

Product Environmental Profile

METER EZM BRANCH RING 125A QO 5 POSITION

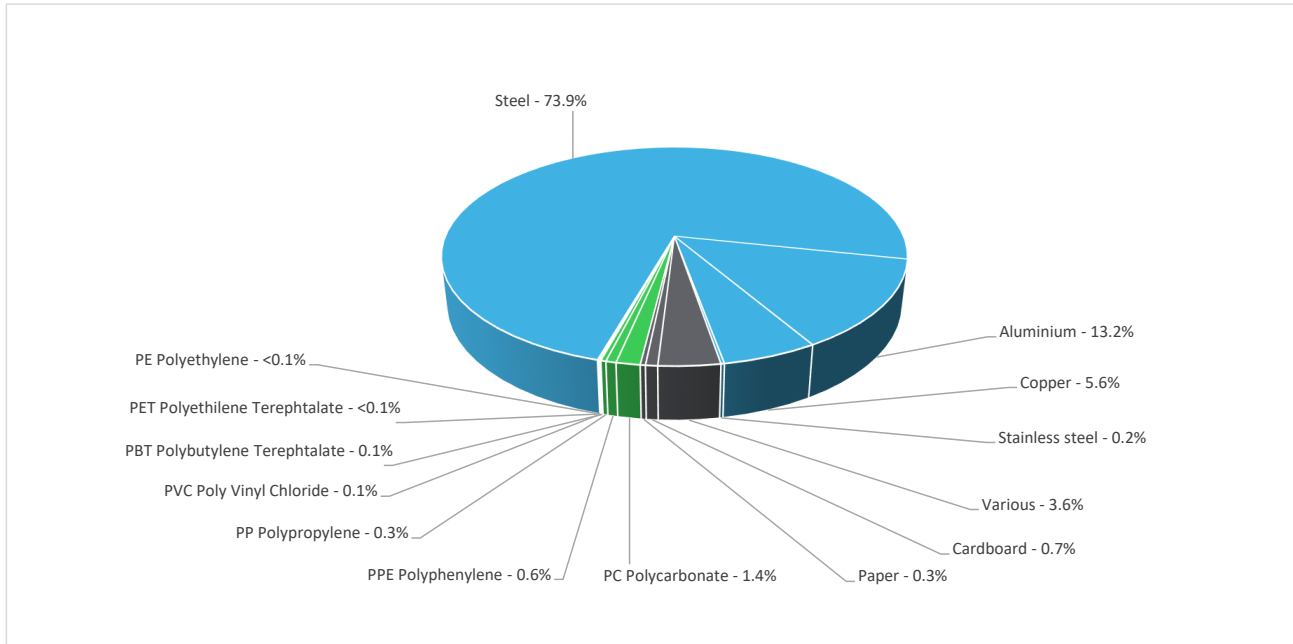


General information

Reference product	METER EZM BRANCH RING 125A QO 5 POSITION - EZM315125
Description of the product	The Square EZ Meter-Pak ringless branch unit is a UL-compliant metering solution for multi-unit residential and commercial setups. It features five five-jaw sockets, supports 125 A per branch, operates at 208Y/120 VAC, and includes an 800 A aluminum busbar. Housed in a NEMA 3R-rated steel enclosure, it offers reliable outdoor performance without a bypass.
Description of the range	Single product
Functional unit	Provide a single integrated enclosure or an assembly of enclosures, each with specified dimensions (H x L x D), designed to group control, command, and protection devices, ensuring protection of people from direct contact with live active parts, and offering mechanical impact resistance (IK rating) and ingress protection against solid objects and liquids (IP rating), while accommodating circuits with rated current (In), rated voltage (Ue), number of poles (Np) and rated breaking capacity (Icn) as applicable, and including any specific requirements, to protect the installation from overloads and short circuits according to the appropriate use scenario in household or commercial environments, and ensuring reliable operation throughout a reference service life of 20 years.
Specifications are:	H (Height (mm)) = 1451 mm L (Width (mm)) = 311 mm P (Depth (mm)) = 180 mm X (Total number of meter sockets) = 5 In (Rated current allowed in this enclosure (A)) = 125 A Voltage range = 208Y/120 VAC Current type = AC

Constituent materials

Reference product mass 32799 g including the product and its packaging.



Metals	92.9%
Others	4.6%
Plastics	2.5%

Substance assessment

Details of ROHS and REACH substances information are available on the Schneider-Electric website <https://www.se.com>

Additional environmental information

End Of Life	Recyclability potential:	92%	The recyclability rate was calculated from the recycling rates of each material making up the product based on REEECYLAB tool developed by Ecosystem, for components/materials not covered by the tool, data from the EIME database and the related PSR was taken. If no data was found a conservative assumption was used (0% recyclability).
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Environmental impacts

Reference service life time	20 years			
Product category	Other equipments - Passive product - non-continuous operation			
Life cycle of the product	The manufacturing, the distribution, the installation, the use and the end of life were taken into consideration in this study			
Electricity consumption	The electricity consumed during manufacturing processes is considered for each part of the product individually, the final assembly generates a negligible consumption			
Installation elements	The product installation requires little to no energy. The disposal of packaging materials is also accounted during the installation phase, including transport to disposal. The material constituents of the packaging are Cardboard (81.07%), Paper (14.98%) and Plastic (3.95%).			
Use scenario	Load rate (% of In) = 15% Use time rate (%) = 30%			
Time representativeness	The collected data are representative of the year 2024			
Technological representativeness	The Modules of Technologies such as material production, manufacturing processes and transport technology used in the PEP analysis (LCA EIME in the case) are similar and representative of the actual type of technologies used to make the product.			
Geographical representativeness	Final assembly site	Use phase		End-of-life
	Mexico,MX	United State,US and Mexico, MX		United State,US and Mexico, MX
Energy model used	[A1 - A3]	[A5]	[B6]	[C1 - C4]
	Electricity Mix; Mexico, MX Electricity Mix; RER	No energy used	Electricity Mix; Low voltage; 2020; United States, US Electricity Mix; Low voltage; 2020; Mexico, MX	Global, European and Mexico datasets are used.

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 Centre - <http://www.se.com/contact>

Mandatory Indicators		METER EZM BRANCH RING 125A QO 5 POSITION - EZM315125						
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	2.91E+02	2.29E+02	1.17E+01	4.86E-02	2.40E+00	4.79E+01	-1.59E+02
Contribution to climate change-fossil	kg CO2 eq	2.90E+02	2.28E+02	1.17E+01	4.87E-02	2.38E+00	4.77E+01	-1.57E+02
Contribution to climate change-biogenic	kg CO2 eq	7.00E-01	4.87E-01	0*	0*	1.17E-02	2.01E-01	-2.40E+00
Contribution to climate change-land use and land use change	kg CO2 eq	8.14E-04	7.98E-04	0*	0*	0*	1.54E-05	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	2.33E-05	2.16E-05	1.80E-08	0*	8.71E-09	1.67E-06	-2.33E-05
Contribution to acidification	mol H+ eq	1.86E+00	1.49E+00	1.21E-01	0*	1.05E-02	2.41E-01	-1.25E+00
Contribution to eutrophication, freshwater	kg P eq	7.79E-04	6.09E-04	3.70E-05	0*	3.61E-06	1.29E-04	-3.78E-04
Contribution to eutrophication, marine	kg N eq	2.36E-01	1.34E-01	5.69E-02	7.14E-05	1.34E-03	4.35E-02	-9.18E-02
Contribution to eutrophication, terrestrial	mol N eq	2.63E+00	1.50E+00	6.24E-01	7.39E-04	1.58E-02	4.96E-01	-1.05E+00
Contribution to photochemical ozone formation - human health	kg COVNM eq	8.24E-01	5.28E-01	1.54E-01	1.75E-04	4.43E-03	1.38E-01	-3.75E-01
Contribution to resource use, minerals and metals	kg Sb eq	2.24E-02	2.24E-02	0*	0*	0*	4.58E-06	-3.32E-02
Contribution to resource use, fossils	MJ	8.04E+03	7.16E+03	1.68E+02	0*	5.05E+01	6.57E+02	-3.10E+03
Contribution to water use	m3 eq	-4.85E+01	-5.63E+01	0*	0*	0*	0*	-6.69E+01

Inventory flows Indicators		METER EZM BRANCH RING 125A QO 5 POSITION - EZM315125						
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 renewable primary energy used as energy	MJ	1.59E+02	1.17E+02	0*	0*	6.16E+00	3.62E+01	-6.44E+01
Contribution to renewable primary energy used as raw material	MJ	6.82E+00	6.82E+00	0*	0*	0*	0*	0.00E+00
Contribution to total renewable primary energy	MJ	1.66E+02	1.24E+02	0*	0*	6.16E+00	3.62E+01	-6.44E+01
Contribution to non renewable primary energy used as energy	MJ	7.99E+03	7.12E+03	1.68E+02	0*	5.05E+01	6.57E+02	-3.10E+03
Contribution to non renewable primary energy used as raw material	MJ	4.76E+01	4.76E+01	0*	0*	0*	0*	0.00E+00
Contribution to total non renewable primary energy	MJ	8.04E+03	7.16E+03	1.68E+02	0*	5.05E+01	6.57E+02	-3.10E+03
Contribution to use of secondary material	kg	0.00E+00	0*	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 fresh water	m³	-1.07E+00	-1.31E+00	0*	0*	0*	0*	-1.56E+00
Contribution to hazardous waste disposed	kg	1.70E+03	1.70E+03	0*	0*	0*	4.12E-01	-2.62E+03
Contribution to non hazardous waste disposed	kg	2.37E+02	2.01E+02	0*	2.98E-01	3.47E-01	3.58E+01	-1.82E+02
Contribution to radioactive waste disposed	kg	1.37E-01	1.35E-01	0*	0*	8.76E-05	1.87E-03	-1.18E-01
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	3.43E+01	3.30E+00	0*	0*	0*	3.10E+01	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

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

Contribution to biogenic carbon content of the product	kg of C	0.00E+00
Contribution to biogenic carbon content of the associated packaging	kg of C	7.95E-02

* The calculation of the biogenic carbon is based on the Ademe for the Cardboard (28%), EN16485 for Wood (39,52%), and APESA/RECORD for Paper (37,8%)

Mandatory Indicators		METER EZM BRANCH RING 125A QO 5 POSITION - EZM315125							
Impact indicators	Unit	[B1 - B7] - Use	[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]
Contribution to climate change	kg CO2 eq	2.40E+00	0*	0*	0*	0*	0*	2.40E+00	0*
Contribution to climate change-fossil	kg CO2 eq	2.38E+00	0*	0*	0*	0*	0*	2.38E+00	0*
Contribution to climate change-biogenic	kg CO2 eq	1.17E-02	0*	0*	0*	0*	0*	1.17E-02	0*
Contribution to climate change-land use and land use change	kg CO2 eq	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to ozone depletion	kg CFC-11 eq	8.71E-09	0*	0*	0*	0*	0*	8.71E-09	0*
Contribution to acidification	mol H+ eq	1.05E-02	0*	0*	0*	0*	0*	1.05E-02	0*
Contribution to eutrophication, freshwater	kg P eq	3.61E-06	0*	0*	0*	0*	0*	3.61E-06	0*
Contribution to eutrophication marine	kg N eq	1.34E-03	0*	0*	0*	0*	0*	1.34E-03	0*
Contribution to eutrophication, terrestrial	mol N eq	1.58E-02	0*	0*	0*	0*	0*	1.58E-02	0*
Contribution to photochemical ozone formation - human health	kg COVNM eq	4.43E-03	0*	0*	0*	0*	0*	4.43E-03	0*
Contribution to resource use, minerals and metals	kg Sb eq	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to resource use, fossils	MJ	5.05E+01	0*	0*	0*	0*	0*	5.05E+01	0*
Contribution to water use	m3 eq	0*	0*	0*	0*	0*	0*	0*	0*

Inventory flows Indicators		METER EZM BRANCH RING 125A QO 5 POSITION - EZM315125							
Inventory flows	Unit	[B1 - B7] - Use	[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	6.16E+00	0*	0*	0*	0*	0*	6.16E+00	0*
Contribution to use of renewable primary energy resources used as raw material	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to total use of renewable primary energy resources	MJ	6.16E+00	0*	0*	0*	0*	0*	6.16E+00	0*
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	5.05E+01	0*	0*	0*	0*	0*	5.05E+01	0*
Contribution to use of non renewable primary energy resources used as raw material	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to total use of non-renewable primary energy resources	MJ	5.05E+01	0*	0*	0*	0*	0*	5.05E+01	0*
Contribution to use of secondary material	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to use of renewable secondary fuels	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to use of non renewable secondary fuels	MJ	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to net use of freshwater	m³	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to hazardous waste disposed	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to non hazardous waste disposed	kg	3.47E-01	0*	0*	0*	0*	0*	3.47E-01	0*
Contribution to radioactive waste disposed	kg	8.76E-05	0*	0*	0*	0*	0*	8.76E-05	0*
Contribution to components for reuse	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to materials for recycling	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to materials for energy recovery	kg	0*	0*	0*	0*	0*	0*	0*	0*
Contribution to exported energy	MJ	0*	0*	0*	0*	0*	0*	0*	0*

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

Life cycle assessment performed with EIME version v6.2.5-6, database version 2024-01 in compliance with ISO14044, EF3.1 method is applied, for biogenic carbon storage, assessment methodology -1/1 is used

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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Validity period	5 years	Supplemented by	PSR-0005-ed3.1-EN-2023 12 08
Date of issue	09-2025	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)			
PEPs are compliant with NF C08-100-1:2022 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 14021:2016 "Environmental labels and declarations. Type II environmental declarations"			

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