Product Environmental Profile

ELKO One SSO Schuko screwless pure white

as referent product for:

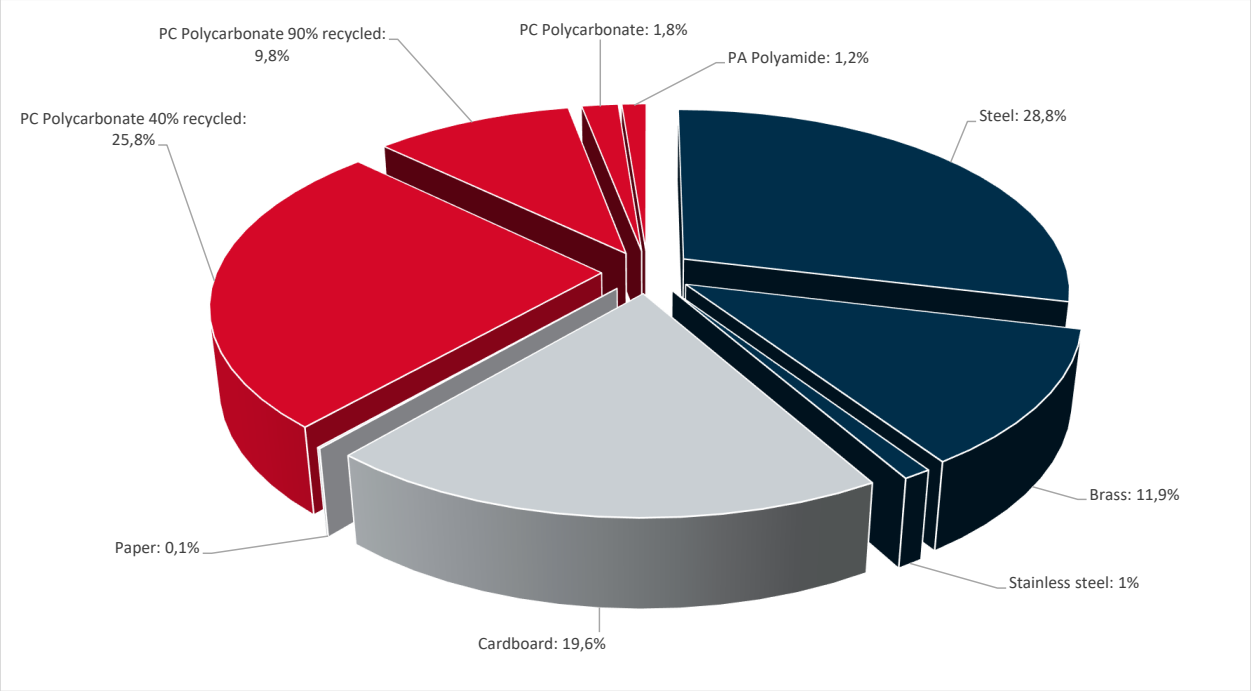
All ELKO single and triple socket outlet variants

General information

Reference product	ELKO One SSO Schuko screwless pure white - EKO50129+EKO50000
Description of the product	ELKO One single Schuko socket-outlet with center plate is provided with screwless terminals with the wire entrance on the side. Its Ue rated operational voltage is 250VAC at 50/60 Hz. Its Ie rated operational current is 16A.
Description of the range	Representative of all variants of ELKO single and triple socket outlets
	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	Connect/Disconnect during 20 years the plug of a load consuming 16A (In) under a voltage of 250VAC (U) while protecting the user from direct contact with live parts and with a protection class IP21 and IK06.

Constituent materials

Reference product mass	100 g	including the product, its packaging and additional elements and accessories



	Metals	41,7%
	Plastics	38,6%
	Others	19,7%

Substance assessment

Details of ROHS and REACH substances information are available on the ELKO website
https://www.elko.no/om-elko/miljo/

Additional environmental information

End Of Life	Recyclability potential:	**51%**	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).

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).			
Use scenario	Load rate: 50 % of 16A (In) Use rate: 50% of the time over 20 years (RLT)			
Geographical representativeness	Sweden, Norway			
Energy model used	**[A1 - A3]**	**[A5]**	**[B6]**	**[C1 - C4]**
	Electricity Mix; Production mix; Low voltage; GE	Electricity Mix; Production mix; Low voltage; SE	Electricity Mix; Production mix; Low voltage; SE	Electricity Mix; Production mix; Low voltage; SE

Mandatory Indicators			**ELKO One SSO Schuko screwless pure white - EKO50129+EKO50000**					
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	1,37E+00	4,19E-01	1,31E-02	3,59E-02	6,53E-01	2,44E-01	-1,35E-01
Contribution to climate change-fossil	kg CO2 eq	1,35E+00	4,11E-01	1,31E-02	3,43E-02	6,49E-01	2,44E-01	-1,33E-01
Contribution to climate change-biogenic	kg CO2 eq	1,30E-02	7,48E-03	0*	1,60E-03	3,94E-03	4,53E-06	-1,80E-03
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	5,79E-08	4,21E-08	2,01E-11	2,38E-09	1,27E-08	6,81E-10	-3,35E-08
Contribution to acidification	mol H+ eq	1,47E-02	3,43E-03	8,43E-05	1,42E-04	1,06E-02	4,38E-04	-1,02E-03
Contribution to eutrophication, freshwater	kg $(PO4)^{3-}$eq	4,18E-05	1,32E-06	4,91E-09	2,59E-07	4,02E-05	2,20E-08	-7,28E-07
Contribution to eutrophication marine	kg N eq	1,41E-03	3,73E-04	3,96E-05	3,77E-05	8,81E-04	8,20E-05	-1,12E-04
Contribution to eutrophication, terrestrial	mol N eq	4,41E-02	3,98E-03	4,35E-04	2,85E-04	3,84E-02	9,30E-04	-1,16E-03
Contribution to photochemical ozone formation - human health	kg COVNM eq	3,76E-03	1,33E-03	1,10E-04	7,60E-05	1,92E-03	3,17E-04	-3,61E-04
Contribution to resource use, minerals and metals	kg Sb eq	5,61E-05	5,54E-05	0*	0*	6,73E-07	0*	-4,40E-05
Contribution to resource use, fossils	MJ	1,74E+02	7,47E+00	1,83E-01	3,74E-01	1,57E+02	8,71E+00	-1,96E+00
Contribution to water use	m3 eq	2,89E-01	1,55E-01	4,97E-05	1,53E-02	6,28E-02	5,58E-02	-1,02E-01

Inventory flows Indicators			ELKO One SSO Schuko screwless pure white - EKO50129+EKO50000					
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	6,61E+01	0*	0*	2,68E-02	6,61E+01	0*	2,00E-01
Contribution to use of renewable primary energy resources used as raw material	MJ	3,93E-01	3,93E-01	0*	0*	0*	0*	-3,56E-01
Contribution to total use of renewable primary energy resources	MJ	6,65E+01	3,37E-01	0*	2,68E-02	6,61E+01	0*	-1,56E-01
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1,73E+02	6,86E+00	1,83E-01	3,74E-01	1,57E+02	8,71E+00	-2,55E+00
Contribution to use of non renewable primary energy resources used as raw material	MJ	6,12E-01	6,12E-01	0*	0*	0*	0*	5,95E-01
Contribution to total use of non-renewable primary energy resources	MJ	1,74E+02	7,47E+00	1,83E-01	3,74E-01	1,57E+02	8,71E+00	-1,96E+00
Contribution to use of secondary material	kg	2,12E-02	2,12E-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	6,74E-03	3,62E-03	1,16E-06	3,57E-04	1,46E-03	1,30E-03	-2,37E-03
Contribution to hazardous waste disposed	kg	4,33E+00	4,23E+00	0*	0*	2,11E-02	8,17E-02	-3,42E+00
Contribution to non hazardous waste disposed	kg	1,23E+00	9,09E-01	4,60E-04	1,17E-01	1,61E-01	4,25E-02	-5,47E-01
Contribution to radioactive waste disposed	kg	2,60E-04	2,25E-04	3,27E-07	1,57E-05	1,68E-05	1,94E-06	-3,11E-05
Contribution to components for reuse	kg	0,00E+00	0*	0*	0*	0*	0*	0,00E+00
Contribution to materials for recycling	kg	6,08E-02	0*	0*	1,97E-02	0*	4,11E-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 and the EF 3.0 method of calculation.

Detailed results, including all the optional indicators mentioned in PCRed4, and the split of the Use Phase (B1 to B7), are available on demand in a digital format - Country Customer Care Center - https://www.elko.no/kontakt-oss/

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 :	ELKO-01105-V01.01-EN	*Drafting rules*	PEP-PCR-ed4-2021 09 06
Verifier accreditation N°	VH48	*Supplemented by*	PSR-0005-ed2-2016 03 29
Date of issue	11/2023	*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	External X		
The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain)			
PEPs are compliant with XP C08-100-1 :2016 or EN 50693:2019			
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 »			

ELKO AS
Pb. 6598 Etterstad
0607 Oslo
Norway

https://www.elko.no/
Published by ELKO AS