Product Environmental Profile

Socket-outlet, ELKO RS, DCL, 2P+E, 6A, 250V, flush mounting, ceiling, pure white

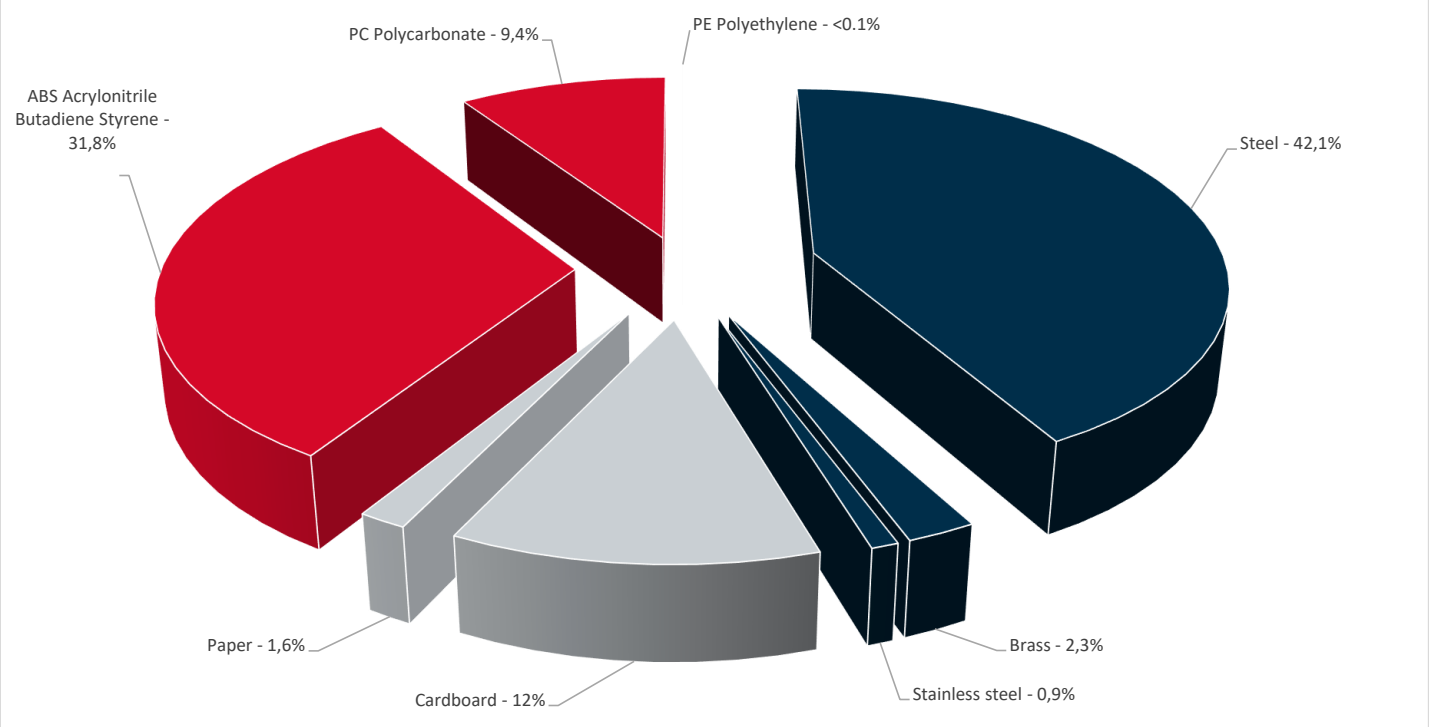
Representative of all types of ELKO device for connection of luminaires, flush or not and of all types of finishes

General information

Reference product	Socket-outlet, ELKO RS, DCL, 2P+E, 6A, 250V, flush mounting, ceiling, pure white - EKO07330
Description of the product	Connect/Disconnect during 20 years the plug of a load consuming 6A under a voltage of 250V while protecting the user from direct contact with live parts and with a protection class IP21
Description of the range	The products of the range are: all types of ELKO DCL, flush or not and all types of finishes 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 the plug of a load consuming In A maximum under a voltage of U while protecting the user from direct contact with live parts, and, if applicable, the specific specifications, in the Household/Commercial or Industrial application areas, according to the appropriate use scenario, and for the reference service life of the product of 20 years
Specifications are:	In = 6A U = 250 V

Constituent materials

Reference product mass	108 g	including the product, its packaging and additional elements and accessories



	Plastics	41,2%
	Metals	45,2%
	Others	13,6%

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%**	The recyclability rate was calculated from the recycling rates of each material making up the product with the exception of data using the ESR database. For materials or components using the ESR database or the absence of data the conservative hypothesis "0% recyclability" was used.

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 does not require special installation procedure and requires little to no energy to install. The disposal of the packaging materials are accounted for during the installation phase (including transport to disposal)
Use scenario	Load rate: 10% of In = 6A Use time rate: 30%
Time representativeness	The collected data are representative of the year 2025
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 représentaive of the actual type of technologies used to make the product.

Geographical representativeness	**Final assembly site**	**Use phase**	**End-of-life**
	Poland	Europe	Europe

Energy model used	**[A1 - A3]**	**[A5]**	**[B6]**	**[C1 - C4]**
	Electricity mix; Production mix; low voltage; 2022; Poland, PL	No energy used	Electricity mix; Consumption mix; Low voltage; 2022; Norway, NO Electricity mix; Production mix; low voltage; 2022; Sweden, SE Electricity mix; Production mix; low voltage; 2022; Finland, FI	Global and European 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 Center - https://www.elko.no/kontakt-oss/

Mandatory Indicators		**Socket-outlet, ELKO RS, DCL, 2P+E, 6A, 250V, flush mounting, ceiling, pure white - EKO07330**						
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	7,91E-01	6,18E-01	2,00E-02	3,84E-02	4,21E-03	1,11E-01	-1,84E-01
Contribution to climate change-fossil	kg CO2 eq	7,23E-01	5,72E-01	2,00E-02	1,74E-02	3,55E-03	1,10E-01	-2,01E-01
Contribution to climate change-biogenic	kg CO2 eq	6,87E-02	4,67E-02	8,17E-08	2,10E-02	6,60E-04	3,63E-04	1,67E-02
Contribution to climate change-land use and land use change	kg CO2 eq	1,41E-05	1,40E-05	3,02E-08	9,29E-10	0,00E+00	1,13E-07	0,00E+00
Contribution to ozone depletion	kg CFC-11 eq	1,33E-08	8,57E-09	2,42E-10	2,38E-10	4,04E-11	4,21E-09	-2,98E-08
Contribution to acidification	mol H+ eq	2,99E-03	2,32E-03	3,19E-05	5,08E-05	4,15E-05	5,39E-04	-1,18E-03
Contribution to eutrophication, freshwater	kg P eq	2,93E-06	1,99E-06	7,49E-08	3,62E-07	6,67E-08	4,30E-07	-5,35E-07
Contribution to eutrophication marine	kg N eq	5,11E-04	4,00E-04	5,86E-06	2,13E-05	4,00E-06	8,05E-05	-1,31E-04
Contribution to eutrophication, terrestrial	mol N eq	5,34E-03	4,00E-03	6,43E-05	1,54E-04	1,33E-04	9,88E-04	-1,45E-03
Contribution to photochemical ozone formation - human health	kg COVNM eq	1,62E-03	1,29E-03	2,07E-05	3,52E-05	1,02E-05	2,63E-04	-4,89E-04
Contribution to resource use, minerals and metals	kg Sb eq	5,11E-06	5,04E-06	7,12E-09	1,04E-09	2,39E-08	3,53E-08	-5,78E-05
Contribution to resource use, fossils	MJ	2,11E+01	1,80E+01	3,56E-01	1,73E-01	2,97E-01	2,25E+00	-4,45E+00
Contribution to water use	m3 eq	1,86E-01	1,67E-01	7,20E-04	1,40E-03	2,95E-03	1,39E-02	-8,41E-02

Inventory flows Indicators		**Socket-outlet, ELKO RS, DCL, 2P+E, 6A, 250V, flush mounting, ceiling, pure white - EKO07330**						
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 use of renewable primary energy excluding renewable primary energy used as raw material	MJ	9,09E-01	2,88E-01	1,12E-03	2,26E-02	5,13E-01	8,41E-02	1,66E-02
Contribution to use of renewable primary energy resources used as raw material	MJ	3,87E-01	3,87E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-2,18E-01
Contribution to total use of renewable primary energy resources	MJ	1,30E+00	6,75E-01	1,12E-03	2,26E-02	5,13E-01	8,41E-02	-2,01E-01
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1,92E+01	1,61E+01	3,56E-01	1,73E-01	2,97E-01	2,25E+00	-4,45E+00
Contribution to use of non renewable primary energy resources used as raw material	MJ	1,95E+00	1,95E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0*

Contribution to total use of non-renewable primary energy resources	MJ	2,11E+01	1,80E+01	3,56E-01	1,73E-01	2,97E-01	2,25E+00	-4,45E+00
Contribution to use of secondary material	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Contribution to use of renewable secondary fuels	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Contribution to use of non renewable secondary fuels	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Contribution to net use of freshwater	m³	4,72E-03	4,13E-03	1,68E-05	1,08E-04	6,88E-05	4,03E-04	-1,96E-03
Contribution to hazardous waste disposed	kg	3,35E-01	3,16E-01	8,35E-05	9,15E-04	5,65E-04	1,76E-02	-4,56E+00
Contribution to non hazardous waste disposed	kg	2,29E-01	1,48E-01	1,85E-03	6,12E-03	5,45E-03	6,75E-02	-1,58E-01
Contribution to radioactive waste disposed	kg	7,35E-05	6,28E-05	1,47E-06	1,13E-06	2,38E-07	7,83E-06	-7,12E-05
Contribution to components for reuse	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Contribution to materials for recycling	kg	1,04E-01	4,36E-02	0,00E+00	1,21E-02	0,00E+00	4,83E-02	0,00E+00
Contribution to materials for energy recovery	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Contribution to exported energy	MJ	1,19E-03	6,50E-05	0,00E+00	6,43E-04	0,00E+00	4,78E-04	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	4,30E-03

Mandatory Indicators		Socket-outlet, ELKO RS, DCL, 2P+E, 6A, 250V, flush mounting, ceiling, pure white - EKO07330							
Impact indicators	**Unit**	**[B1 - B7] - Use**	**[B1]**	**[B2]**	**[B3]**	**[B4]**	**[B5]**	**[B6]**	**[B7]**
Contribution to climate change	kg CO2 eq	4,21E-03	0*	0*	0*	0*	0*	4,21E-03	0*
Contribution to climate change-fossil	kg CO2 eq	3,55E-03	0*	0*	0*	0*	0*	3,55E-03	0*
Contribution to climate change-biogenic	kg CO2 eq	6,60E-04	0*	0*	0*	0*	0*	6,60E-04	0*
Contribution to climate change-land use and land use change	kg CO2 eq	0,00E+00	0*	0*	0*	0*	0*	0,00E+00	0*
Contribution to ozone depletion	kg CFC-11 eq	4,04E-11	0*	0*	0*	0*	0*	4,04E-11	0*
Contribution to acidification	mol H+ eq	4,15E-05	0*	0*	0*	0*	0*	4,15E-05	0*
Contribution to eutrophication, freshwater	kg P eq	6,67E-08	0*	0*	0*	0*	0*	6,67E-08	0*
Contribution to eutrophication marine	kg N eq	4,00E-06	0*	0*	0*	0*	0*	4,00E-06	0*
Contribution to eutrophication, terrestrial	mol N eq	1,33E-04	0*	0*	0*	0*	0*	1,33E-04	0*
Contribution to photochemical ozone formation - human health	kg COVNM eq	1,02E-05	0*	0*	0*	0*	0*	1,02E-05	0*
Contribution to resource use, minerals and metals	kg Sb eq	2,39E-08	0*	0*	0*	0*	0*	2,39E-08	0*
Contribution to resource use, fossils	MJ	2,97E-01	0*	0*	0*	0*	0*	2,97E-01	0*
Contribution to water use	m3 eq	2,95E-03	0*	0*	0*	0*	0*	2,95E-03	0*

Inventory flows Indicators		Socket-outlet, ELKO RS, DCL, 2P+E, 6A, 250V, flush mounting, ceiling, pure white - EKO07330							
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	5,13E-01	0*	0*	0*	0*	0*	5,13E-01	0*
Contribution to use of renewable primary energy resources used as raw material	MJ	0,00E+00	0*	0*	0*	0*	0*	0,00E+00	0*
Contribution to total use of renewable primary energy resources	MJ	5,13E-01	0*	0*	0*	0*	0*	5,13E-01	0*
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	2,97E-01	0*	0*	0*	0*	0*	2,97E-01	0*
Contribution to use of non renewable primary energy resources used as raw material	MJ	0,00E+00	0*	0*	0*	0*	0*	0,00E+00	0*
Contribution to total use of non-renewable primary energy resources	MJ	2,97E-01	0*	0*	0*	0*	0*	2,97E-01	0*
Contribution to use of secondary material	kg	0,00E+00	0*	0*	0*	0*	0*	0,00E+00	0*
Contribution to use of renewable secondary fuels	MJ	0,00E+00	0*	0*	0*	0*	0*	0,00E+00	0*
Contribution to use of non renewable secondary fuels	MJ	0,00E+00	0*	0*	0*	0*	0*	0,00E+00	0*
Contribution to net use of freshwater	m³	6,88E-05	0*	0*	0*	0*	0*	6,88E-05	0*
Contribution to hazardous waste disposed	kg	5,65E-04	0*	0*	0*	0*	0*	5,65E-04	0*
Contribution to non hazardous waste disposed	kg	5,45E-03	0*	0*	0*	0*	0*	5,45E-03	0*
Contribution to radioactive waste disposed	kg	2,38E-07	0*	0*	0*	0*	0*	2,38E-07	0*
Contribution to components for reuse	kg	0,00E+00	0*	0*	0*	0*	0*	0,00E+00	0*
Contribution to materials for recycling	kg	0,00E+00	0*	0*	0*	0*	0*	0,00E+00	0*
Contribution to materials for energy recovery	kg	0,00E+00	0*	0*	0*	0*	0*	0,00E+00	0*
Contribution to exported energy	MJ	0,00E+00	0*	0*	0*	0*	0*	0,00E+00	0*

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

Life cycle assessment performed with EIME version , database version in compliance with ISO14044, EF 3.0 method is applied, for biogenic carbon storage, assessment methodology 0/0 is used

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.

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		Supplemented by	PSR-0005-ed3.1-EN-2023 12 08
Verifier accreditation N°	VH42	*Information and reference documents*	www.pep-ecopassport.org
Date of issue	05-2026	*Validity period*	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2006			
Internal	External		
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)			
PEPs are compliant with XP C08-100-1:2016 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 14025:2006 “Environmental labels and declarations. Type III environmental declarations”			

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