



**T0 Switch with Flush Mount – 3, 4
Chambers**

Representative product	T0-4-15164/EA/SVB (Y7-008207) Product Category: Switches																						
Description of the product	Eaton's Switches are designed to establish and cut off the supply of an electrical circuit. These switches are flush mounted. These Switches have total 8 poles flush mount, Emergency Switching off Function, enhancing safety by allowing immediate shutdown in urgent situations.																						
Homogeneous Environmental Families Covered	The PEP concerns following product offerings from Eaton Moeller® series T0 switch disconnect, as mentioned below: <table> <tr> <td>T0-4-15164/EA/SVB (Y7-008207) (Reference):</td><td>T0-3-15159/EA/SVB (Y7-008119)</td></tr> <tr> <td>T0-3-15683/EA/SVB (Y7-015571)</td><td>T0-3-15259/EA/SVB (Y7-008128)</td></tr> <tr> <td>T0-3-15683/EA/SVB-SW (Y7-015600)</td><td>T0-3-15284/EA/SVB (Y7-008136)</td></tr> <tr> <td>T0-3-8901/EA/SVB (Y7-231932)</td><td>T0-3-15681/EA/SVB (Y7-086335)</td></tr> <tr> <td>T0-3-8342/EA/SVB (Y7-029382)</td><td>T0-4-15682/EA/SVB-SW (Y7-022265)</td></tr> <tr> <td>T0-3-8901/EA/SVB-SW (Y7-231933)</td><td>T0-4-22/EA/SVB (Y7-013810)</td></tr> <tr> <td>T0-3-8342/EA/SVB-SW (Y7-031755)</td><td>T0-4-15682/EA/SVB (Y7-019892)</td></tr> <tr> <td>T0-3-8341/EA/SVB-SW (Y7-008185)</td><td>T0-4-8344/EA/SVB (Y7-008267)</td></tr> <tr> <td>T0-3-12/EA/SVB (Y7-012263)</td><td>T0-4-8344/EA/SVB-SW (Y7-008268)</td></tr> <tr> <td>T0-3-15680/EA/SVB (Y7-038875)</td><td>T0-4-15700/EA/SVB (Y7-008235)</td></tr> <tr> <td>T0-3-15680/EA/SVB-SW (Y7-041248)</td><td>T0-4-8343/EA/SVB-SW (Y7-008262)</td></tr> </table> *[The product market is spread globally. Different scenarios are studied considering distribution in UK and outside Europe and separate extrapolation factors are given in this PEP considering Europe market as reference]	T0-4-15164/EA/SVB (Y7-008207) (Reference):	T0-3-15159/EA/SVB (Y7-008119)	T0-3-15683/EA/SVB (Y7-015571)	T0-3-15259/EA/SVB (Y7-008128)	T0-3-15683/EA/SVB-SW (Y7-015600)	T0-3-15284/EA/SVB (Y7-008136)	T0-3-8901/EA/SVB (Y7-231932)	T0-3-15681/EA/SVB (Y7-086335)	T0-3-8342/EA/SVB (Y7-029382)	T0-4-15682/EA/SVB-SW (Y7-022265)	T0-3-8901/EA/SVB-SW (Y7-231933)	T0-4-22/EA/SVB (Y7-013810)	T0-3-8342/EA/SVB-SW (Y7-031755)	T0-4-15682/EA/SVB (Y7-019892)	T0-3-8341/EA/SVB-SW (Y7-008185)	T0-4-8344/EA/SVB (Y7-008267)	T0-3-12/EA/SVB (Y7-012263)	T0-4-8344/EA/SVB-SW (Y7-008268)	T0-3-15680/EA/SVB (Y7-038875)	T0-4-15700/EA/SVB (Y7-008235)	T0-3-15680/EA/SVB-SW (Y7-041248)	T0-4-8343/EA/SVB-SW (Y7-008262)
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Functional unit	Establish, support and interrupt the rated current 20 A and rated voltage 690 V AC and with IP65 degree of protection for flush mount / cabinet installation, in the Industrial application areas,																						

	according to the appropriate use scenario, and for the reference service life of the product of 20 years.
Company information	Eaton Production International GmbH Claylands Avenue, Dukeries Industrial Estate, S81 7DJ, United Kingdom ISO14001:2015 Email: productstewardship-es@eaton.com

Constituent Materials			
Reference product mass	2.71E-01 kg (With packaging)		
Category PEP Material	Materials	Mass (kg)	Percentage (%)
Plastics	Polyamide66 Glass Fibre 30	9.19E-02	33.8%
Plastics	Polyamide 6	5.68E-02	20.9%
Others	Cardboard	4.48E-02	16.5%
Metals	Stainless steel	3.12E-02	11.5%
Metals	Brass ingot	3.05E-02	11.2%
Others	Label	6.42E-03	2.4%
Others	Paper	5.00E-03	1.8%
Plastics	Polyamide 66	2.80E-03	1.0%
Metals	Steel wire rod	1.22E-03	0.4%
Others	Polyethylene low density film	4.54E-04	0.2%
Plastics	Polycarbonate	2.50E-04	0.1%
Plastics	Ethylene propylene diene	1.40E-04	0.1%
Total		2.71E-01	100%

Substance Assessment
The representative product is compliant with the EU-RoHS Directive (2011/65/EU) with exemption and the product contain Perfluorobutane sulfonic acid (PFBS) and its salts as Substance-of-Very-High-Concern (SVHC) on the Candidate List of the EU-REACH Regulation (1907/2006/EC).

Additional Environmental Information	
Manufacturing	The reference product is assembled at an Eaton plant in United Kingdom, holding management system certifications according to ISO 14001 standards.
Distribution	Eaton is committed to minimizing weight and volume of product and packaging with focus to optimize transport efficiency.
Installation	The installation process does not require any energy consumption and there is no waste other than the obsolete product packaging generated during this step.
Use	The product requires energy consumption during operation.
End of life	The recyclability rate of the overall product is 90.62% if it is properly dismantled prior to shredding. The rate is calculated based on "ECO'DEEE recyclability and recoverability calculation method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).

Environmental Impacts	
The calculation of the environmental impacts is the result of the Product's Life Cycle Analysis in accordance with ISO 14040/44, covering the entire lifecycle, i.e., "Cradle-to-Grave" including the following life cycle phases: production, distribution, installation, use and end of life. System modelling was carried out using the commercial LCA software EIME v6.2.1-17 with database version CODDE-2024-06-04. Indicators Set: PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v1.0	
Manufacturing Phase	The product is assembled as well as packed at Eaton facility Eaton Production International GmbH, United Kingdom plant. Energy model used: United Kingdom
Distribution Phase	Distribution of the product in its packaging from Eaton's last logistics platform to the installation place is considered in Europe.
Installation Phase	Product is installed in Europe. Treatment of packaging waste is considered in this phase as per country specific statistics given in PSR. Energy model used: Europe
Use Phase	Reference lifetime: 20 Years Usage profile: The product has power loss of 4.8 W at full load condition. For industrial and commercial applications under low voltage scenario considering 10% of the loading rate and 30% use time rate, total losses are 2.522 kWh over the 20 years. Product do not require any maintenance/replacement during useful life. Energy Model Used: Europe
End of life Phase	Product disposed with WEEE guidelines. Energy model used: Europe
Module-D	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 loads beyond the boundaries of the system and are not to be included in the life cycle totals.

Environmental Impact Indicators: Mandatory

Mandatory environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Climate change - total(GWP)	kg CO ₂ eq.	3.71E+00	2.32E+00	6.47E-02	1.19E-01	8.89E-01	3.17E-01	-1.25E+00
Climate change - fossil fuels (GWP-f)	kg CO ₂ eq.	3.60E+00	2.29E+00	6.47E-02	4.99E-02	8.88E-01	3.14E-01	-1.30E+00
Climate change – biogenics (GWP-b)	kg CO ₂ eq.	1.11E-01	3.64E-02	0.00E+00	6.95E-02	1.64E-03	3.15E-03	4.55E-02
Climate change - land use and land use transformation (GWP-lu)	kg CO ₂ eq.	6.29E-07	4.70E-07	0.00E+00	0.00E+00	0.00E+00	1.58E-07	-3.18E-07

Mandatory environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Ozone depletion (ODP)	kg eq. CFC-11	2.04E-07	1.93E-07	9.93E-11	1.68E-09	4.31E-09	4.54E-09	-1.14E-07
Acidification (AP)	mole of H ⁺ eq.	2.46E-02	1.77E-02	4.10E-04	1.68E-04	4.56E-03	1.76E-03	-7.97E-03
Freshwater eutrophication (EP-fw)	kg P eq.	3.14E-04	1.33E-04	2.43E-08	5.90E-07	2.34E-06	1.77E-04	-1.72E-05
Marine aquatic eutrophication (EP-m)	kg of N eq.	3.54E-03	2.46E-03	1.92E-04	6.58E-05	5.55E-04	2.67E-04	-1.33E-03
Terrestrial eutrophication (EP-t)	mole of N eq.	3.70E-02	2.24E-02	2.11E-03	4.59E-04	8.92E-03	3.20E-03	-9.25E-03
Photochemical ozone formation (POCP)	kg of NMVOC eq.	9.58E-03	6.29E-03	5.32E-04	1.11E-04	1.75E-03	8.98E-04	-2.88E-03
Depletion of abiotic resources – elements (ADPe)	kg eq. Sb	1.29E-04	1.23E-04	2.55E-09	3.72E-09	3.15E-07	5.48E-06	-6.38E-05
Depletion of abiotic resources - fossil fuels (ADP-f)	MJ	8.26E+01	4.51E+01	9.04E-01	4.82E-01	2.24E+01	1.37E+01	-2.19E+01
Water scarcity (WDP)	m ³ of eq. deprivation worldwide	1.28E+00	1.05E+00	2.46E-04	1.17E-02	6.81E-02	1.49E-01	-6.21E-01

Inventory Flow Indicators: Mandatory

Inventory flow indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	8.76E+00	2.28E+00	1.21E-03	1.79E-01	5.94E+00	3.63E-01	-5.78E-02
Use of renewable primary energy resources used as raw materials	MJ	1.54E+00	1.54E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-5.26E-01
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	1.03E+01	3.82E+00	1.21E-03	1.79E-01	5.94E+00	3.63E-01	-5.84E-01
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	MJ	7.82E+01	4.07E+01	9.04E-01	4.82E-01	2.24E+01	1.37E+01	-1.86E+01
Use of non-renewable primary energy resources used as raw materials	MJ	4.32E+00	4.32E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-3.34E+00
Total use of non-renewable primary energy resources (primary	MJ	8.26E+01	4.51E+01	9.04E-01	4.82E-01	2.24E+01	1.37E+01	-2.19E+01

Inventory flow indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
energy and primary energy resources used as raw materials)								
Use of secondary materials	kg	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	MJ	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	MJ	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	m³	3.03E-02	2.47E-02	5.73E-06	4.64E-04	1.60E-03	3.47E-03	-1.45E-02
Hazardous waste disposed of	kg	9.22E+00	8.95E+00	0.00E+00	2.56E-03	3.90E-02	2.31E-01	-4.73E+00
Non-hazardous waste disposed of	kg	2.08E+00	1.86E+00	2.27E-03	1.68E-02	1.50E-01	4.45E-02	-1.27E-01
Radioactive waste disposed of	kg	2.17E-04	1.67E-04	1.62E-06	2.74E-06	3.45E-05	1.13E-05	-5.65E-05
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	kg	3.65E-01	1.19E-01	0.00E+00	3.51E-02	0.00E+00	2.11E-01	0.00E+00
Materials for energy recovery	kg	5.45E-03	4.61E-05	0.00E+00	4.00E-03	0.00E+00	1.40E-03	0.00E+00
Exported energy	MJ by energy vector	2.58E-04	0.00E+00	0.00E+00	2.58E-04	0.00E+00	0.00E+00	0.00E+00
Biogenic carbon content of the product	kg of C.	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	kg of C.	1.77E-02	1.77E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Environmental Impact Indicators: Optional

Optional Environmental impact indicators	Units	Sum	A1-A3 - Manufacturing	A4 - Distribution	A5 - Installation	B6 - Operational energy use	C1-C4 - End of life	D - Benefits and loads beyond the system boundaries
Emission of fine particles	incidence of diseases	2.36E-07	1.83E-07	3.34E-09	9.72E-10	3.67E-08	1.21E-08	-1.02E-07
Ionizing radiation, human health	kBq of U ²³⁵ eq.	2.73E+01	2.12E+01	1.58E-04	4.76E+00	1.28E+00	1.04E-01	-1.19E+01
Ecotoxicity, fresh water	CTUe	1.23E+03	1.23E+03	4.24E-02	6.50E-01	1.68E+00	8.16E-01	-1.10E+03
Human toxicity, cancer effects	CTUh	1.34E-06	1.33E-06	1.14E-12	4.52E-09	1.12E-10	1.85E-10	-7.02E-07
Human toxicity, non-cancer effects	CTUh	2.58E-07	2.41E-07	2.20E-11	1.44E-10	2.67E-09	1.37E-08	-9.79E-08
Impacts related to land use/soil quality	-	6.54E-01	2.49E-01	0.00E+00	1.27E-04	2.46E-02	3.79E-01	-8.86E-04
Total use of primary energy during the life cycle	MJ	9.29E+01	4.89E+01	9.05E-01	6.61E-01	2.84E+01	1.40E+01	-2.25E+01

To evaluate the environmental impact of other product covered by this PEP, multiply the impact figures by-

Multiplying Factors for Manufacturing, Distribution, Installation, End of Life and Module-D phase Phase for EU:

Part No.	Description	Phases	ADP-e	ADP-f	AP	EP- fw	EP-m	EP-t	GWP	GWP -b	GWP -f	GWP -lu	ODP	POCP	WDP
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Y7-008207 (Reference)	T0-4- 15164/EA/SVB	All phase	1												
Y7-015571	T0-3- 15683/EA/SVB	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-015600	T0-3- 15683/EA/SVB-SW	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-231932	T0-3- 8901/EA/SVB	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-029382	T0-3- 8342/EA/SVB	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-231933	T0-3- 8901/EA/SVB-SW	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-031755	T0-3- 8342/EA/SVB-SW	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-008185	T0-3- 8341/EA/SVB-SW	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-012263	T0-3-12/EA/SVB	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-038875	T0-3- 15680/EA/SVB	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90

		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-041248	T0-3-15680/EA/SVB-SW	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-008119	T0-3-15159/EA/SVB	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-008128	T0-3-15259/EA/SVB	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-008136	T0-3-15284/EA/SVB	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-086335	T0-3-15681/EA/SVB	Manufacturing	0.84	0.87	0.86	1.12	0.89	0.90	0.90	0.98	0.90	1.03	0.86	0.89	0.87
		Distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
		Installation	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	0.99	0.99	1.00
		EOL	1.09	0.74	0.92	1.09	0.89	0.90	0.85	1.08	0.84	1.09	0.98	0.87	0.92
		Module - D	0.86	0.89	0.94	0.99	0.88	0.90	0.87	0.98	0.88	1.00	0.81	0.90	0.86
Y7-022265	T0-4-15682/EA/SVB-SW	All phases	1.00												
Y7-013810	T0-4-22/EA/SVB	All phases	1.00												
Y7-019892	T0-4-15682/EA/SVB	All phases	1.00												
Y7-008267	T0-4-8344/EA/SVB	All phases	1.00												
Y7-008268	T0-4-8344/EA/SVB-SW	All phases	1.00												
Y7-008235	T0-4-15700/EA/SVB	All phases	1.00												
Y7-008262	T0-4-8343/EA/SVB-SW	All phases	1.00												

Multiplying Factors for Use Phase for EU-

Part No.	Description	Extrapolation Factor for Use Phase (Only B6)
Y7-08207 (Reference)	T0-2-1/EA/SVB	1.00
Y7-015571	T0-3-15683/EA/SVB	0.75
Y7-015600	T0-3-15683/EA/SVB-SW	0.75
Y7-231932	T0-3-8901/EA/SVB	0.75
Y7-029382	T0-3-8342/EA/SVB	0.75
Y7-231933	T0-3-8901/EA/SVB-SW	0.75
Y7-031755	T0-3-8342/EA/SVB-SW	0.75
Y7-008185	T0-3-8341/EA/SVB-SW	0.63
Y7-012263	T0-3-12/EA/SVB	0.75
Y7-038875	T0-3-15680/EA/SVB	0.75
Y7-041248	T0-3-15680/EA/SVB-SW	0.75
Y7-008119	T0-3-15159/EA/SVB	0.75
Y7-008128	T0-3-15259/EA/SVB	0.63
Y7-008136	T0-3-15284/EA/SVB	0.75
Y7-086335	T0-3-15681/EA/SVB	0.75
Y7-022265	T0-4-15682/EA/SVB-SW	1.00
Y7-013810	T0-4-22/EA/SVB	1.00
Y7-019892	T0-4-15682/EA/SVB	1.00
Y7-008267	T0-4-8344/EA/SVB	1.00
Y7-008268	T0-4-8344/EA/SVB-SW	1.00
Y7-008235	T0-4-15700/EA/SVB	1.00
Y7-008262	T0-4-8343/EA/SVB-SW	0.88

Factors for Manufacturing, Distribution, Installation, End of Life and Module-D phase for different geographical regions

Product	Geographical regions	Phases	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO2 eq.)	GWP-b (kg CO2 eq.)	GWP-f (kg CO2 eq.)	GWP-lu (kg CO2 eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m3 eq.)
Y7-008207 (Reference)	Europe (Reference)	All phases	1.00												
	United Kingdom	Manufacturing, Installation, EoL, Module-D	1.00												
		Distribution	0.29												
		Installation	0.94	0.96	0.97	1.00	0.99	1.01	0.99	1.00	0.98	1.00	1.00	0.98	0.99
	Outside Europe	Manufacturing	1.00												
		Distribution	5.71												
		Installation	0.29	0.58	0.55	0.02	0.35	0.65	0.69	0.96	0.30	1.00	0.32	0.58	0.05
		End of Life	0.01	0.18	0.53	0.01	0.89	0.96	0.43	0.12	0.43	0.01	2.50	0.76	0.08

Factors for use phase for different geographical regions

Product	Geographical regions	ADP-e (kg Sb eq.)	ADP-f (MJ)	AP (mol H+ eq.)	EP-fw (kg P eq.)	EP-m (kg N eq.)	EP-t (mol N eq.)	GWP (kg CO ₂ eq.)	GWP-b (kg CO ₂ eq.)	GWP-f (kg CO ₂ eq.)	GWP-lu (kg CO ₂ eq.)	ODP (kg CFC-11 eq.)	POCP (kg NMVOC eq.)	WDP (m ³ eq.)
Y7-008207 (Reference)	Europe (Reference)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	Germany	1.09	0.86	1.50	0.54	1.34	1.39	1.07	0.73	1.07	1.00	1.43	1.35	1.28
	UK	0.79	0.75	0.67	0.79	0.69	1.17	0.71	1.19	0.71	1.00	0.82	0.61	0.66
	Austria	1.65	0.23	0.43	0.01	0.40	0.63	0.37	0.65	0.37	1.00	0.37	0.36	1.10
	Netherlands	0.79	0.77	0.80	0.18	0.95	0.98	1.14	1.33	1.14	1.00	1.01	0.94	0.92
	India	0.60	2.47	5.87	0.16	5.13	3.64	3.93	0.25	3.94	1.00	4.74	5.44	2.69
	Czech Republic	0.45	1.66	2.35	1.77	2.05	1.77	1.59	0.44	1.59	1.00	2.02	2.12	1.20
	Finland	0.73	0.86	0.91	1.59	0.68	1.42	0.39	0.61	0.39	1.00	0.71	0.56	0.54
	Denmark	0.83	0.35	1.16	0.04	0.98	1.66	0.56	0.90	0.56	1.00	1.30	0.86	0.58

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Registration Number	EATO-00183-V01.01-EN	Drafting rules	PCR-ed4-EN-2021 09 06
Verifier accreditation Number	VH53	Supplemented by	PSR-0005-ed3.1-EN-2023 08 12
Date of issue	07-2024	Information and reference documents	www.pep-ecopassport.org
		Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14025: 2006			
Internal	X	External	
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)			
PEPs are compliant with XP C08-100-1:2016 and EN 50693:2019 The components of the present PEP may not be compared with components from any other program.			
Document complies with ISO 14025: 2006 « Environmental labels and declarations. Type III environmental declarations »			