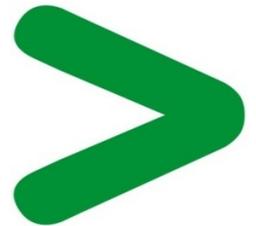


Product Environmental Profile

Contactor TeSysG225 3P Std 100-250V ACDC





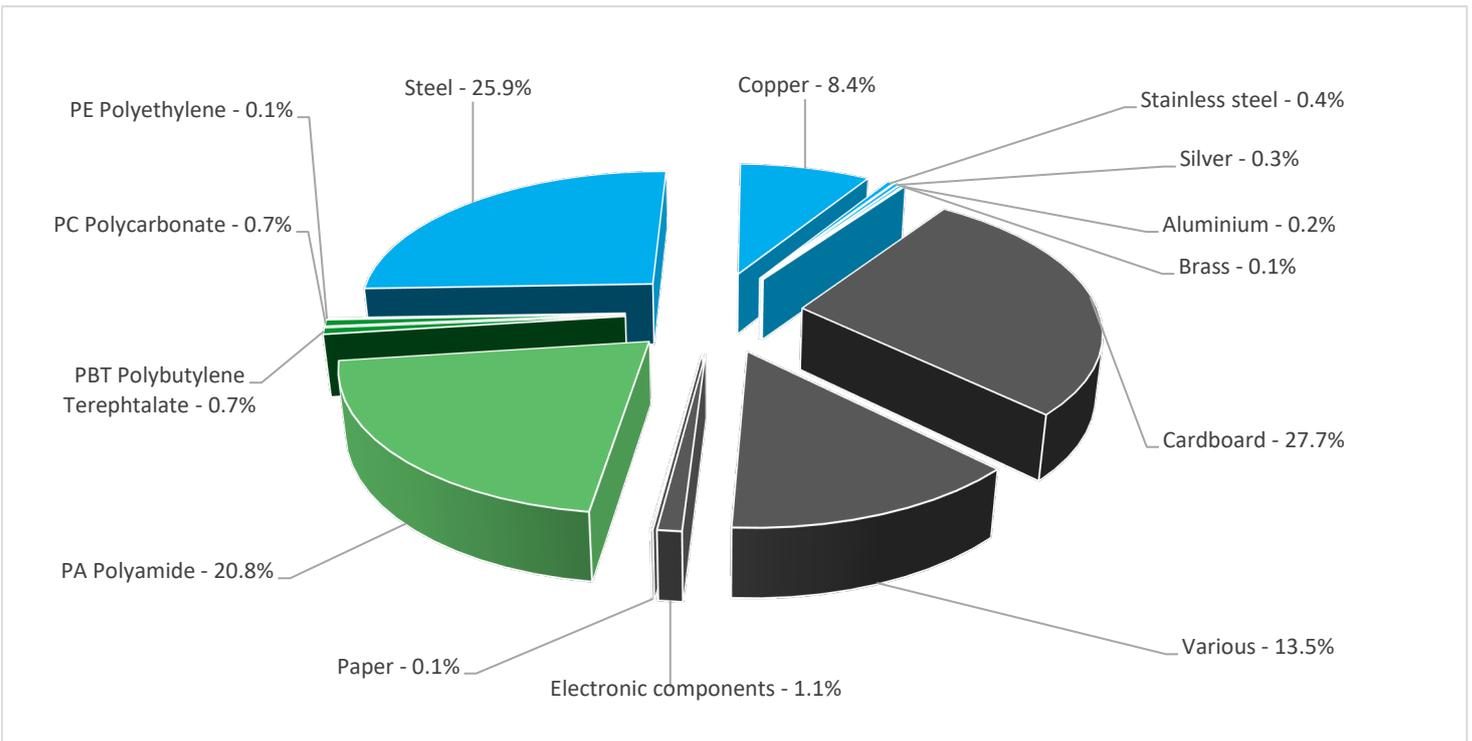
General information

Representative product	Contacteur TeSysG225 3P Std 100-250V ACDC - LC1G225KUEN
Description of the product	This product is a 440V&225A and control voltage 100-250V(AC-DC) contactor
Functional unit	To make and break currents up to 225A for motor loads, and up to 330A for resistive loads at voltage up to 440V , in accordance with the IEC60947-4, The function unit is accordance with the following technical data: - IP20 -Rated shock withstand voltage: 8KV(Uimp) - Maximum operation frequency: 600times/h



Constituent materials

Reference product mass	4950 g including the product, its packaging and additional elements and accessories
-------------------------------	---



Plastics	22.3%
Metals	35.3%
Others	42.4%

Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 2 January 2013, amended in March 2015, 2015/863/EU and in November 2017, 2017/2102/EU) 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), Bis (2-ethylhexyl)phthalate - DEHP, Benzyl butyl 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

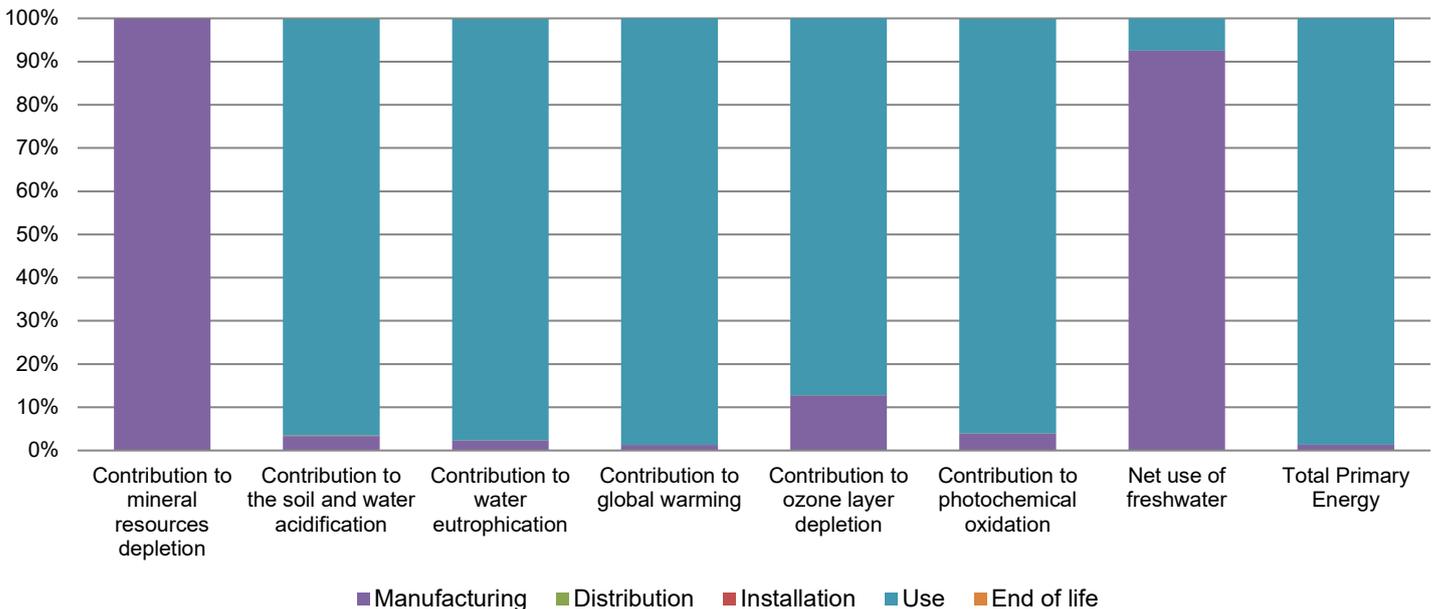
The Contactor TeSysG225 3P Std 100-250V ACDC presents the following relevant environmental aspects

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 1347 g, consisting of cardboard (99.8%), PE film (0.2%)	
Installation	Ref LC1G225KUEN does not require any installation operations, The disposal of the packaging materials are accounted for during the installation phase (including transport to disposal).	
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 This product contains electronic card (56g) that should be separated from the stream of waste so as to optimize end-of-life treatment.	
	Recyclability potential: 48%	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	Contactor, remote control switch, combinations, starters			
Installation elements	No special components needed			
Use scenario	Poles dissipation at Ith 330A=17W Coil consumption= 9W loading rate=50% duty cycle=50% Energy consumption=3*poles dissipation*loading rate*duty cycle+coil consumptin=3*17*0.25*0.25+9=21.75W			
Geographical representativeness	China			
Technological representativeness	This product is a 440V&225A and control voltage 100-250V(AC-DC) contactor			
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		Contactor TeSysG225 3P Std 100-250V ACDC - LC1G225KUEN					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	1.11E-02	1.11E-02	0*	0*	8.55E-06	0*
Contribution to the soil and water acidification	kg SO ₂ eq	2.19E+00	7.39E-02	2.92E-03	3.04E-04	2.11E+00	8.67E-04
Contribution to water eutrophication	kg PO ₄ ³⁻ eq	5.71E-01	1.27E-02	6.72E-04	7.48E-05	5.57E-01	1.99E-04
Contribution to global warming	kg CO ₂ eq	1.97E+03	2.52E+01	6.39E-01	0*	1.95E+03	0*
Contribution to ozone layer depletion	kg CFC11 eq	1.78E-05	2.26E-06	0*	0*	1.55E-05	0*
Contribution to photochemical oxidation	kg C ₂ H ₄ eq	2.60E-01	1.00E-02	2.08E-04	0*	2.49E-01	6.16E-05
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	2.93E+01	2.71E+01	0*	0*	2.17E+00	0*
Total Primary Energy	MJ	3.23E+04	4.32E+02	9.03E+00	0*	3.19E+04	0*



Schneider Electric Industries SAS

Country Customer Care Center
<http://www.schneider-electric.com/contact>

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

SCHN-00701-V01.01-EN

Published by Schneider Electric

© 2019 - Schneider Electric – All rights reserved

09/2021