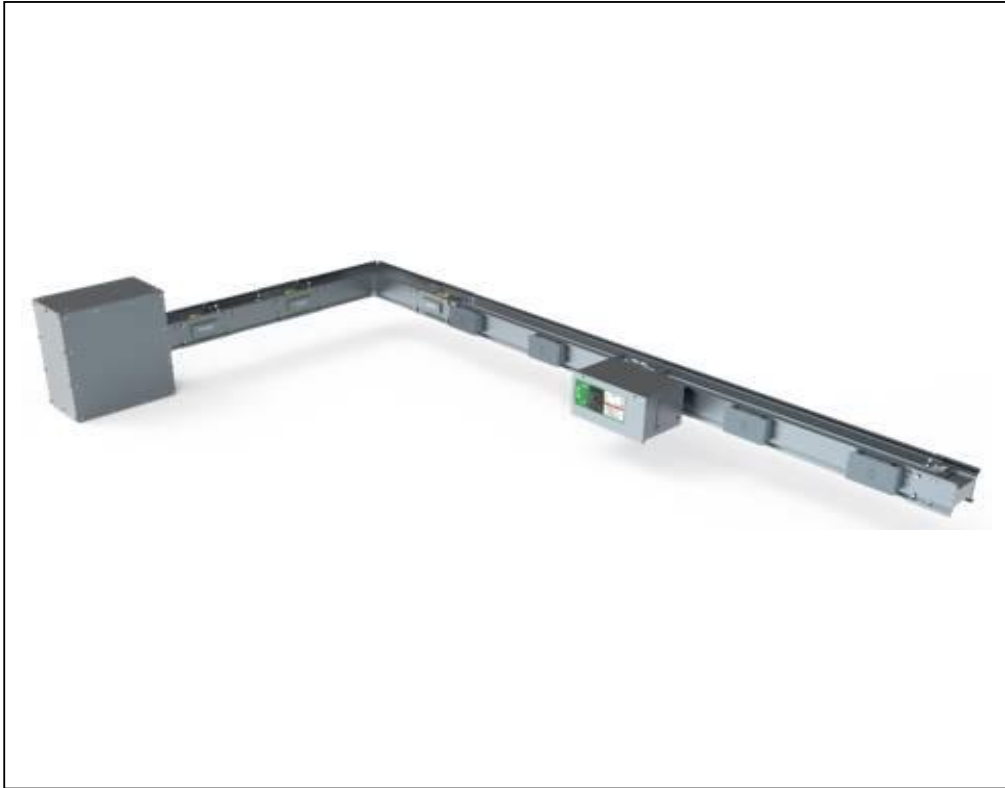


Product Environmental Profile

I-LINE H 400A-5000A

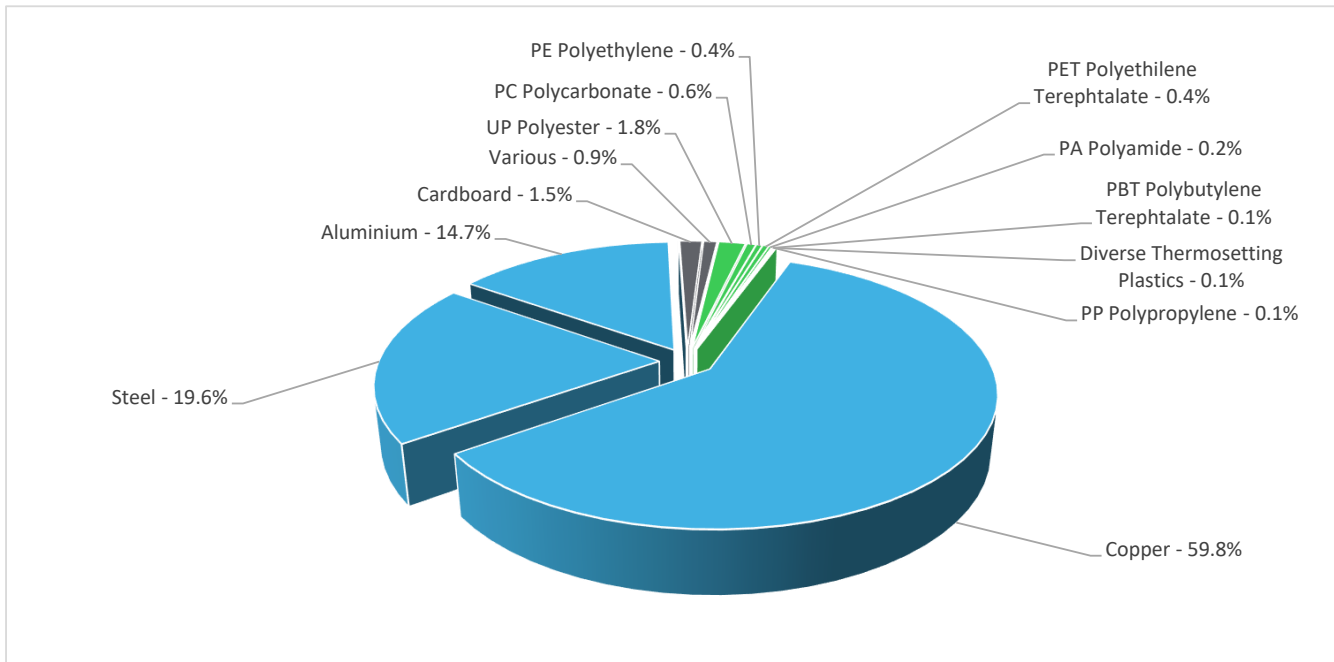


General information

Representative product	<p>The product used for the analysis is the typical product, I-LINE H 3200A, which consists of:</p> <ul style="list-style-type: none"> 1 x 1m Transport Component (cat. no. CFH4532G1000STM54) 1 x 3 m Distribution Component (cat. no. CRH4532G3000S3M54) 1 x 3200A Feed unit (cat. no. CFH4532G0580ETBSM54) 1 x 3200A Elbow (cat. no. CFH4532G1030LFIFEB0390F0640M54) 2 Plug-in units in each (cat. no. P1H5NSXN4250G1M54 - P2H5NSN4800G2M54)
Description of the product	<p>I-LINE H is part of a comprehensive offering of Schneider Electric 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.</p> <p>With the I-LINE H, we get a complete type tested distribution solution that complies with GB7251.6,IEC61439-6.</p> <p>It is suitable for occasions requiring efficient and safe transmission and distribution, such as industrial plants, data centers, commercial buildings and power distribution rooms.</p>
Functional unit	<p>The main purpose of the I-LINE H 3200A configuration is to transport and distribute electrical energy for high power applications for 20 years with following technical characteristics:</p> <ul style="list-style-type: none"> Tap-off units rated current: 16 to 1000A Number of active conductors: 3L+PE, 3L+N+PE(AL), 3L+N+PE(CU) Protection index: IP54- IP66, IK10, Sprinkler resistant Length of busbar trunking sections: 4m Regulations: compliant with GB7251.6,IEC61439-6

Constituent materials

Reference product mass 433000 g including the product, its packaging and additional elements and accessories



	Plastics	3.6%
	Metals	94.0%
	Others	2.4%

Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 8 June 2011 and EU 2015/863) and do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium, flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers – PBDE), or phthalates (Bis(2-ethylhexyl) phthalate DEHP, Butyl benzyl phthalate -BBP, Dibutyl phthalate – DBP, Diisobutyl phthalate - DIBP) as mentioned in the Directive

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website

<http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page>

Additional environmental information

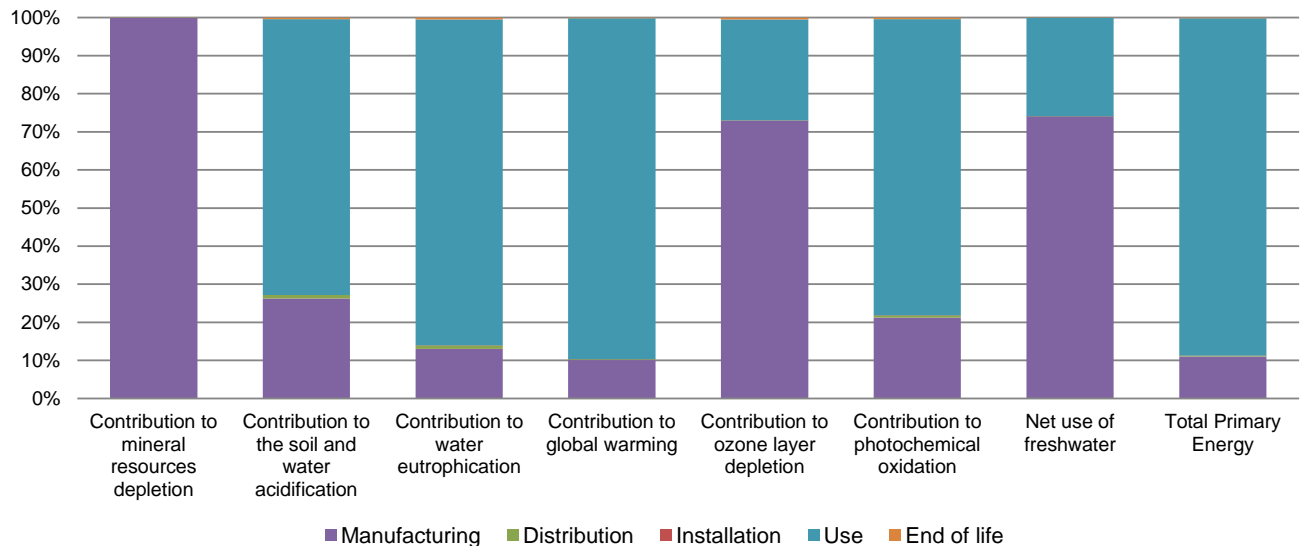
The I-LINE H 400A-5000A presents the following relevant environmental aspects

Manufacturing	Manufactured at a Schneider Electric production site ISO14001 certified
Distribution	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 8273.3 g, consisting of cardboard (21.5%), PE (19.4%), wood (59.1%)
Installation	I-LINE H 3200A does not require any installation operations.
Use	The product does not require special maintenance operations.
End of life	End of life optimized to decrease the amount of waste and allow recovery of the product components and materials No special end-of-life treatment required. According to countries' practices this product can enter the usual end-of-life treatment process. Recyclability potential: 84% Based on "ECO'DEEE recyclability and recoverability calculation method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).

Environmental impacts

Reference life time	20 years			
Product category	Other equipments - Passive product - continuous operation			
Installation elements	No special components needed			
Use scenario	load rate / rated current (In): 30 % of In percentage of utilization time: 100% Assumed service lifetime is 20 years and use scenario is : product dissipation is 103.5W, loading rate is 30%			
Geographical representativeness	China			
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.			
Energy model used	Manufacturing	Installation	Use	End of life
	Energy model used: China	Electricity mix; AC; consumption mix, at consumer; 220V; CN	Electricity mix; AC; consumption mix, at consumer; 220V; CN	Electricity mix; AC; consumption mix, at consumer; 220V; CN

Compulsory indicators		I-LINE H 400A-5000A - I-LINE H 3200A					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	4.37E-01	4.37E-01	0*	0*	8.10E-05	0*
Contribution to the soil and water acidification	kg SO ₂ eq	2.76E+01	7.24E+00	2.55E-01	0*	2.00E+01	1.23E-01
Contribution to water eutrophication	kg PO ₄ ³⁻ eq	6.17E+00	8.03E-01	5.88E-02	0*	5.28E+00	2.94E-02
Contribution to global warming	kg CO ₂ eq	2.06E+04	2.08E+03	5.59E+01	0*	1.84E+04	4.22E+01
Contribution to ozone layer depletion	kg CFC11 eq	5.53E-04	4.03E-04	1.13E-07	0*	1.47E-04	2.61E-06
Contribution to photochemical oxidation	kg C ₂ H ₄ eq	3.04E+00	6.45E-01	1.82E-02	0*	2.36E+00	1.32E-02
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	7.97E+01	5.91E+01	0*	0*	2.06E+01	4.93E-02
Total Primary Energy	MJ	3.41E+05	3.75E+04	7.90E+02	0*	3.02E+05	6.16E+02



Optional indicators		I-LINE H 400A-5000A - I-LINE H 3200A					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	3.00E+05	1.99E+04	7.85E+02	0*	2.79E+05	4.95E+02
Contribution to air pollution	m³	3.44E+06	1.52E+06	2.38E+03	0*	1.91E+06	4.36E+03
Contribution to water pollution	m³	1.07E+06	1.38E+05	9.19E+03	0*	9.17E+05	4.72E+03
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	4.31E+01	4.31E+01	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	1.74E+04	1.89E+03	0*	0*	1.55E+04	0*
Total use of non-renewable primary energy resources	MJ	3.23E+05	3.56E+04	7.89E+02	0*	2.86E+05	6.15E+02
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	1.72E+04	1.76E+03	0*	0*	1.55E+04	0*
Use of renewable primary energy resources used as raw material	MJ	1.32E+02	1.32E+02	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	3.23E+05	3.50E+04	7.89E+02	0*	2.86E+05	6.15E+02
Use of non renewable primary energy resources used as raw material	MJ	6.54E+02	6.54E+02	0*	0*	0*	0*
Use of non renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*
Use of renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*
Waste categories	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Hazardous waste disposed	kg	4.00E+04	3.89E+04	0*	0*	5.95E+02	4.92E+02
Non hazardous waste disposed	kg	5.69E+03	2.34E+03	1.98E+00	0*	3.35E+03	1.90E+00
Radioactive waste disposed	kg	1.77E+00	1.65E+00	1.41E-03	0*	1.10E-01	2.93E-03

Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	4.08E+02	4.26E+01	0*	8.08E+00	0*	3.58E+02
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	8.52E-01	0*	0*	0*	0*	8.52E-01
Exported Energy	MJ	2.11E-02	1.98E-03	0*	1.91E-02	0*	0*

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

Life cycle assessment performed with EIME version EIME v5.9.3, database version 2016-11 in compliance with ISO14044.

The use phase and manufacturing phase (ADPe for EN15804, ODP for EN15804, freshwater, secondary material) is the life cycle phase which has the greatest impact on the majority of environmental indicators (based on compulsory indicators).

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	ENVPEP2102021_V1	Drafting rules	PCR-ed3-EN-2015 04 02
Date of issue	08/2022	Supplemented by	PSR-0005-ed2-EN-2016 03 29
Validity period	5 years	Information and reference documents	www.pep-ecopassport.org
Independent verification of the declaration and data			
Internal	X	External	
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 - Self-declared environmental claims (Type II environmental labelling) »			

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