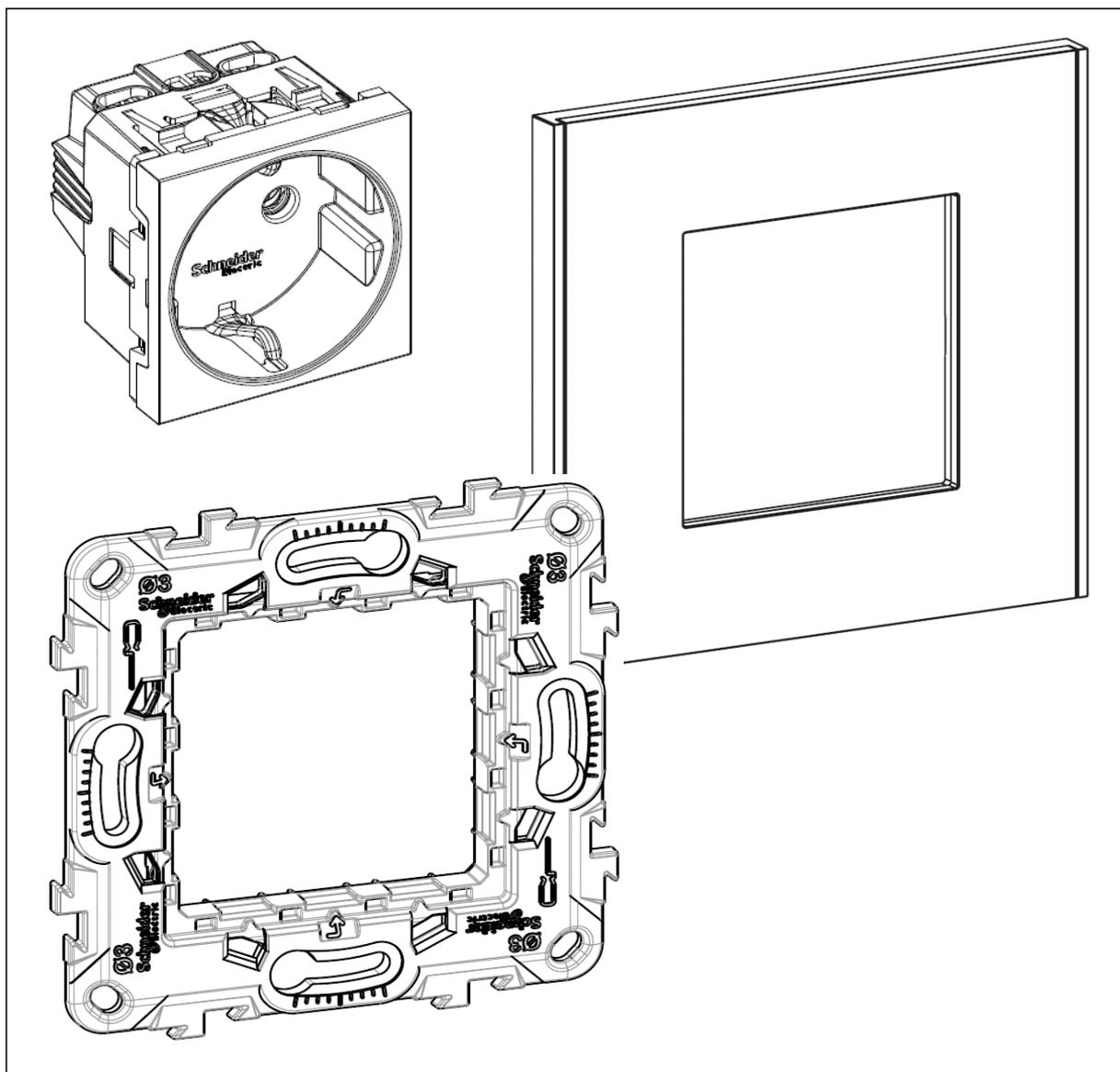


Product Environmental Profile

Unica socket outlet 2P+E, shucko,16A, shuttered, screw, complete product

as representative product for :

All Unica socket outlets

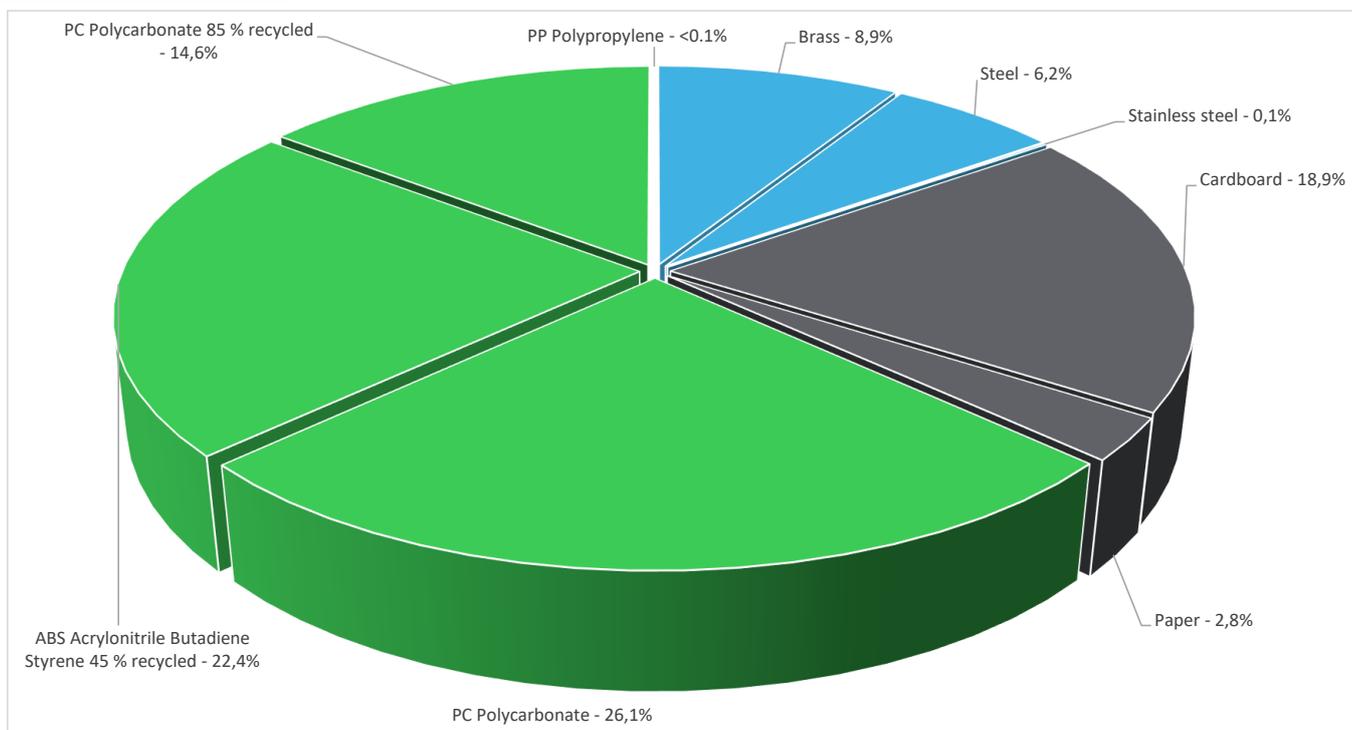


General information

Reference product	Unica socket outlet 2P+E, shucko,16A, shuttered, screw, complete product - Socket NU303718 - Fixing frame NU7002P - Cover frame NU600218
Description of the product	The main function of this complete Unica socket outlet is to allow users to connect and disconnect the plug of an electrical load and to connect to the electrical network. This socket-outlet is 2P + E with shutters, ensuring safety protection, with screw terminals connection.
Description of the range	<p>The indicators values of this Unica socket Outlet can be extrapolated for all other Unica Socket outlets : with or without earth, flush or not, with screw or screwless terminals, for single or multiple gangs, and for all finishing types.</p> <p>It contains all single, double or more sockets outlets, with or without lamp, with plastic/metal fixing frames or working stations.</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 16 A under a voltage of 250 V while protecting the user from direct contact with live parts and with a protection class IP21D in accordance with the standard IEC 60529 and IK04 in accordance with the standard IEC 62262 .

Constituent materials

Reference product mass 74,85 g including the product, its packaging and additional elements and accessories



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:	19%	Recyclability rate has been calculated based on REEECYLAB 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	No special components needed		
Use scenario	The product is in ON mode 30% of the time with a power use of 3,69 mW (with 1,6 A corresponding to 10% of Max current) and in OFF for the other 70% of the time, for 20 years		
Technological representativeness	The main function of this complete Unica socket outlet is to allow users to connect and disconnect the plug of an electrical load and to connect to the electrical network. This socket-outlet is 2P + E with shutters, ensuring safety protection, with screw terminals connection.		
Geographical representativeness	France, Spain, Russia		
Energy model used	[A1 - A3]	[A5]	[B6]
	Electricity Mix; Production mix; Low voltage; ES	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			Unica socket outlet 2P+E, shucko,16A, shuttered, screw, complete product - Socket NU303718 - Fixing frame NU7002P - Cover frame NU600218					
Impact indicators	Unit	Total	Manufacturing [A1 - A3]	Distribution [A4]	Installation [A5]	Use [B1 - B7]	End of Life [C1 - C4]	Loads and Benefits [D]
Contribution to climate change	kg CO2 eq	5,45E-01	3,66E-01	9,79E-03	2,96E-02	4,32E-02	9,64E-02	-2,28E-02
Contribution to climate change-fossil	kg CO2 eq	5,35E-01	3,58E-01	9,79E-03	2,83E-02	4,30E-02	9,64E-02	-2,21E-02
Contribution to climate change-biogenic	kg CO2 eq	1,02E-02	8,76E-03	0*	1,31E-03	1,11E-04	0*	-7,37E-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	1,57E-07	1,54E-07	0*	1,96E-09	6,35E-10	2,69E-10	-1,27E-08
Contribution to acidification	mol H+ eq	3,03E-03	2,47E-03	6,30E-05	1,17E-04	2,50E-04	1,28E-04	-3,01E-04
Contribution to eutrophication, freshwater	kg (PO4) ³⁻ eq	3,09E-06	8,19E-07	3,67E-09	2,14E-07	2,05E-06	6,08E-09	-3,70E-07
Contribution to eutrophication marine	kg N eq	5,41E-04	4,21E-04	2,96E-05	3,11E-05	3,44E-05	2,46E-05	-3,49E-05
Contribution to eutrophication, terrestrial	mol N eq	5,83E-03	4,49E-03	3,24E-04	2,35E-04	4,94E-04	2,87E-04	-3,04E-04
Contribution to photochemical ozone formation - human health	kg COVNM eq	1,71E-03	1,37E-03	8,19E-05	6,27E-05	1,02E-04	9,32E-05	-8,14E-05
Contribution to resource use, minerals and metals	kg Sb eq	1,56E-05	1,55E-05	0*	0*	2,04E-08	0*	-1,02E-05
Contribution to resource use, fossils	MJ	1,70E+01	5,91E+00	1,36E-01	3,08E-01	8,29E+00	2,38E+00	3,44E-01
Contribution to water use	m3 eq	1,24E-01	9,02E-02	3,71E-05	1,26E-02	3,13E-03	1,77E-02	-3,76E-02

Inventory flows Indicators			Unica socket outlet 2P+E, shucko,16A, shuttered, screw, complete product - Socket NU303718 - Fixing frame NU7002P - Cover frame NU600218					
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	7,77E-01	0*	1,82E-04	2,21E-02	7,66E-01	3,58E-04	1,88E-01
Contribution to use of renewable primary energy resources used as raw material	MJ	3,31E-01	3,31E-01	0*	0*	0*	0*	-2,93E-01
Contribution to total use of renewable primary energy resources	MJ	1,11E+00	3,20E-01	1,82E-04	2,21E-02	7,66E-01	3,58E-04	-1,05E-01
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1,59E+01	4,78E+00	1,36E-01	3,08E-01	8,29E+00	2,38E+00	-2,45E-01
Contribution to use of non renewable primary energy resources used as raw material	MJ	1,12E+00	1,12E+00	0*	0*	0*	0*	5,89E-01
Contribution to total use of non-renewable primary energy resources	MJ	1,70E+01	5,91E+00	1,36E-01	3,08E-01	8,29E+00	2,38E+00	3,44E-01
Contribution to use of secondary material	kg	1,93E-02	1,93E-02	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	2,88E-03	2,10E-03	8,64E-07	2,94E-04	7,28E-05	4,13E-04	-8,75E-04
Contribution to hazardous waste disposed	kg	1,21E+00	1,18E+00	0*	3,50E-04	6,43E-04	3,13E-02	-7,74E-01
Contribution to non hazardous waste disposed	kg	8,15E-01	6,93E-01	3,43E-04	9,62E-02	4,15E-03	2,13E-02	-4,00E-01
Contribution to radioactive waste disposed	kg	2,02E-04	1,86E-04	2,44E-07	1,29E-05	1,74E-06	8,92E-07	-4,64E-06
Contribution to components for reuse	kg	0,00E+00	0*	0*	0*	0*	0*	0,00E+00
Contribution to materials for recycling	kg	2,74E-02	0*	0*	1,63E-02	0*	1,11E-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 PCR_{ed4}, and the split of the Use Phase (B1 to B7), are available on demand in a digital format - Country Customer Care Center - <http://www.schneider-electric.com/contact>

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 :	SCHN-01026-V01.01-EN	Drafting rules	PEP-PCR-ed4-2021 09 06
Verifier accreditation N°	0	Supplemented by	PSR-0005-ed3-2023 06 06
Date of issue	10/2023	Information and reference documents	www.pep-ecopassport.org
		Validity period	5 years
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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