

Product Environmental Profile

T1 series wire duct (T1, T1-D, T1-EN, T1-N, T1-F, T1-EF, T1-E, TD, TPD)



Company information

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A question concerning the Product Environmental Profile:
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References covered

T1 series all dimensions and colors (T1, T1-D, T1-EN, T1-N, T1-F, T1-EF, T1-E, TD, TPD)

Methodology

PEP has been performed according to the PCR version PEP-PCR-ed3-2015 04 02 and PSR version PSR-0003-ed1.1-2015 10 16 issued by the PEP ecopassport program.

For further information, please see the website of the program www.pep-ecopassport.org

Reference product

Reference product identification

T1 series wire duct - T1 60x60 (B00180)

PSR product Category :

Slotted cable trunking systems for cabinets

Functional unit

Accomodate and protect the wiring along 1 meter for a reference life time of 20 years. The Slotted cable trunking system for cabinets with cross section 3180 mm² includes the profile and accessories that are representative of standard use

The functional unit is based on the use scenario recommended by the PCR for the category of the reference product.

Materials and substances

All useful measures have been adopted to ensure that the materials used in the composition of the product do not contain any substances banned by the legislation in force at the time of marketing.

Plastics			Metals			Others		
	g	%		g	%		g	%
PVC	567.50	94.1%				Cardboard + Paper	35.58	5.9%
						Other	0.02	<0.1%
Total mass of reference product :				602.99 g				

Manufacturing

These products are manufactured by a site that has received an environmental certification ISO 14001.

Distribution

The packaging has been designed in accordance with current regulations. In particular, the European directive 94/62/CE relative to packaging and packaging waste.

The used packaging is 100% recyclable or recoverable.

Packaging and logistic flows are continuously improved in order to reduce their impact.

Installation

Installation processes

The processes to install the product are not considered in this study because of their weak impact compared to the other life cycles steps.

Installation elements (non delivered with the product)

Elements non delivered with the product and needed to install the product are not considered.

Use

For the considered scenario, the product has no energy consumption.

Energy model of the use phase :

None

Consumables and maintenance :

None

End of life

Considering the complexity and the lack of knowledge of the electric and electronic recycling channel and processes, the standard scenario set in the PCR is considered.

The recycling potential of the product is: 3%. The calculation of this rate is based on the method of the IEC/TR 62635.

Environmental impacts

Evaluation of the environmental impact covers the following life cycle stages: raw materials + manufacturing (RMM), distribution (D), installation (I), use (U) and end of life (EoL).

All calculations are done with EIME software version 5.9.3 with the database version CODDE-2022-01 .

PEP representative of the covered products marketed in: Europe

Energy models considered for each phase

Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL
Europe	-	Europe	-	Europe

Environmental impact indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Global Warming	kg CO ₂ eq.	2.39E+00	1.05E-01	2.20E-03	0.00E+00	6.81E-02	2.56E+00
Ozone Depletion	kg CFC-11 eq.	2.39E-07	2.13E-10	1.50E-11	0.00E+00	1.74E-09	2.41E-07
Acidification of soil and water	kg SO ₂ eq.	4.70E-03	4.72E-04	1.08E-05	0.00E+00	2.59E-04	5.44E-03
Eutrophication	kg PO ₄ ³⁻ eq.	8.74E-04	1.08E-04	1.16E-05	0.00E+00	2.95E-04	1.29E-03
Photochemical Ozone Creation	kg C ₂ H ₄ eq.	4.44E-04	3.35E-05	7.62E-07	0.00E+00	2.02E-05	4.99E-04
Depletion of abiotic resources - elements	kg Sb eq	1.28E-05	4.20E-09	9.57E-11	0.00E+00	4.39E-09	1.28E-05
Depletion of abiotic resources – fossil fuels	MJ	2.92E+01	1.48E+00	2.94E-02	0.00E+00	6.63E-01	3.13E+01
Water Pollution	m ³	3.30E+02	1.73E+01	3.41E-01	0.00E+00	7.69E+00	3.55E+02
Air Pollution	m ³	2.50E+02	4.31E+00	2.79E-01	0.00E+00	8.08E+00	2.63E+02

Resource use indicators

Indicators	Unit	Manufacturing RMM	Distribution D	Installation I	Use U	End Of Life EoL	GLOBAL
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	2.14E+00	1.98E-03	3.46E-04	0.00E+00	1.87E-02	2.16E+00
Use of renewable primary energy resources as raw materials	MJ	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	MJ	2.14E+00	1.98E-03	3.46E-04	0.00E+00	1.87E-02	2.16E+00
Use of non-renewable primary energy, excluding non renewable primary energy resources used as raw materials	MJ	5.18E+01	1.48E+00	2.99E-02	0.00E+00	7.24E-01	5.40E+01
Use of non-renewable primary energy resources as raw materials	MJ	1.27E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+01
Total use of non renewable primary energy resources	MJ	6.45E+01	1.48E+00	2.99E-02	0.00E+00	7.24E-01	6.67E+01
Total use of primary energy	MJ	6.66E+01	1.49E+00	3.03E-02	0.00E+00	7.42E-01	6.89E+01
Use of secondary materials	kg	2.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-02
Use of renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net fresh water use	m ³	1.59E-01	9.40E-06	6.88E-07	0.00E+00	6.00E-05	1.59E-01

