non-renewable secondary fuels	0,0	0,0	0,0	0,0	0,0	0,0
	Net use of fresh water	1,5	1,5	1,6	2,3	0,0	1,5
	Hazardous waste disposed of	1,5	1,6	0,0	2,3	0,0	1,5
	Non-hazardous waste disposed of	1,5	1,5	1,6	2,3	0,0	1,5
	Radioactive waste disposed of	1,5	1,5	1,6	2,3	0,0	1,5
	Components for re-use	0,0	0,0	0,0	0,0	0,0	0,0
	Materials for recycling	1,5	1,5	0,0	0,0	0,0	1,5
	Materials for energy recovery	0,0	0,0	0,0	0,0	0,0	0,0
	Exported energy	0,0	0,0	0,0	0,0	0,0	0,0
	Total use of primary energy during the life cycle	1,6	1,6	1,6	2,3	0,0	1,5
	Biogenic carbon content of the product	0,0	0,0	0,0	0,0	0,0	0,0
	Biogenic carbon content of the associated packaging	2,3	2,3	0,0	0,0	0,0	0,0

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Associated references	Coefficient of extrapolation of environmental indicators						
		Total life Cycle	Manufacturing	Distribution	Installation	Use	End of life
689024	Climate change - total	2,2	3,6	1,3	1,5	0,0	1,3
	Climate change - fossil fuels	1,5	1,7	0,0	1,4	0,0	1,0
	Climate change - biogenics	2,2	3,8	1,3	2,6	0,0	1,3
	Climate change - land use and land use transformation	1,0	1,0	0,0	0,0	0,0	1,0
	Ozone depletion	3,0	3,6	1,3	1,3	0,0	1,1
	Acidification (AP)	3,3	3,8	1,3	1,6	0,0	1,2
	Freshwater eutrophication	17,8	48,7	1,3	1,6	0,0	1,0
	Marine aquatic eutrophication	3,5	4,2	1,3	1,8	0,0	1,2
	Terrestrial eutrophication	2,7	3,2	1,3	1,7	0,0	1,2
	Photochemical ozone formation	2,9	3,3	1,3	1,7	0,0	1,2
	Depletion of abiotic resources - elements	1,4	1,4	1,3	4,1	0,0	1,0
	Depletion of abiotic resources - fossil fuels	6,1	6,7	1,3	1,6	0,0	1,2
	Water requirement	4,0	7,8	1,3	1,6	0,0	1,1
	Emission of fine particles	2,8	3,1	1,3	1,5	0,0	1,2
	Ionizing radiation, human health	15,9	16,2	1,3	1,3	0,0	1,1
	Ecotoxicity (fresh water)	16,4	25,3	1,3	6,6	0,0	1,1
	Human toxicity, carcinogenic effects	2,2	2,2	1,3	1,1	0,0	1,1
	Human toxicity, non-carcinogenic effects	3,3	4,3	1,3	1,1	0,0	1,2
	Impacts related to land use/soil quality	1,3	2,1	0,0	0,0	0,0	1,0
	Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	1,3	1,3	1,3	-1,4	0,0	1,1
	Use of renewable primary energy resources used as raw materials	1,1	1,1	0,0	0,0	0,0	0,0
	Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	1,1	1,1	1,3	-1,4	0,0	1,1
	Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	4,2	4,6	1,3	1,6	0,0	1,2
	Use of non-renewable primary energy resources used as raw materials	32,3	32,3	0,0	0,0	0,0	0,0
	Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	6,1	6,7	1,3	1,6	0,0	1,2
	Use of secondary materials	0,1	0,1	0,0	0,0	0,0	0,0
	Use of renewable secondary fuels	0,0	0,0	0,0	0,0	0,0	0,0
	Use of non-renewable secondary fuels	0,0	0,0	0,0	0,0	0,0	0,0
	Net use of fresh water	4,0	7,8	1,3	1,6	0,0	1,1
	Hazardous waste disposed of	1,3	11,3	0,0	7,7	0,0	1,2
	Non-hazardous waste disposed of	1,1	1,1	1,3	1,7	0,0	1,3
	Radioactive waste disposed of	1,1	1,1	1,3	1,3	0,0	1,2
	Components for re-use	0,0	0,0	0,0	0,0	0,0	0,0
	Materials for recycling	1,0	1,0	0,0	0,0	0,0	1,0
	Materials for energy recovery	0,0	0,0	0,0	0,0	0,0	0,0
	Exported energy	0,0	0,0	0,0	0,0	0,0	0,0
	Total use of primary energy during the life cycle	5,0	5,3	1,3	1,5	0,0	1,2
	Biogenic carbon content of the product	0,0	0,0	0,0	0,0	0,0	0,0
	Biogenic carbon content of the associated packaging	1,5	1,5	0,0	0,0	0,0	0,0

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Associated references	Coefficient of extrapolation of environmental indicators						
		Total life Cycle	Manufacturing	Distribution	Installation	Use	End of life
689025	Climate change - total	3,9	6,7	2,3	3,0	0,0	2,2
	Climate change - fossil fuels	2,8	2,8	0,0	2,8	0,0	1,7
	Climate change - biogenics	4,0	7,1	2,3	4,8	0,0	2,2
	Climate change - land use and land use transformation	1,7	1,7	0,0	0,0	0,0	1,7
	Ozone depletion	6,1	7,3	2,3	2,5	0,0	1,9
	Acidification (AP)	6,3	7,2	2,3	3,2	0,0	2,0
	Freshwater eutrophication	32,5	89,4	2,3	3,2	0,0	1,7
	Marine aquatic eutrophication	6,5	7,9	2,3	3,5	0,0	2,0
	Terrestrial eutrophication	5,0	5,9	2,3	3,4	0,0	2,1
	Photochemical ozone formation	5,3	6,1	2,3	3,4	0,0	2,0
	Depletion of abiotic resources - elements	2,2	2,2	2,3	8,1	0,0	1,7
	Depletion of abiotic resources - fossil fuels	10,9	12,1	2,3	3,1	0,0	2,1
	Water requirement	7,1	14,1	2,3	3,2	0,0	1,9
	Emission of fine particles	5,0	5,7	2,3	2,9	0,0	1,9
	Ionizing radiation, human health	25,2	25,7	2,3	2,5	0,0	1,8
	Ecotoxicity (fresh water)	32,7	50,7	2,3	13,0	0,0	1,7
	Human toxicity, carcinogenic effects	4,0	4,1	2,3	2,1	0,0	1,9
	Human toxicity, non-carcinogenic effects	6,4	8,7	2,3	2,2	0,0	2,0
	Impacts related to land use/soil quality	2,0	3,4	0,0	0,0	0,0	1,7
	Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	2,0	2,1	2,3	-2,7	0,0	1,8
	Use of renewable primary energy resources used as raw materials	2,0	2,0	0,0	0,0	0,0	0,0
	Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	2,0	2,1	2,3	-2,7	0,0	1,8
	Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	7,8	8,6	2,3	3,1	0,0	2,1
	Use of non-renewable primary energy resources used as raw materials	54,1	54,1	0,0	0,0	0,0	0,0
	Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	10,9	12,1	2,3	3,1	0,0	2,1
	Use of secondary materials	0,3	0,3	0,0	0,0	0,0	0,0
	Use of renewable secondary fuels	0,0	0,0	0,0	0,0	0,0	0,0
	Use of non-renewable secondary fuels	0,0	0,0	0,0	0,0	0,0	0,0
	Net use of fresh water	7,1	14,1	2,3	3,2	0,0	1,9
	Hazardous waste disposed of	2,3	27,9	0,0	15,1	0,0	2,1
	Non-hazardous waste disposed of	1,9	1,8	2,3	3,4	0,0	2,2
	Radioactive waste disposed of	1,8	1,8	2,3	2,5	0,0	2,0
	Components for re-use	0,0	0,0	0,0	0,0	0,0	0,0
	Materials for recycling	1,7	1,7	0,0	0,0	0,0	1,7
	Materials for energy recovery	0,0	0,0	0,0	0,0	0,0	0,0
	Exported energy	0,0	0,0	0,0	0,0	0,0	0,0
	Total use of primary energy during the life cycle	8,9	9,6	2,3	3,0	0,0	2,1
	Biogenic carbon content of the product	0,0	0,0	0,0	0,0	0,0	0,0
	Biogenic carbon content of the associated packaging	2,9	2,9	0,0	0,0	0,0	0,0

Product Environmental Profile

Flush mounting electrical box 4x2 for masonry - Black



Associated references	Coefficient of extrapolation of environmental indicators						
		Total life Cycle	Manufacturing	Distribution	Installation	Use	End of life
689034	Climate change - total	1,3	1,9	1,0	1,0	0,0	1,0
	Climate change - fossil fuels	1,1	1,4	0,0	1,0	0,0	1,0
	Climate change - biogenics	1,4	2,0	1,0	1,0	0,0	1,0
	Climate change - land use and land use transformation	1,0	1,0	0,0	0,0	0,0	1,0
	Ozone depletion	1,5	1,7	1,0	1,0	0,0	1,0
	Acidification (AP)	1,5	1,6	1,0	1,0	0,0	1,0
	Freshwater eutrophication	7,9	20,7	1,0	1,0	0,0	1,0
	Marine aquatic eutrophication	1,3	1,4	1,0	1,0	0,0	1,0
	Terrestrial eutrophication	1,3	1,4	1,0	1,0	0,0	1,0
	Photochemical ozone formation	1,6	1,7	1,0	1,0	0,0	1,0
	Depletion of abiotic resources - elements	1,0	1,0	1,0	1,0	0,0	1,0
	Depletion of abiotic resources - fossil fuels	3,9	4,3	1,0	1,0	0,0	1,0
	Water requirement	2,4	4,4	1,0	1,0	0,0	1,0
	Emission of fine particles	1,7	1,9	1,0	1,0	0,0	1,0
	Ionizing radiation, human health	11,0	11,2	1,0	1,0	0,0	1,0
	Ecotoxicity (fresh water)	1,4	1,6	1,0	1,0	0,0	1,0
	Human toxicity, carcinogenic effects	1,0	1,0	1,0	1,0	0,0	1,0
	Human toxicity, non-carcinogenic effects	1,7	2,0	1,0	1,0	0,0	1,0
	Impacts related to land use/soil quality	1,2	2,0	0,0	0,0	0,0	1,0
	Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	1,2	1,2	1,0	1,0	0,0	1,0
	Use of renewable primary energy resources used as raw materials	1,0	1,0	0,0	0,0	0,0	0,0
	Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	1,1	1,1	1,0	1,0	0,0	1,0
	Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	2,2	2,4	1,0	1,0	0,0	1,0
	Use of non-renewable primary energy resources used as raw materials	27,1	27,1	0,0	0,0	0,0	0,0
	Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	3,9	4,3	1,0	1,0	0,0	1,0
	Use of secondary materials	0,0	0,0	0,0	0,0	0,0	0,0
	Use of renewable secondary fuels	0,0	0,0	0,0	0,0	0,0	0,0
	Use of non-renewable secondary fuels	0,0	0,0	0,0	0,0	0,0	0,0
	Net use of fresh water	2,4	4,4	1,0	1,0	0,0	1,0
	Hazardous waste disposed of	1,0	1,3	0,0	1,0	0,0	1,0
	Non-hazardous waste disposed of	1,0	1,0	1,0	1,0	0,0	1,0
	Radioactive waste disposed of	1,0	1,0	1,0	1,0	0,0	1,0
	Components for re-use	0,0	0,0	0,0	0,0	0,0	0,0
	Materials for recycling	1,0	1,0	0,0	0,0	0,0	1,0
	Materials for energy recovery	0,0	0,0	0,0	0,0	0,0	0,0
	Exported energy	0,0	0,0	0,0	0,0	0,0	0,0
	Total use of primary energy during the life cycle	3,2	3,5	1,0	1,0	0,0	1,0
	Biogenic carbon content of the product	0,0	0,0	0,0	0,0	0,0	0,0
	Biogenic carbon content of the associated packaging	1,0	1,0	0,0	0,0	0,0	0,0

Product Environmental Profile

Flush mounting electrical box 4x2 for masonry - Black



Associated references	Coefficient of extrapolation of environmental indicators						
		Total life Cycle	Manufacturing	Distribution	Installation	Use	End of life
689035	Climate change - total	2,0	2,8	1,6	2,3	0,0	1,4
	Climate change - fossil fuels	2,2	2,0	0,0	2,3	0,0	1,4
	Climate change - biogenics	1,9	2,9	1,6	2,1	0,0	1,4
	Climate change - land use and land use transformation	1,4	1,4	0,0	0,0	0,0	1,4
	Ozone depletion	2,3	2,5	1,6	2,3	0,0	1,4
	Acidification (AP)	2,4	2,6	1,6	2,3	0,0	1,4
	Freshwater eutrophication	10,8	28,2	1,6	2,3	0,0	1,4
	Marine aquatic eutrophication	2,3	2,6	1,6	2,3	0,0	1,4
	Terrestrial eutrophication	2,3	2,6	1,6	2,3	0,0	1,4
	Photochemical ozone formation	2,6	2,9	1,6	2,3	0,0	1,4
	Depletion of abiotic resources - elements	1,4	1,4	1,6	2,3	0,0	1,4
	Depletion of abiotic resources - fossil fuels	5,6	6,1	1,6	2,3	0,0	1,4
	Water requirement	3,4	6,0	1,6	2,3	0,0	1,4
	Emission of fine particles	2,6	2,8	1,6	2,3	0,0	1,4
	Ionizing radiation, human health	15,5	15,8	1,6	2,3	0,0	1,4
	Ecotoxicity (fresh water)	1,9	2,3	1,6	2,3	0,0	1,4
	Human toxicity, carcinogenic effects	1,6	1,6	1,6	2,3	0,0	1,4
	Human toxicity, non-carcinogenic effects	2,4	2,9	1,6	2,3	0,0	1,4
	Impacts related to land use/soil quality	1,7	2,8	0,0	0,0	0,0	1,4
	Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	1,6	1,7	1,6	2,3	0,0	1,4
	Use of renewable primary energy resources used as raw materials	2,2	2,2	0,0	0,0	0,0	0,0
	Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	2,0	2,0	1,6	2,3	0,0	1,4
	Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	3,3	3,5	1,6	2,3	0,0	1,4
	Use of non-renewable primary energy resources used as raw materials	37,1	37,1	0,0	0,0	0,0	0,0
	Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	5,6	6,1	1,6	2,3	0,0	1,4
	Use of secondary materials	0,0	0,0	0,0	0,0	0,0	0,0
	Use of renewable secondary fuels	0,0	0,0	0,0	0,0	0,0	0,0
	Use of non-renewable secondary fuels	0,0	0,0	0,0	0,0	0,0	0,0
	Net use of fresh water	3,4	6,0	1,6	2,3	0,0	1,4
	Hazardous waste disposed of	1,4	2,0	0,0	2,3	0,0	1,4
	Non-hazardous waste disposed of	1,4	1,4	1,6	2,3	0,0	1,4
	Radioactive waste disposed of	1,4	1,4	1,6	2,3	0,0	1,4
	Components for re-use	0,0	0,0	0,0	0,0	0,0	0,0
	Materials for recycling	1,4	1,4	0,0	0,0	0,0	1,4
	Materials for energy recovery	0,0	0,0	0,0	0,0	0,0	0,0
	Exported energy	0,0	0,0	0,0	0,0	0,0	0,0
	Total use of primary energy during the life cycle	4,7	5,1	1,6	2,3	0,0	1,4
	Biogenic carbon content of the product	0,0	0,0	0,0	0,0	0,0	0,0
	Biogenic carbon content of the associated packaging	2,3	2,3	0,0	0,0	0,0	0,0

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Internal ☐ External ☒

The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain)

PEP are compliant with XP C08-100-1 :2016 or EN 50693 :2019

The elements of the present PEP cannot be compared with elements from another program

Document in compliance with ISO 14025 : 2006: «Environmental labels and declarations.
Type III environmental declarations»



Environmental data in alignment with EN 15804: 2012 + A2 : 2019