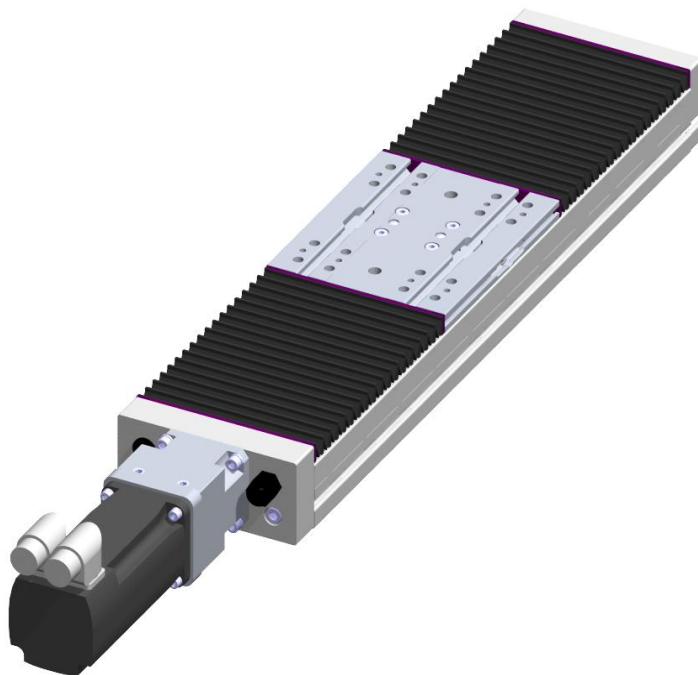


Product Environmental Profile

Lexium TAS41 to TAS43 Range: 0,4Nm to 6,4Nm





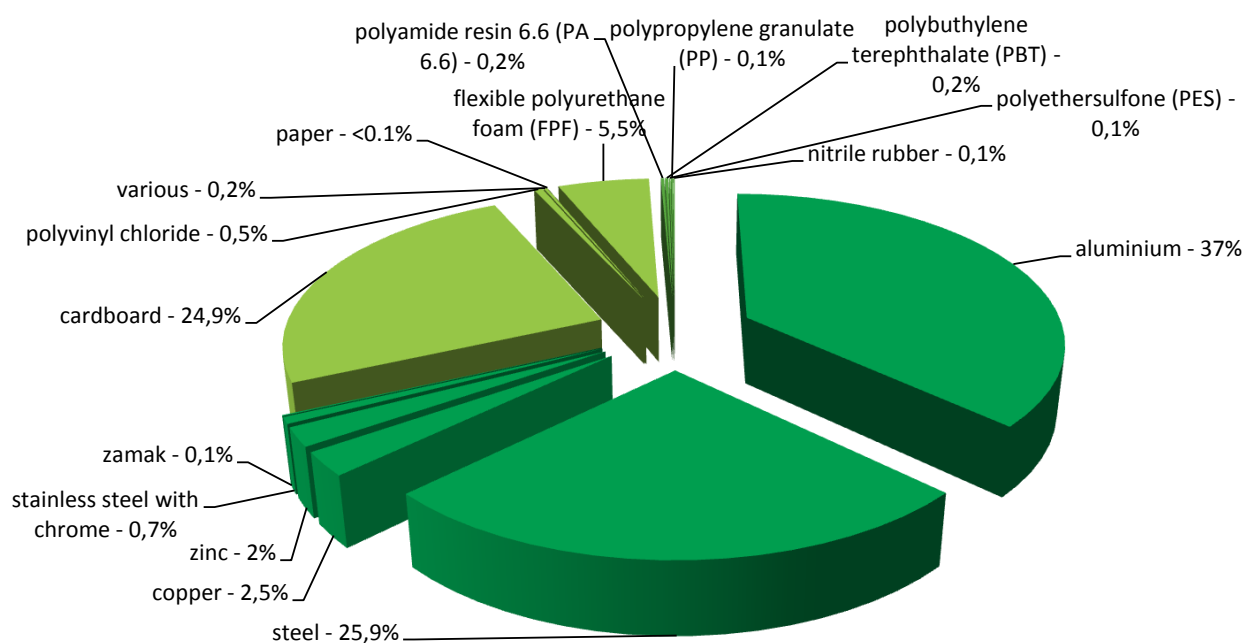
General information

Representative product	Lexium TAS41 to TAS43 Range: 0,4Nm to 6,4Nm -TAS41SBC0200A1BS / H7 9
Description of the product	Lexium TAS41 to TAS43 Range: 0,4Nm to 6,4Nm
Description of the range	<p>The main purpose of the Lexium TAS 41 to TAS 43 - 0,4 Nm to 6,4 Nm is to provide mechanical linear axes to build up complete electromechanical solutions for industrial applications together with the Schneider Electric motor offer.</p> <p>The environmental impacts of this referenced product are representative of the impacts of the other products of the range which are developed with a similar technology.</p>
Functional unit	TAS linear tables support high-precision linear positioning of heavy loads at high feed forces during 10 years with a 75% use rate (dependent on load and dynamic).



Constituent materials

Reference product mass 11260,6 g including the product, its packaging and additional elements and accessories



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 do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium or flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers - PBDE) as mentioned in the Directive

As the products of the range are designed in accordance with the RoHS Directive (European Directive 2002/95/EC of 27 January 2003), they can be incorporated without any restriction in an assembly or an installation subject to this 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 Lexium TAS41 to TAS43 Range: 0,4Nm to 6,4Nm 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 3405,6 g, consisting of cardboard (82,2%), polyurethane foam (17,6%), and paper (0,2%) Product distribution optimised by setting up local distribution centres
Installation	The product 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: 76% 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).

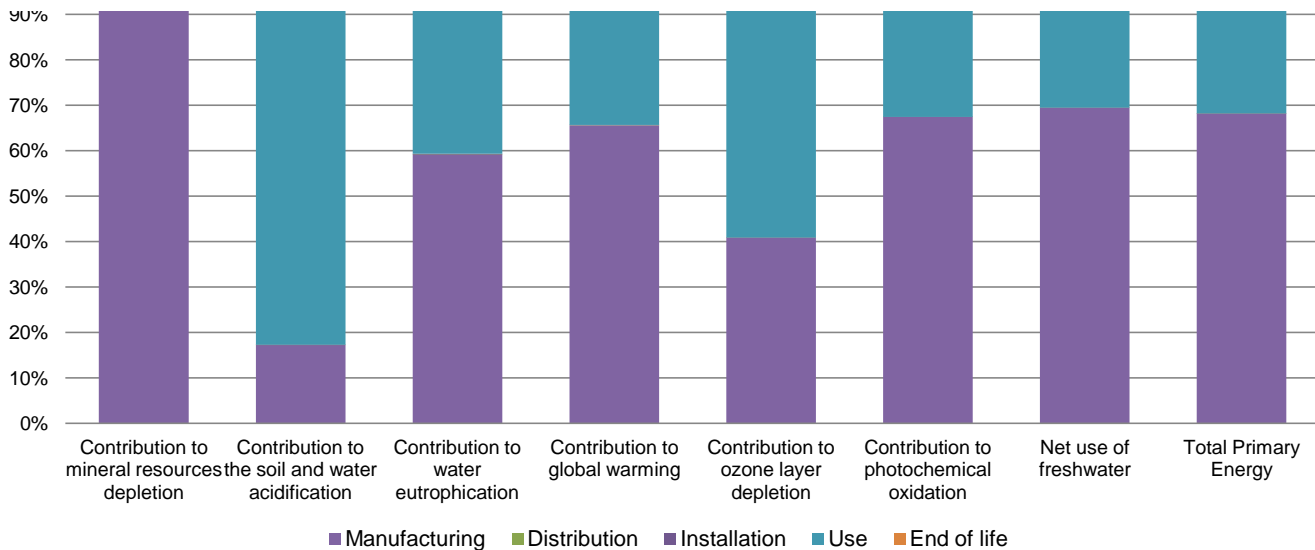
Environmental impacts

Reference life time	10 years			
Installation elements	No special components needed			
Use scenario	The product is in active mode 75% of the time with a power use of 95,1W for 10 years.			
Geographical representativeness	Europe			
Technological representativeness	Lexium TAS41 to TAS43 Range: 0,4Nm to 6,4Nm			
Energy model used	Manufacturing	Installation	Use	End of life
	Energy model used: Germany	Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27

Compulsory indicators		Lexium TAS41 to TAS43 Range: 0,4Nm to 6,4Nm - TAS41SBC0200A1BS / H7 9					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	3,56E-03	3,40E-03	0*	0*	1,68E-04	0*
Contribution to the soil and water acidification	kg SO ₂ eq	3,37E+01	5,82E+00	6,63E-03	0*	2,79E+01	0*
Contribution to water eutrophication	kg PO ₄ ³⁻ eq	2,57E+00	1,52E+00	1,53E-03	0*	1,05E+00	5,41E-04
Contribution to global warming	kg CO ₂ eq	1,07E+04	7,05E+03	1,45E+00	0*	3,69E+03	0*
Contribution to ozone layer depletion	kg CFC11 eq	1,52E-03	6,19E-04	0*	0*	8,96E-04	0*
Contribution to photochemical oxidation	kg C ₂ H ₄ eq	4,05E+00	2,73E+00	4,73E-04	0*	1,32E+00	0*

Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	3,15E+01	2,19E+01	0*	0*	9,62E+00	0*
Total Primary Energy	MJ	2,35E+05	1,60E+05	0*	0*	7,47E+04	0*





Optional indicators		Lexium TAS41 to TAS43 Range: 0,4Nm to 6,4Nm - TAS41SBC0200A1BS / H7 9					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	1,40E+05	1,02E+05	2,04E+01	0*	3,80E+04	0*
Contribution to air pollution	m³	1,22E+06	1,06E+06	0*	0*	1,58E+05	0*
Contribution to water pollution	m³	4,33E+05	2,78E+05	2,39E+02	0*	1,55E+05	8,69E+01
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	5,22E+00	5,22E+00	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	5,52E+03	1,73E+02	0*	0*	5,35E+03	0*
Total use of non-renewable primary energy resources	MJ	2,30E+05	1,60E+05	0*	0*	6,94E+04	0*
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	5,52E+03	1,73E+02	0*	0*	5,35E+03	0*
Use of renewable primary energy resources used as raw material	MJ	0,00E+00	0*	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	2,30E+05	1,60E+05	0*	0*	6,94E+04	0*
Use of non renewable primary energy resources used as raw material	MJ	3,00E+01	3,00E+01	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	1,08E+03	1,07E+03	0*	6,82E+00	0*	9,81E+00
Non hazardous waste disposed	kg	1,44E+04	5,91E+02	0*	0*	1,38E+04	0*
Radioactive waste disposed	kg	1,23E+01	1,00E+00	0*	0*	1,12E+01	0*
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	6,76E+00	8,22E-01	0*	0*	0*	5,94E+00
Components for reuse	kg	0,00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	6,40E-03	6,28E-04	0*	4,00E-06	0*	5,77E-03
Exported Energy	MJ	0,00E+00	0*	0*	0*	0*	0*

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


Life cycle assessment performed with EIME version EIME v5.5, database version 2015-04.

The manufacturing phase is the life cycle phase which has the greatest impact on the majority of environmental indicators (based on compulsory indicators).

According to this environmental analysis, proportionality rules may be used to evaluate the impacts of other products of this range.

Depending on the impact analysis, the environmental indicators of other products in this family may be proportional extrapolated by the mass of the product for Abiotic Depletion and Air Pollution, by the energy consumption for Acidification Potential of Soil and Water. 50% by the mass of the product and 50% by the energy consumption for Eutrophication, Global Warming, Photochemical Oxidation and Water Pollution. 40% by the weight and 60% by the energy consumption for Ozone Layer Depletion.

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 N°</i>	SCHN-00104-V01.01-EN	<i>Drafting rules</i>	PCR-ed3-EN-2015 04 02
<i>Verifier accreditation N°</i>	VH08	<i>Information and reference documents</i>	www.pep-ecopassport.org
<i>Date of issue</i>	08/2016	<i>Validity period</i>	5 years
<i>Independent verification of the declaration and data, in compliance with ISO 14025 : 2010</i>			
<i>Internal</i>		<i>External</i>	X
<i>The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)</i>			
<i>The elements of the present PEP cannot be compared with elements from another program.</i>			
<i>Document in compliance with ISO 14025 : 2010 « Environmental labels and declarations. Type III environmental declarations »</i>			
			

Schneider Electric Industries SAS

Schneider Electric Country Customer Care Center

35, rue Joseph Monier

CS 30323

F- 92506 Rueil Malmaison Cedex

RCS Nanterre 954 503 439

Capital social 896 313 776 €

www.schneider-electric.com

Published by Schneider Electric

SCHN-00104-V01.01-EN

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08/2016