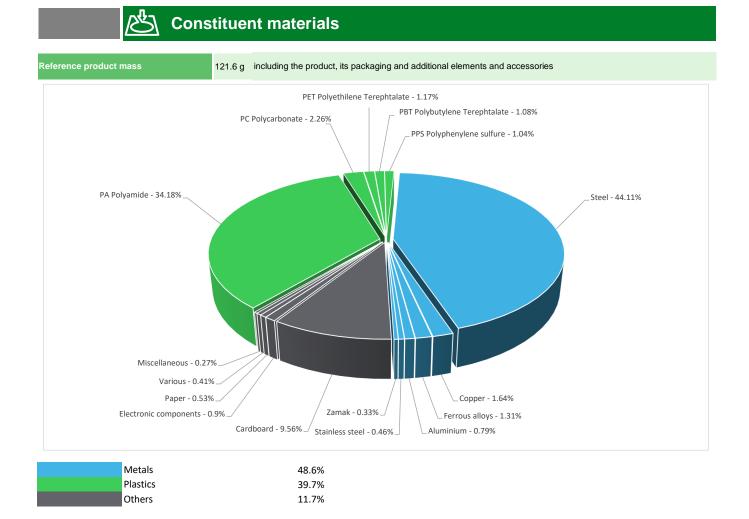
Product Environmental Profile

Easy9 BICO - MINIATURE CIRCUIT BREAKER





General information Reference product Easy9 MCB 1P 16A C 6000A 240V - EZ9F76116 Description of the product The Easy9 Bico Miniature Circuit Breaker provides protection of installation against short circuits and overload. Protect during 20 years the installation against overloads and short-circuits in circuit with an assigned voltage [U] of 240 V AC and rated current [In] of 16 A. This protection is ensured in accordance with the following parameters: - Number of poles [Np] - 1P - Rated breaking capacity [Cn] - 6000 A - Triping curve [Cd] - C - Degree of protection against the ingress of solid foreign objects and water with harmful effects in accordance with the standard IEC 60529 - IP20 This product complies with the IEC 60898-1 standard.



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



Recyclability rate has been calculated based on REEECY'LAB tool developed by Ecosystem, for components/materials not covered by the tool, data from the "ECO'DEEE recyclability and recoverability calculation method" was taken. If no data was found a conservative assumption was used (0% recyclability).

Q Environmental impacts

Reference service life time	20 years							
Product category	Circuit-breakers							
Installation elements	The product does not require special installation procedure and requires little to no energy to install.							
Use scenario	Load rate: 50% of 16A (In) Use time rate: 30% of the time over 20 years (RLT)							
Technological representativeness	The Modules of Technologies such as material production, manufacturing process and transport technology used in this PEP analysis (LCA-EIME in this case) are Similar and representative of the actual type of technologies used to make the product in production.							
Geographical representativeness	India							
	[A1 - A3]	[A5]	[B6]	[C1 - C4]				
Energy model used	Electricity Mix; Production mix; Low voltage; IN	Electricity Mix; Production mix; Low voltage; IN	Electricity Mix; Production mix; Low voltage; IN	Electricity Mix; Production mix; Low voltage; IN				

Detailed results, including all the impact indicators mentioned in PCRed4, are available in the LCA report and on demand in a digital format - Country Customer Care Center - http://www.schneiderelectric.com/contact

Mandatory Indicators			Easy9 BICO - MINIATURE CIRCUIT BREAKER - EZ9F76116						
Impact indicators	Unit	t Total	Manufacturing	Distribution	Installation	Use	End of Life	Loads and Benefits	
			[A1 - A3]	[A4]	[A5]	[B1 - B7]	[C1 - C4]	[D]	
Contribution to climate change	kg CO2 eq	4.85E+01	6.73E-01	6.01E-02	2.15E-02	4.75E+01	2.96E-01	-2.34E-01	
Contribution to climate change-fossil	kg CO2 eq	4.85E+01	6.66E-01	6.01E-02	2.06E-02	4.74E+01	2.96E-01	-2.33E-01	
Contribution to climate change-biogenic	kg CO2 eq	1.24E-02	6.40E-03	0*	9.56E-04	4.61E-03	4.87E-04	-1.50E-03	
Contribution to climate change-land use and land use char	ige kg CO2 eq	6.54E-09	0*	0*	0*	0*	6.54E-09	0.00E+00	
Contribution to ozone depletion	kg CFC-11 eq	3.54E-07	7.81E-08	9.20E-11	1.42E-09	2.73E-07	1.21E-09	-3.51E-08	
Contribution to acidification	mol H+ eq	3.68E-01	3.93E-03	3.82E-04	8.54E-05	3.63E-01	6.59E-04	-1.66E-03	
Contribution to eutrophication, freshwater	kg (PO4)³⁻ eq	2.90E-05	1.07E-05	2.25E-08	1.55E-07	4.19E-06	1.40E-05	-4.68E-07	
Contribution to eutrophication marine	kg N eq	3.93E-02	4.74E-04	1.79E-04	2.26E-05	3.85E-02	1.47E-04	-1.42E-04	
Contribution to eutrophication, terrestrial	mol N eq	4.52E-01	5.20E-03	1.96E-03	1.71E-04	4.43E-01	1.29E-03	-1.61E-03	
Contribution to photochemical ozone formation - human health	kg COVNM eq	1.31E-01	1.69E-03	4.95E-04	4.56E-05	1.28E-01	4.34E-04	-5.71E-04	
Contribution to resource use, minerals and metals	kg Sb eq	1.20E-04	1.20E-04	0*	0*	3.21E-07	3.98E-07	-6.62E-05	
Contribution to resource use, fossils	MJ	7.71E+02	1.19E+01	8.37E-01	2.24E-01	7.47E+02	1.12E+01	-5.00E+00	
Contribution to water use	m3 eq	2.68E+00	0*	0*	9.19E-03	2.10E+00	6.99E-01	-1.09E-01	

Inventory flows Indicators			Easy9 BICO - MINIATURE CIRCUIT BREAKER - EZ9F76116						
Inventory flows	Unit	Total	Manufact.	Distribution	Installation	Use	End of Life	Loads and Benefits	
			[A1 - A3]	[A4]	[A5]	[B1 - B7]	[C1 - C4]	[D]	
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	4.18E+01	1.82E-01	0*	1.61E-02	4.16E+01	1.29E-02	-1.01E-02	
Contribution to use of renewable primary energy resources used as raw material	MJ	8.40E-02	8.40E-02	0*	0*	0*	0*	-7.17E-02	
Contribution to total use of renewable primary energy resources	MJ	4.19E+01	2.66E-01	0*	1.61E-02	4.16E+01	1.29E-02	-8.17E-02	
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	7.70E+02	1.06E+01	8.37E-01	2.24E-01	7.47E+02	1.12E+01	-5.00E+00	
Contribution to use of non renewable primary energy resources used as raw material	MJ	1.22E+00	1.22E+00	0*	0*	0*	0*	0.00E+00	

Contribution to total use of non-renewable primary energy resources	MJ	7.71E+02	1.19E+01	8.37E-01	2.24E-01	7.47E+02	1.12E+01	-5.00E+00
Contribution to use of secondary material	kg	8.65E-03	8.65E-03	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	m³	6.43E-02	0*	0*	2.14E-04	4.89E-02	1.81E-02	-2.53E-03
Contribution to hazardous waste disposed	kg	7.49E+00	5.92E+00	0*	0*	1.46E+00	1.08E-01	-5.26E+00
Contribution to non hazardous waste disposed	kg	8.99E+00	6.34E-01	2.11E-03	7.00E-02	8.24E+00	4.68E-02	-2.90E-01
Contribution to radioactive waste disposed	kg	5.75E-04	2.66E-04	1.50E-06	9.39E-06	2.96E-04	2.22E-06	-9.67E-05
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	6.74E-02	0*	0*	1.18E-02	0*	5.55E-02	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	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to biogenic carbon content of the product	kg de C	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to biogenic carbon content of the associated packaging	kg de C	0.00E+00	0*	0*	0*	0*	0*	0.00E+00

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

Life cycle assessment performed with EIME version v5.9.4, database version 2022-01 in compliance with ISO14044.

Detailed results, including all 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

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.

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Date of issue	03/2024	Information and reference documents	www.pep-ecopassport.org					
Independent verification of the declaration and data, in compliance with ISO 14021 : 2016								
Internal X 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 14021 : 2016 « Environmental labels and declarations. Type II environmental declarations »								

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