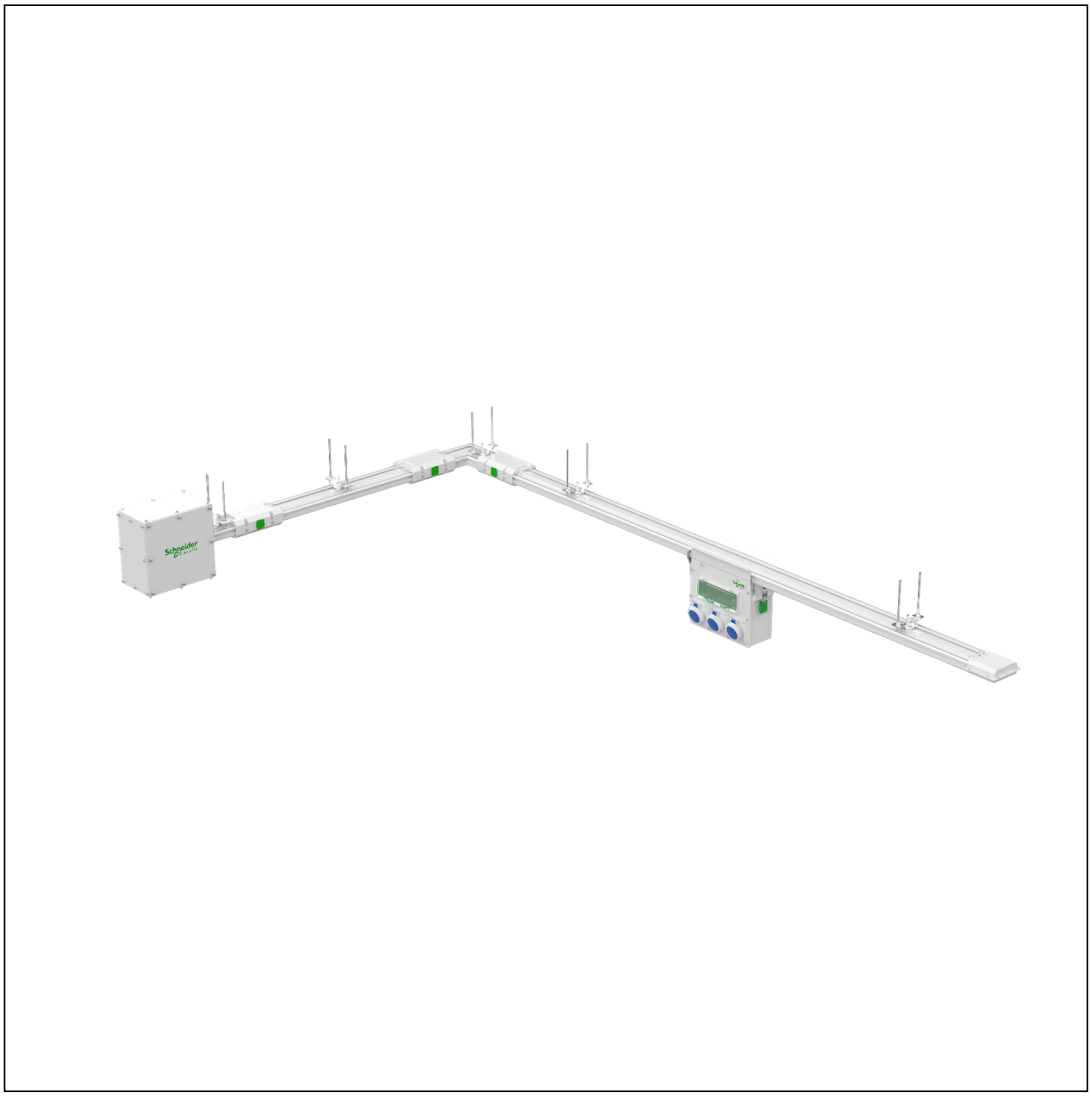
Product Environmental Profile

I-LINE Track 250A-630A

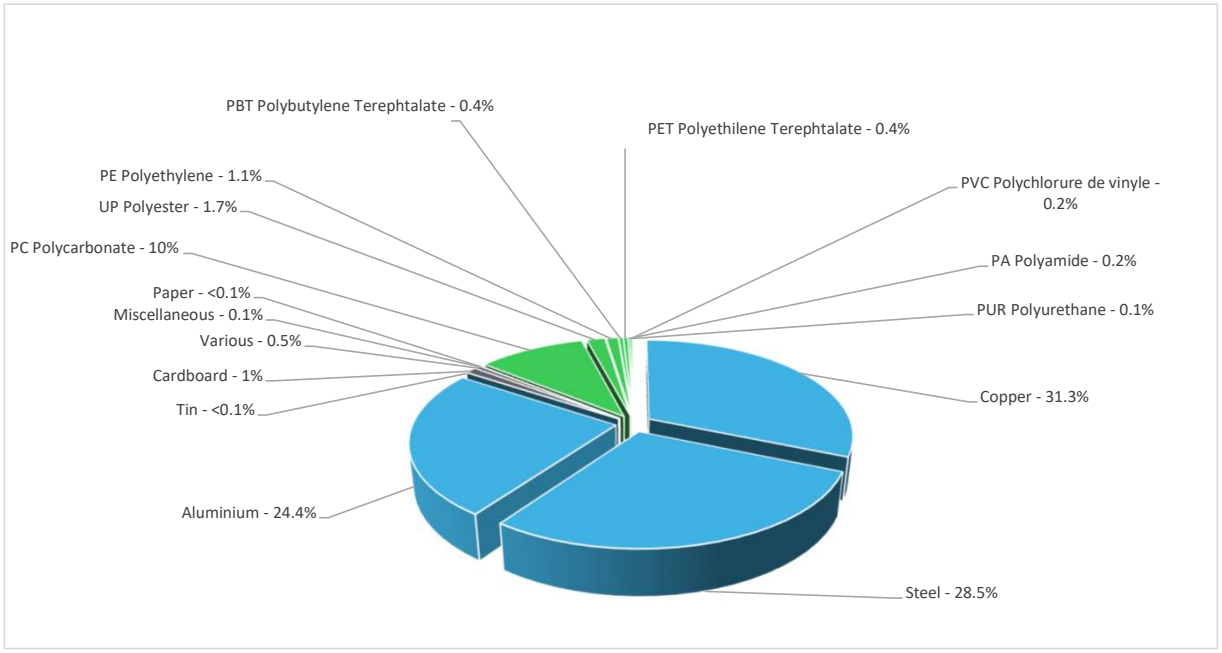


General information

Reference product	I-LINE Track 250A-630A
Description of the product	I-LINE Track is part of a comprehensive offering of products designed to operate together. This concept covers all low and medium voltage electrical distribution components. The result is an optimised electrical installation with even higher performance through full electrical, mechanical and communication compatibility. With the I-LINE track, we get a complete type tested distribution solution that complies with GB7251.6,IEC61439-6. It is suitable for occasions requiring efficient and safe transmission and distribution, such as industrial plants, data centers, commercial buildings and power distribution rooms.
Functional unit	The main purpose of the I-LINE Track 250A configuration is to transport and distribute electrical energy for medium power applications for 20 years with following technical characteristics, Tap-off units rated current: 16 to 128A Number of active conductors: 3L+N+PE(AL housing), 3L+N+PE(CU bar) Protection index: IP20/42, IK10 Length of busbar trunking sections: 1.2, 1.8, 3m Regulations: compliant with GB7251.6, IEC61439-6

Constituent materials

Reference product mass	61500 g	including the product, its packaging and additional elements and accessories



	Plastic	14.1%
	Metals	84.3%
	Others	1.6%

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:	**84%**	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	Other equipments - Passive product - continuous operation			
Installation elements	I-LINE Track 250A-630A does not require any installation operations, the disposal of the packaging materials are accounted for 2.2% during the installation phase (including transport to disposal).			
Use scenario	load rate / rated current (In): 30 % of In percentage of utilization time: 100%			
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			
Geographical representativeness	China			
Energy model used	**[A1 - A3]**	**[A5]**	**[B6]**	**[C1 - C4]**
	Electricity Mix; Production mix; Low voltage; CN	Electricity Mix; Production mix; Low voltage; CN	Electricity Mix; Production mix; Low voltage; CN	Electricity Mix; Production mix; Low voltage; CN

Detailed results, including all the optional indicators mentioned in PCRed4, and the split of the Use Phase (B1 to B7), are available in the LCA report and on demand in a digital format - Country Customer Care Center - http://www.schneider-electric.com/contact

Mandatory Indicators		**I-LINE Track 250A-630A -**						
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	1.41E+03	4.11E+02	1.77E+01	9.60E-01	8.67E+02	1.12E+02	-3.82E+03
Contribution to climate change-fossil	kg CO2 eq	1.39E+03	3.94E+02	1.77E+01	9.53E-01	8.67E+02	1.08E+02	-3.69E+03
Contribution to climate change-biogenic	kg CO2 eq	2.04E+01	1.64E+01	0*	7.25E-03	1.24E-01	3.92E+00	-1.31E+02
Contribution to climate change-land use and land use change	kg CO2 eq	6.93E-05	0*	0*	3.83E-06	0*	6.54E-05	0.00E+00
Contribution to ozone depletion	kg CFC-11 eq	8.71E-05	6.36E-05	1.56E-05	3.31E-08	4.95E-06	2.94E-06	-5.78E-04
Contribution to acidification	mol H+ eq	1.34E+01	6.13E+00	7.70E-02	1.60E-03	6.49E+00	7.16E-01	-5.25E+01
Contribution to eutrophication, freshwater	kg $(PO4)^{3-}$ eq	1.41E-01	1.45E-03	0*	3.11E-05	1.83E-04	1.39E-01	-1.31E-02
Contribution to eutrophication marine	kg N eq	1.17E+00	3.28E-01	3.54E-02	5.98E-04	6.94E-01	1.15E-01	-2.29E+00
Contribution to eutrophication, terrestrial	mol N eq	1.33E+01	3.64E+00	3.84E-01	5.36E-03	7.86E+00	1.38E+00	-2.55E+01
Contribution to photochemical ozone formation - human health	kg COVNM eq	4.21E+00	1.39E+00	1.26E-01	1.66E-03	2.32E+00	3.72E-01	-1.02E+01
Contribution to resource use, minerals and metals	kg Sb eq	6.67E-02	6.28E-02	0*	0*	1.11E-05	3.93E-03	-2.87E-01
Contribution to resource use, fossils	MJ	2.60E+04	7.57E+03	2.15E+02	0*	1.40E+04	4.20E+03	-5.26E+04
Contribution to water use	m3 eq	4.13E+02	2.50E+02	8.99E-01	1.05E+00	3.83E+01	1.23E+02	-2.11E+03

Additional indicators for the French regulation are available as well

Inventory flows Indicators			I-LINE Track 250A-630A -					
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	1.88E+03	3.06E+02	0*	8.73E-01	1.48E+03	9.42E+01	-2.83E+03
Contribution to use of renewable primary energy resources used as raw material	MJ	1.29E+01	1.29E+01	0*	0*	0*	0*	-5.54E-01
Contribution to total use of renewable primary energy resources	MJ	1.90E+03	3.19E+02	0*	8.73E-01	1.48E+03	9.42E+01	-2.83E+03
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	2.57E+04	7.25E+03	2.15E+02	0*	1.40E+04	4.20E+03	-5.26E+04
Contribution to use of non renewable primary energy resources used as raw material	MJ	3.16E+02	3.16E+02	0*	0*	0*	0*	-5.01E+01
Contribution to total use of non-renewable primary energy resources	MJ	2.60E+04	7.57E+03	2.15E+02	0*	1.40E+04	4.20E+03	-5.26E+04
Contribution to use of secondary material	kg	0.00E+00	0*	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	9.62E+00	5.83E+00	2.09E-02	2.44E-02	8.91E-01	2.86E+00	-4.91E+01
Contribution to hazardous waste disposed	kg	4.62E+03	4.53E+03	0*	0*	2.63E+01	6.17E+01	-2.60E+04
Contribution to non hazardous waste disposed	kg	6.96E+02	5.35E+02	0*	9.98E-01	1.51E+02	8.97E+00	-5.55E+03
Contribution to radioactive waste disposed	kg	3.93E-01	3.82E-01	3.52E-03	1.00E-04	6.18E-03	9.09E-04	-4.38E+00
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	5.16E+01	0*	0*	7.20E-01	0*	5.08E+01	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	3.58E-01	0*	0*	3.58E-01	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 PCRed4, and the split of the Use Phase (B1 to B7), are available in the LCA report and on demand in a digital format - Country Customer Care Center - http://www.schneider-electric.com/contact

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 :	ENVPEP2302016_V1	*Drafting rules*	PEP-PCR-ed4-2021 09 06
Date of issue	2023/06/07	*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 Philippe Osset (SOLINNEN)

PEP are compliant with XP C08-100-1 :2016

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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