

Product Environmental Profile

MUREVA Socket outlet-Pin earth-16A-Screwless-Surface mounted

*as referent product for :
all socket outlet in Mureva range*





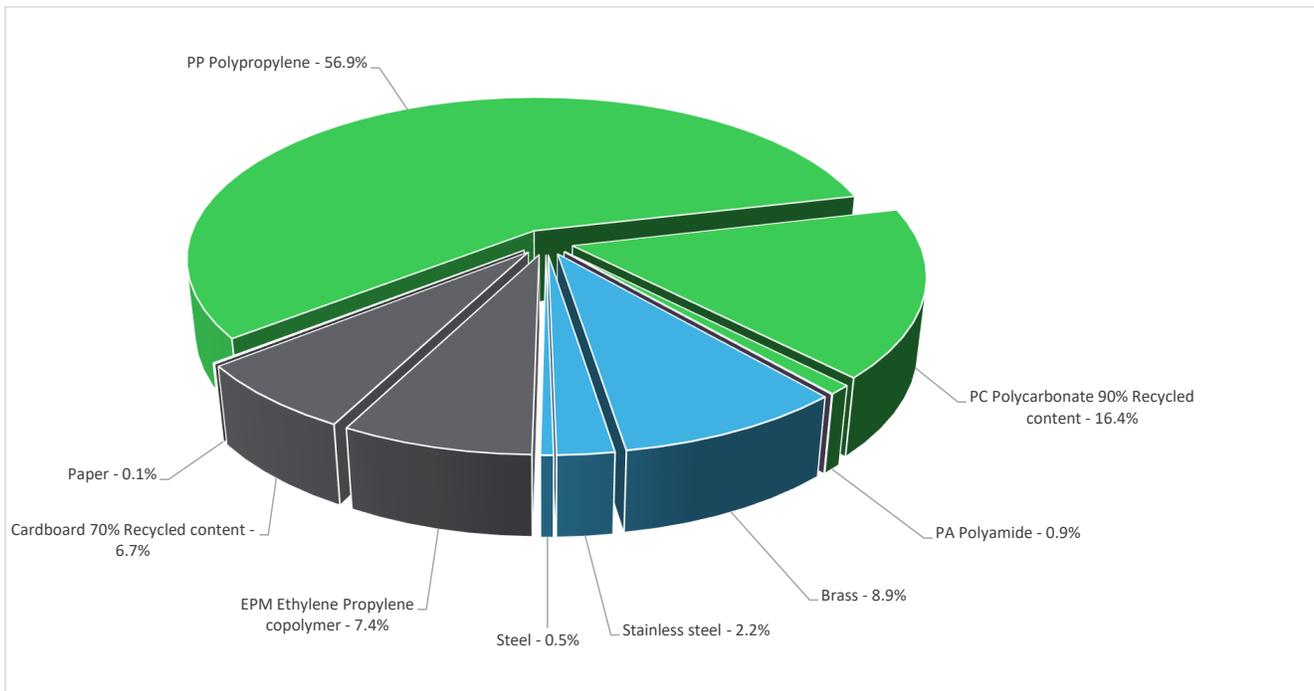
General information

Reference product	MUREVA Socket outlet-Pin earth-16A-Screwless-Surface mounted - MUR35031
Description of the product	The main purpose of the Mureva socket outlet product is to give a solution for the infrastructures that give access to Electricity till the plug.
Description of the range	<p>The indicators values of this Mureva Socket Outlet can be extrapolated, based on the Mass and Energy values of the products, for other Mureva Socket Outlet range of products with or without linked accessories, for surface or flush-mounted variants, for all earth types(side or pin earth) and for all finishing types and colors.</p> <p>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.</p>
Functional unit	Connect/Disconnect during 20 years the plug of a load consuming 16A under a voltage of 250V while protecting the user from direct contact with live parts and with a protection class IP55 in accordance with the standard IEC 60529 and IK08 in accordance with the standard IEC 62262.



Constituent materials

Reference product mass	139 g	including the product, its packaging.
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Plastics	74.2%
Metals	11.6%
Others	14.2%



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:	12%	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'DEEEE recyclability and recoverability calculation method" 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	Power socket		
Installation elements	The disposal of the packaging materials are accounted during the installation phase (including transport to disposal).		
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.		
Use scenario	Full load is 1,2288 W power losses. For 20 years, the product is used 50% of the time with a power losses of 0.3072 W (with 50% load rate = 8A) and 0W for other part of the time (50%).		
Geographical representativeness	France		
Energy model used	[A1 - A3]	[A5]	[B6]
	Electricity Mix; Production mix; Low voltage; PL	Electricity Mix; Production mix; Low voltage; FR	Electricity Mix; Production mix; Low voltage; FR
			[C1 - C4]
			Electricity Mix; Production mix; Low voltage; FR

Mandatory Indicators			MUREVA Socket outlet-Pin earth-16A-Screwless-Surface mounted - MUR35031					
Impact indicators	Unit	Total	Manufacturing [A1 - A3]	Distribution [A4]	Installation [A5]	Use [B1 - B7]	End of Life [C1 - C4]	Benefits [D]
Contribution to climate change	kg CO2 eq	2.81E+00	5.68E-01	4.01E-02	1.74E-02	1.80E+00	3.87E-01	-6.83E-02
Contribution to climate change-fossil	kg CO2 eq	2.79E+00	5.52E-01	4.01E-02	1.67E-02	1.79E+00	3.87E-01	-6.85E-02
Contribution to climate change-biogenic	kg CO2 eq	2.13E-02	1.59E-02	0*	7.75E-04	4.63E-03	0*	1.92E-04
Contribution to climate change-land use and land use change	kg CO2 eq	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	1.62E-07	9.77E-08	3.54E-08	1.15E-09	2.65E-08	1.19E-09	-2.92E-08
Contribution to acidification	mol H+ eq	1.46E-02	3.70E-03	1.74E-04	6.92E-05	1.04E-02	2.62E-04	-4.92E-04
Contribution to eutrophication, freshwater	kg (PO4) ³⁻ eq	9.11E-05	5.46E-06	0*	1.26E-07	8.55E-05	1.14E-08	-1.59E-07
Contribution to eutrophication marine	kg N eq	2.13E-03	5.42E-04	8.00E-05	1.83E-05	1.43E-03	5.71E-05	-3.21E-05
Contribution to eutrophication, terrestrial	mol N eq	2.82E-02	5.90E-03	8.67E-04	1.38E-04	2.06E-02	7.17E-04	-4.18E-04
Contribution to photochemical ozone formation - human health	kg COVNM eq	6.91E-03	2.15E-03	2.84E-04	3.69E-05	4.24E-03	1.98E-04	-1.69E-04
Contribution to resource use, minerals and metals	kg Sb eq	1.80E-05	1.71E-05	0*	0*	8.51E-07	2.18E-09	-2.00E-05
Contribution to resource use, fossils	MJ	3.63E+02	1.31E+01	4.87E-01	1.81E-01	3.45E+02	3.51E+00	-9.47E-01
Contribution to water use	m3 eq	3.86E-01	1.99E-01	2.03E-03	7.44E-03	1.30E-01	4.68E-02	-4.13E-02

Additional indicators for the French regulation are available as well

Inventory flows Indicators			MUREVA Socket outlet-Pin earth-16A-Screwless-Surface mounted - MUR35031					
Inventory flows	Unit	Total	Manufact. [A1 - A3]	Distribution [A4]	Installation [A5]	Use [B1 - B7]	End of Life [C1 - C4]	Benefits [D]
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	3.22E+01	3.01E-01	0*	1.30E-02	3.19E+01	0*	-6.89E-02
Contribution to use of renewable primary energy resources used as raw material	MJ	5.80E-02	5.80E-02	0*	0*	0*	0*	1.02E-01
Contribution to total use of renewable primary energy resources	MJ	3.23E+01	3.59E-01	0*	1.30E-02	3.19E+01	0*	3.36E-02
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	3.58E+02	8.32E+00	4.87E-01	1.81E-01	3.45E+02	3.51E+00	-1.16E+00
Contribution to use of non renewable primary energy resources used as raw material	MJ	4.80E+00	4.80E+00	0*	0*	0*	0*	2.18E-01

