

Product Environmental Profile

ELKO One DSO semi flush full cover Schuko screwless pure white
as referent product for:

All ELKO ranges as DSO and multiple outlets

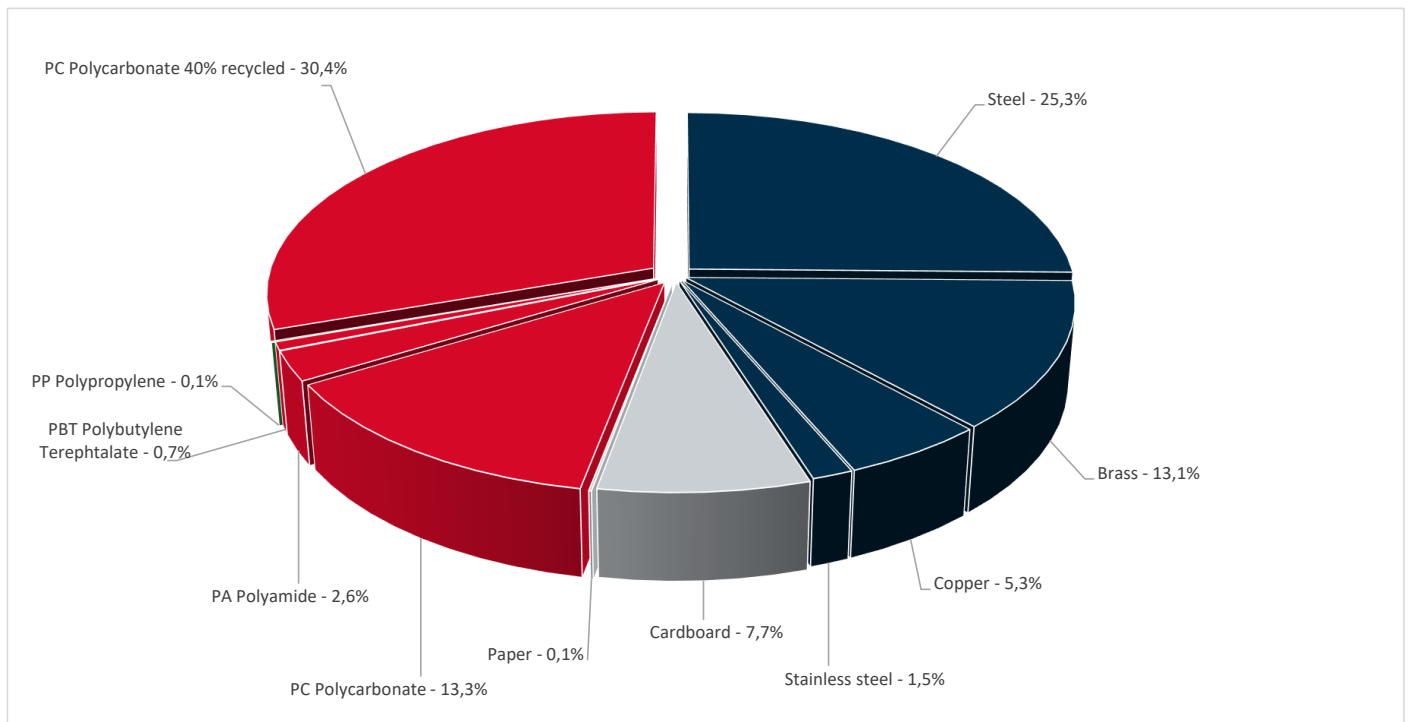


General information

Reference product	ELKO One DSO semi flush full cover Schuko screwless pure white - EKO50073
Description of the product	The main purpose of the double socket outlet (DSO) product is to give a solution for the infrastructures that give access to Electricity till the plug. Socket-outlet EKO50073 is a complete product with 2 socket outlets. The outlet pole configuration of this socket-outlet is 2P + E with shutters, protecting the children from possible electricity shock.
Description of the range	it contains all Elko double, triple and other multiple 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 under a voltage of 250V while protecting the user from direct contact with live parts and with a protection class IP20 in accordance with the standard IEC 60529 and IK08 in accordance with the standard IEC 62262.

Constituent materials

Reference product mass	112,7 g	including the product, its packaging and additional elements and accessories
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Plastics	47,1%
Metals	45,1%
Others	7,8%

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:	48%	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	The disposal of the packaging materials are accounted during the installation phase (including transport to disposal).		
Use scenario	Load rate: 50 % of In Use rate: 50% of the RLT		
Geographical representativeness	Sweden, Norway, Finland		
Energy model used	[A1 - A3]	[A5]	[B6]
	Electricity Mix; Production mix; Low voltage; GE	Electricity Mix; Production mix; Low voltage; SE	Electricity Mix; Production mix; Low voltage; SE
			[C1 - C4]
			Electricity Mix; Production mix; Low voltage; SE

Mandatory Indicators			ELKO One DSO semi flush full cover Schuko screwless pure white - EKO50073					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	Benefits
			[A1 - A3]	[A4]	[A5]	[B1 - B7]	[C1 - C4]	[D]
Contribution to climate change	kg CO2 eq	1,47E+00	5,24E-01	1,80E-02	1,60E-02	6,02E-01	3,09E-01	5,86E-02
Contribution to climate change-fossil	kg CO2 eq	1,45E+00	5,15E-01	1,80E-02	1,53E-02	5,98E-01	3,07E-01	5,86E-02
Contribution to climate change-biogenic	kg CO2 eq	1,47E-02	9,17E-03	0*	7,10E-04	3,63E-03	1,21E-03	4,34E-05
Contribution to climate change-land use and land use change	kg CO2 eq	2,01E-08	0*	0*	0*	0*	2,01E-08	0,00E+00
Contribution to ozone depletion	kg CFC-11 eq	4,94E-08	3,52E-08	2,76E-11	1,06E-09	1,17E-08	1,50E-09	2,08E-09
Contribution to acidification	mol H+ eq	1,52E-02	4,67E-03	1,20E-04	6,34E-05	9,75E-03	6,39E-04	1,24E-04
Contribution to eutrophication, freshwater	kg (PO4) ³⁻ eq	8,15E-05	1,39E-06	0*	1,15E-07	3,71E-05	4,29E-05	4,31E-08
Contribution to eutrophication marine	kg N eq	1,42E-03	4,19E-04	5,67E-05	1,68E-05	8,12E-04	1,15E-04	2,77E-05
Contribution to eutrophication, terrestrial	mol N eq	4,20E-02	4,50E-03	6,22E-04	1,27E-04	3,54E-02	1,34E-03	2,93E-04
Contribution to photochemical ozone formation - human health	kg COVNM eq	4,03E-03	1,65E-03	1,58E-04	3,38E-05	1,77E-03	4,19E-04	1,16E-04
Contribution to resource use, minerals and metals	kg Sb eq	3,19E-05	3,01E-05	0*	0*	6,20E-07	1,21E-06	8,88E-09
Contribution to resource use, fossils	MJ	1,68E+02	1,40E+01	2,51E-01	1,66E-01	1,44E+02	9,50E+00	1,32E+00
Contribution to water use	m3 eq	3,35E-01	1,76E-01	6,83E-05	6,82E-03	5,79E-02	9,43E-02	-1,69E-03

Inventory flows Indicators			ELKO One DSO semi flush full cover Schuko screwless pure white - EKO50073					
Inventory flows	Unit	Total	Manufact.	Distribution	Installation	Use	End of Life	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	6,11E+01	1,34E-01	0*	1,19E-02	6,09E+01	2,99E-02	9,53E-03
Contribution to use of renewable primary energy resources used as raw material	MJ	1,74E-01	1,74E-01	0*	0*	0*	0*	0,00E+00
Contribution to total use of renewable primary energy resources	MJ	6,13E+01	3,08E-01	0*	1,19E-02	6,09E+01	2,99E-02	9,53E-03
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1,67E+02	1,28E+01	2,51E-01	1,66E-01	1,44E+02	9,50E+00	8,91E-01
Contribution to use of non renewable primary energy resources used as raw material	MJ	1,26E+00	1,26E+00	0*	0*	0*	0*	4,24E-01
Contribution to total use of non-renewable primary energy resources	MJ	1,68E+02	1,40E+01	2,51E-01	1,66E-01	1,44E+02	9,50E+00	1,32E+00
Contribution to use of secondary material	kg	1,51E-02	1,51E-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	7,79E-03	4,09E-03	1,59E-06	1,59E-04	1,35E-03	2,20E-03	-3,94E-05
Contribution to hazardous waste disposed	kg	2,54E+00	2,41E+00	0*	0*	1,95E-02	1,05E-01	1,47E-06
Contribution to non hazardous waste disposed	kg	8,85E-01	6,26E-01	6,32E-04	5,20E-02	1,49E-01	5,70E-02	5,76E-02
Contribution to radioactive waste disposed	kg	2,69E-04	2,44E-04	4,50E-07	6,98E-06	1,54E-05	2,53E-06	3,30E-05
Contribution to components for reuse	kg	0,00E+00	0*	0*	0*	0*	0*	0,00E+00
Contribution to materials for recycling	kg	5,86E-02	0*	0*	8,78E-03	0*	4,99E-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 PCRred4, 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

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.

<i>Registration number :</i>	ELKO-01081-V01.01-EN	<i>Drafting rules</i>	PEP-PCR-ed4-2021 09 06
<i>Verifier accreditation N°</i>	VH48	<i>Supplemented by</i>	PSR-0005-ed2-2016 03 29
<i>Date of issue</i>	11/2023	<i>Information and reference documents</i>	www.pep-ecopassport.org
		<i>Validity period</i>	5 years
<i>Independent verification of the declaration and data, in compliance with ISO 14025 : 2006</i>			
Internal	External	X	
<i>The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDOMAIN)</i>			
<i>PEP are compliant with XP C08-100-1 :2016 or EN 50693:2019.</i>			
<i>The components of the present PEP may not be compared with components from any another program.</i>			
<i>Document in compliance with ISO 14025 : 2006 « Environmental labels and declarations. Type III environmental declarations »</i>			
			

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