

# Product Environmental Profile

**Acti9 iCT - Modular Contactors - 1P/2P/3P/4P from 16A to 100A**

**Representative of all variants of Acti9 iCT contactors**

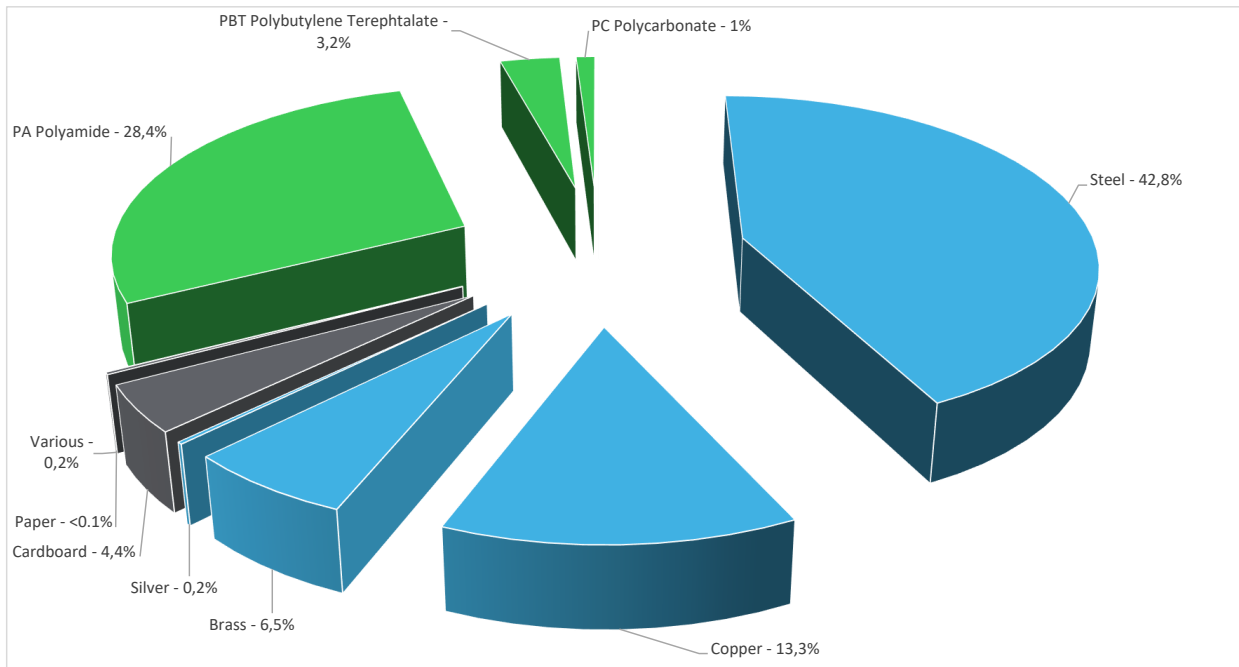


## General information

Reference product	Acti9 iCT - Modular Contactors - 1P/2P/3P/4P from 16A to 100A - A9C20732
Description of the product	Acti9 iCT contactors are designed to remote control applications in alternating current: <ul style="list-style-type: none"> <li>- lighting, heating, ventilation, roller blinds, sanitary hot water,</li> <li>- mechanical ventilation systems, etc,</li> <li>- load-shedding of non-priority circuits.</li> </ul> Acti9 iCT contactors are available in two versions: <ul style="list-style-type: none"> <li>- without manual operation</li> <li>- with manual operation.</li> </ul>
Description of the range	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. The products of the range are: Representative of all Acti9 iCT range of products
Functional unit	Establish and cut off the supply of a downstream installation from an electrical and/or mechanical control characterised by the composition of the poles or type of contacts X, a rated voltage of Ue, a rated current Ie, a control circuit voltage Uc, with Np poles, and if applicable the specific specifications, in the Household/Commercial or Industrial application areas, according to the appropriate use scenario, and during the reference service life of the product of 20 years
Specifications are:	X = Composition of poles or contact type (2 NO) Ue = Rated operating voltage 250 V Ie = Rated operating current 25 A (AC-7A category) or 8.5 A (AC-7B category) Np = 2 poles Uc = control circuit voltage 230...240 V Category of use = AC-7A (slightly inductive loads) and AC-7B (motor loads) IP = 20 Low voltage (AC)

## Constituent materials

Reference product mass 120 g including the product, its packaging, additional elements and accessories



Plastics	32,6%
Metals	62,8%
Others	4,6%

## Substance assessment

Details of ROHS and REACH substances information are available on the Schneider-Electric website  
<https://www.se.com>

## Additional environmental information

<b>End Of Life</b>	Recyclability potential:	<b>65%</b>	The recyclability rate was calculated from the recycling rates of each material making up the product based on REEECYLAB tool developed by Ecosystem, for components/materials not covered by the tool, data from the EIME database and the related PSR was taken. If no data was found a conservative assumption was used (0% recyclability).
--------------------	--------------------------	------------	--

## Environmental impacts

<b>Reference service life time</b>	20 years			
<b>Product category</b>	Contactors - Household / Commercial			
<b>Life cycle of the product</b>	The manufacturing, the distribution, the installation, the use and the end of life were taken into consideration in this study			
<b>Electricity consumption</b>	The electricity consumed during manufacturing processes is considered for each part of the product individually, the final assembly generates a negligible consumption			
<b>Installation elements</b>	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)			
<b>Use scenario</b>	Load rate = 30% le Use rate = 30% RLT			
<b>Time representativeness</b>	The collected data are representative of the year 2024			
<b>Technological representativeness</b>	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 representative of the actual type of technologies used to make the product.			
<b>Geographical representativeness</b>	<b>Final assembly site</b>	<b>Use phase</b>		<b>End-of-life</b>
	France	Europe		Europe
<b>Energy model used</b>	[A1 - A3]	[A5]	[B6]	[C1 - C4]
	Electricity mix; Consumption mix; Low voltage; 2022; France, FR	No energy used	Electricity mix; Consumption mix; Low voltage; 2022; Europe, EU-27	Global, European and French 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 - <http://www.se.com/contact>

Mandatory Indicators		Acti9 iCT - Modular Contactors - 1P/2P/3P/4P from 16A to 100A - A9C20732							
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	5,97E+00	6,03E-01	1,85E-02	1,38E-02	5,19E+00	1,45E-01	0,00E+00	
Contribution to climate change-fossil	kg CO2 eq	5,84E+00	6,00E-01	1,85E-02	6,23E-03	5,07E+00	1,44E-01	-2,66E-01	
Contribution to climate change-biogenic	kg CO2 eq	1,28E-01	2,74E-03	0*	7,55E-03	1,17E-01	5,25E-04	2,57E-03	
Contribution to climate change-land use and land use change	kg CO2 eq	1,79E-06	1,62E-06	2,67E-08	3,34E-10	0,00E+00	1,45E-07	0,00E+00	
Contribution to ozone depletion	kg CFC-11 eq	9,68E-08	6,82E-08	2,11E-10	8,54E-11	2,30E-08	5,40E-09	-5,01E-08	
Contribution to acidification	mol H+ eq	3,52E-02	6,59E-03	2,92E-05	1,82E-05	2,79E-02	6,87E-04	-3,91E-03	
Contribution to eutrophication, freshwater	kg P eq	2,34E-05	9,69E-06	6,77E-08	1,30E-07	1,29E-05	5,84E-07	-5,35E-07	
Contribution to eutrophication marine	kg N eq	3,78E-03	4,40E-04	5,59E-06	7,64E-06	3,24E-03	9,39E-05	-1,78E-04	
Contribution to eutrophication, terrestrial	mol N eq	5,79E-02	4,78E-03	6,14E-05	5,51E-05	5,19E-02	1,14E-03	-2,04E-03	
Contribution to photochemical ozone formation - human health	kg COVNM eq	1,24E-02	1,81E-03	1,96E-05	1,26E-05	1,03E-02	3,16E-04	-8,42E-04	
Contribution to resource use, minerals and metals	kg Sb eq	4,28E-04	4,26E-04	0*	0*	1,75E-06	4,56E-08	-9,19E-05	
Contribution to resource use, fossils	MJ	1,43E+02	1,31E+01	3,22E-01	6,22E-02	1,26E+02	2,92E+00	-5,66E+00	
Contribution to water use	m3 eq	7,74E-01	3,47E-01	6,56E-04	5,04E-04	4,05E-01	2,02E-02	-2,25E-01	

Inventory flows Indicators		Acti9 ICT - Modular Contactors - 1P/2P/3P/4P from 16A to 100A - A9C20732							
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	3,07E+01	4,27E-01	0*	8,12E-03	3,02E+01	1,23E-01	-8,67E-02	
Contribution to use of renewable primary energy resources used as raw material	MJ	1,00E-01	1,00E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-7,81E-02	
Contribution to total use of renewable primary energy resources	MJ	3,08E+01	5,27E-01	0*	8,12E-03	3,02E+01	1,23E-01	-1,65E-01	
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1,42E+02	1,20E+01	3,22E-01	6,22E-02	1,26E+02	2,92E+00	-5,66E+00	
Contribution to use of non renewable primary energy resources used as raw material	MJ	1,08E+00	1,08E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
Contribution to total use of non-renewable primary energy resources	MJ	1,43E+02	1,31E+01	3,22E-01	6,22E-02	1,26E+02	2,92E+00	-5,66E+00	
Contribution to use of secondary material	kg	5,98E-03	5,98E-03	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	1,82E-02	8,13E-03	1,53E-05	3,87E-05	9,47E-03	5,92E-04	-5,23E-03	
Contribution to hazardous waste disposed	kg	9,65E+00	9,48E+00	0*	0*	1,48E-01	1,78E-02	-7,18E+00	
Contribution to non hazardous waste disposed	kg	1,18E+00	2,81E-01	1,64E-03	2,20E-03	8,04E-01	9,33E-02	-1,78E-01	
Contribution to radioactive waste disposed	kg	2,97E-04	1,07E-04	1,30E-06	4,05E-07	1,78E-04	9,95E-06	-8,20E-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	8,73E-02	9,10E-03	0,00E+00	4,34E-03	0,00E+00	7,39E-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	9,87E-04	2,48E-05	0,00E+00	2,31E-04	0,00E+00	7,31E-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	1,48E-03

\* The calculation of the biogenic carbon is based on the Ademe for the Cardboard (28%), EN16485 for Wood (39,52%), and APESA/RECORD for Paper (37,8%)

Mandatory Indicators		Acti9 ICT - Modular Contactors - 1P/2P/3P/4P from 16A to 100A - A9C20732								
Impact indicators	Unit	[B1 - B7] - Use	[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]	
Contribution to climate change	kg CO2 eq	5,19E+00	0	0,00E+00	0	0	0	5,19E+00	0	
Contribution to climate change-fossil	kg CO2 eq	5,07E+00	0	0,00E+00	0	0	0	5,07E+00	0	
Contribution to climate change-biogenic	kg CO2 eq	1,17E-01	0	0,00E+00	0	0	0	1,17E-01	0	
Contribution to climate change-land use and land use change	kg CO2 eq	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0	
Contribution to ozone depletion	kg CFC-11 eq	2,30E-08	0	0,00E+00	0	0	0	2,30E-08	0	
Contribution to acidification	mol H+ eq	2,79E-02	0	0,00E+00	0	0	0	2,79E-02	0	
Contribution to eutrophication, freshwater	kg P eq	1,29E-05	0	0,00E+00	0	0	0	1,29E-05	0	
Contribution to eutrophication marine	kg N eq	3,24E-03	0	0,00E+00	0	0	0	3,24E-03	0	
Contribution to eutrophication, terrestrial	mol N eq	5,19E-02	0	0,00E+00	0	0	0	5,19E-02	0	
Contribution to photochemical ozone formation - human health	kg COVNM eq	1,03E-02	0	0,00E+00	0	0	0	1,03E-02	0	
Contribution to resource use, minerals and metals	kg Sb eq	1,75E-06	0	0,00E+00	0	0	0	1,75E-06	0	
Contribution to resource use, fossils	MJ	1,26E+02	0	0,00E+00	0	0	0	1,26E+02	0	
Contribution to water use	m3 eq	4,05E-01	0	0,00E+00	0	0	0	4,05E-01	0	


Inventory flows Indicators		Acti9 ICT - Modular Contactors - 1P/2P/3P/4P from 16A to 100A - A9C20732							
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	3,02E+01	0	0,00E+00	0	0	0	3,02E+01	0
Contribution to use of renewable primary energy resources used as raw material	MJ	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to total use of renewable primary energy resources	MJ	3,02E+01	0	0,00E+00	0	0	0	3,02E+01	0
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1,26E+02	0	0,00E+00	0	0	0	1,26E+02	0
Contribution to use of non renewable primary energy resources used as raw material	MJ	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to total use of non-renewable primary energy resources	MJ	1,26E+02	0	0,00E+00	0	0	0	1,26E+02	0
Contribution to use of secondary material	kg	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to use of renewable secondary fuels	MJ	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to use of non renewable secondary fuels	MJ	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to net use of freshwater	m³	9,47E-03	0	0,00E+00	0	0	0	9,47E-03	0
Contribution to hazardous waste disposed	kg	1,48E-01	0	0,00E+00	0	0	0	1,48E-01	0
Contribution to non hazardous waste disposed	kg	8,04E-01	0	0,00E+00	0	0	0	8,04E-01	0
Contribution to radioactive waste disposed	kg	1,78E-04	0	0,00E+00	0	0	0	1,78E-04	0
Contribution to components for reuse	kg	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to materials for recycling	kg	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to materials for energy recovery	kg	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to exported energy	MJ	0,00E+00	0	0,00E+00	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 v6.2.5-6, database version 2024-01 in compliance with ISO14044, EF3,1 method is applied, for biogenic carbon storage, assessment methodology -1/1 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.

Registration number :	SCHN-00144-V03.01-EN	Drafting rules	PCR-4-ed4-EN-2021 09 06
		Supplemented by	PSR-0005-ed3.1-EN-2023 12 08
Verifier accreditation N°	VH48	Information and reference documents	<a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a>
Date of issue	03-2026	Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2006			
Internal                      External    X			
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)			
PEPs are compliant with NF C08-100-1:2022 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"			
			

Schneider Electric Industries SAS

Country Customer Care Center  
<http://www.se.com/contact>

Head Office

35, rue Joseph Monier  
CS 30323

F- 92500 Rueil Malmaison Cedex  
RCS Nanterre 954 503 439  
Capital social 928 298 512 €

[www.se.com](http://www.se.com)

SCHN-00144-V03.01-EN

Published by Schneider Electric

©2024 - Schneider Electric – All rights reserved

03-2026