Product Environmental Profile

Standard Series Timer Run On for Exhaust Fans

Standard Series

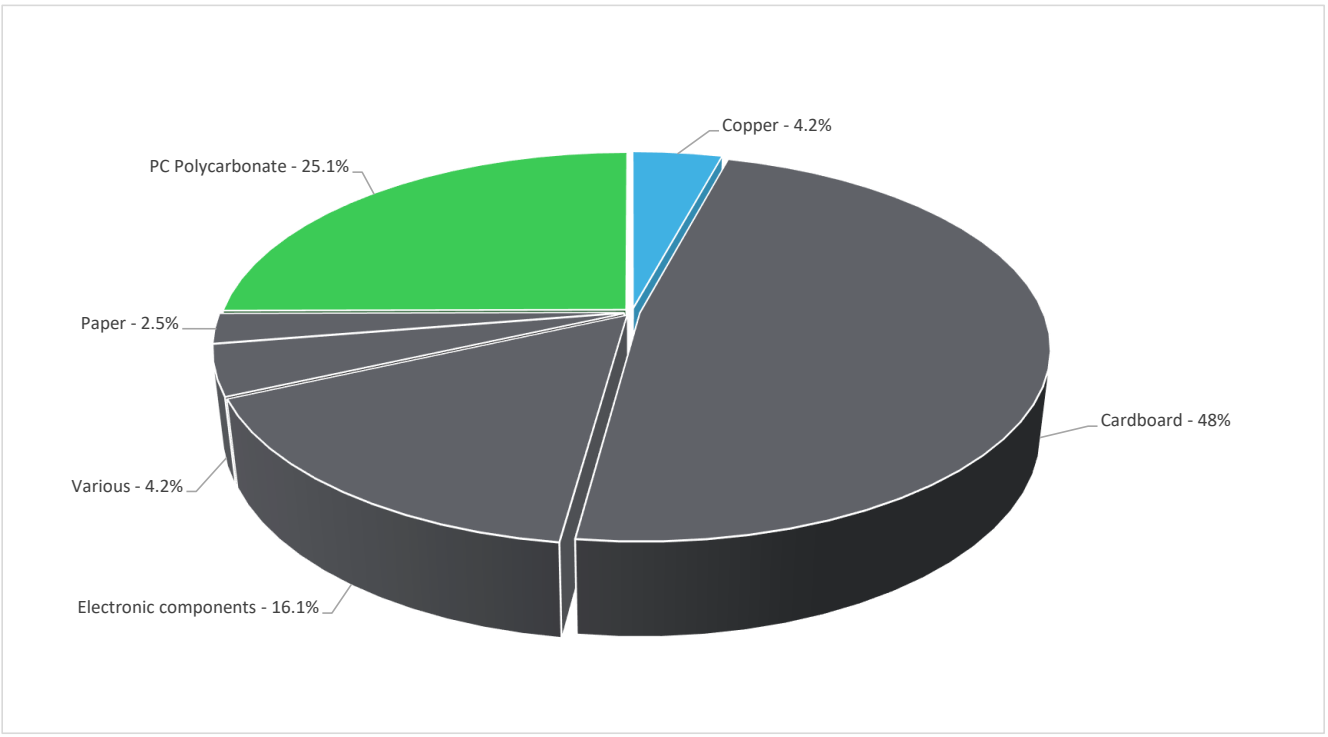


General information

Reference product	Standard Series Timer Run On for Exhaust Fans - 31ROFT
Description of the product	From one wall switch, the user turns both the light and the fan on. When the light is manually turned off from the switch, the fan continues to run for the set off time delay, then turns off automatically
Description of the range	The products of the range are: Dimmers, fan controllers, time delays, surface, ceiling and other special purpose switches are all available in the Standard Range format. This document applies to Timer Run On for Exhaust Fans. The environmental impacts of this reference product are representative of the impacts of the other products of the range which are developed with a similar technology.
Functional unit	Other switchgear and controlgear solutions mentioned in the scope (e.g. fuses TC32, all-or-nothing relays TC94, Measuring relays and protection equipment TC95), apply the general rules of PCR and mention in the accompanying report the functional unit, the reference product characteristics, the reference lifetime and the use scenario which are applied consistently with the relevant IEC technical standards.
Specifications are:	Timer Run On for Exhaust Fans is a time delay switch. Must be used with both a fan and a light connected only. Works in conjunction with a standard switch mechanism. The function unit is accordance with the following technical data: Supply: 220 – 240V, 50Hz Max Load: 1A (all load types) Min Load: 2.5W Ingress protection: IP30 in accordance with IEC 60669-2-1:2002 +AMD1: 2008+ AMD2: 2015

Constituent materials

Reference product mass	39 g	including the product, its packaging and additional elements and accessories



Plastics	25.1%
Metals	4.2%
Others	70.7%

Substance assessment

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website
https://www.se.com/ww/en/work/support/green-premium/

Additional environmental information

End Of Life	Recyclability potential:	**17%**	The recyclability rate was calculated from the recycling rates of each material making up the product with the exception of data using the ESR database. For materials or components using the ESR database or the absence of data the conservative hypothesis "0% recyclability" was used.

Environmental impacts

Reference service life time	10 years			
Product category	Other equipments - Active product			
Installation elements	The product does not require any installation operations.			
Use scenario	See PSR			
Time representativeness	The collected data are representative of the year 2024			
Technological representativeness	From one wall switch, the user turns both the light and the fan on. When the light is manually turned off from the switch, the fan continues to run for the set off time delay, then turns off automatically			
Geographical representativeness	Rest of the World			
Energy model used	**[A1 - A3]**	**[A5]**	**[B6]**	**[C1 - C4]**
	China, CN	Electricity Mix; Low voltage; 2018; Australia, AU	Electricity Mix; Low voltage; 2018; Australia, AU	Electricity Mix; Low voltage; 2018; Australia, AU

Detailed results of the optional indicators mentioned in PCRed4 are available in the LCA report and on demand in a digital format - Country Customer Care Center - http://www.schneider-electric.com/contact

Mandatory Indicators		**Standard Series Timer Run On for Exhaust Fans - 31ROFT**						
Impact indicators	**Unit**	**Total (without Module D)**	**[A1 - A3] - Manufacturing**	**[A4] - Distribution**	**[A5] - Installation**	**[B1 - B7] - Use**	**[C1 - C4] - End of life**	**[D] - Benefits and loads**
Contribution to climate change	kg CO2 eq	1.58E+01	9.67E-01	0*	0*	1.47E+01	5.10E-02	-3.85E-03
Contribution to climate change-fossil	kg CO2 eq	1.57E+01	9.61E-01	0*	0*	1.47E+01	5.07E-02	-3.53E-03
Contribution to climate change-biogenic	kg CO2 eq	1.32E-02	5.66E-03	0*	0*	7.18E-03	3.50E-04	-3.21E-04
Contribution to climate change-land use and land use change	kg CO2 eq	1.54E-05	1.54E-05	0*	0*	0*	1.46E-08	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	2.05E-07	1.33E-07	0*	3.08E-11	7.16E-08	2.83E-10	-1.10E-09
Contribution to acidification	mol H+ eq	1.04E-01	7.08E-03	0*	1.04E-05	9.67E-02	7.57E-05	-2.77E-04
Contribution to eutrophication, freshwater	kg $(PO4)^{3-}$ eq	1.54E-05	4.36E-06	0*	3.83E-09	1.04E-07	1.09E-05	-4.99E-09
Contribution to eutrophication marine	kg N eq	1.16E-02	8.32E-04	0*	4.92E-06	1.07E-02	2.04E-05	-4.11E-06
Contribution to eutrophication, terrestrial	mol N eq	1.30E-01	8.74E-03	0*	5.01E-05	1.21E-01	2.32E-04	-4.84E-05
Contribution to photochemical ozone formation - human health	kg COVNM eq	3.86E-02	2.80E-03	0*	1.20E-05	3.57E-02	5.58E-05	-3.11E-05
Contribution to resource use, minerals and metals	kg Sb eq	9.49E-05	9.43E-05	0*	0*	2.28E-07	3.42E-07	-2.20E-06
Contribution to resource use, fossils	MJ	2.40E+02	1.26E+01	0*	0*	2.27E+02	1.06E-01	-6.06E-02
Contribution to water use	m3 eq	9.13E-01	3.14E-01	0*	1.83E-03	5.83E-01	1.37E-02	-1.31E-02

Additional indicators for the French regulation are available as well

Inventory flows Indicators		Standard Series Timer Run On for Exhaust Fans - 31ROFT						
Inventory flows	Unit	Total (without Module D)	[A1 - A3] - Manufacturing	[A4] - Distribution	[A5] - Installation	[B1 - B7] - Use	[C1 - C4] - End of life	[D] - Benefits and loads
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	1.74E+01	2.14E-01	0*	0*	1.72E+01	8.86E-03	-6.89E-03
Contribution to use of renewable primary energy resources used as raw material	MJ	4.45E-01	4.45E-01	0*	0*	0*	0*	0.00E+00
Contribution to total use of renewable primary energy resources	MJ	1.79E+01	6.58E-01	0*	0*	1.72E+01	8.86E-03	-6.89E-03
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	2.40E+02	1.21E+01	0*	0*	2.27E+02	1.06E-01	-6.06E-02
Contribution to use of non renewable primary energy resources used as raw material	MJ	4.49E-01	4.49E-01	0*	0*	0*	0*	0.00E+00
Contribution to total use of non-renewable primary energy resources	MJ	2.40E+02	1.26E+01	0*	0*	2.27E+02	1.06E-01	-6.06E-02
Contribution to use of secondary material	kg	4.36E-06	4.36E-06	0*	0*	0*	0*	0.00E+00
Contribution to use of renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to use of non renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to net use of freshwater	m^3	2.14E-02	7.50E-03	0*	4.27E-05	1.36E-02	3.20E-04	-3.04E-04
Contribution to hazardous waste disposed	kg	9.37E-01	5.55E-01	0*	0*	3.76E-01	6.37E-03	-2.02E-01
Contribution to non hazardous waste disposed	kg	3.34E+00	9.39E-01	0*	2.00E-02	2.37E+00	1.11E-02	-2.77E-04
Contribution to radioactive waste disposed	kg	4.98E-04	2.64E-04	0*	0*	2.33E-04	5.83E-07	-2.93E-07
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	3.51E-03	2.47E-04	0*	0*	0*	3.26E-03	0.00E+00
Contribution to materials for energy recovery	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to exported energy	MJ	1.94E-05	3.14E-06	0*	0*	0*	1.63E-05	0.00E+00

** represents less than 0.01% of the total life cycle of the reference flow*

Contribution to biogenic carbon content of the product	kg de C	0.00E+00
Contribution to biogenic carbon content of the associated packaging	kg de C	5.70E-03

Life cycle assessment performed with EIME version v6.1, database version 2023-02 in compliance with ISO14044, EF 3.0 method is applied, for biogenic carbon storage, assessment methodology 0/0 is used

According to this environmental analysis, proportionality rules may be used to evaluate the impacts of other products of this range, ratios to apply can be provided upon request

Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.

Registration number :	ENVPEP2402020_V1	*Drafting rules*	PCR-4-ed4-EN-2021 09 06
Verifier accreditation N°		*Supplemented by*	PSR-0005-ed3-EN-2023 06 06
Date of issue	03-2024	*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 or NF E38-500 :2022

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"

Schneider Electric Industries SAS
Country Customer Care Center
http://www.se.com/contact
35, rue Joseph Monier
CS 30323
F- 92500 Rueil Malmaison Cedex
RCS Nanterre 954 503 439
Capital social 928 298 512 €

www.se.com

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