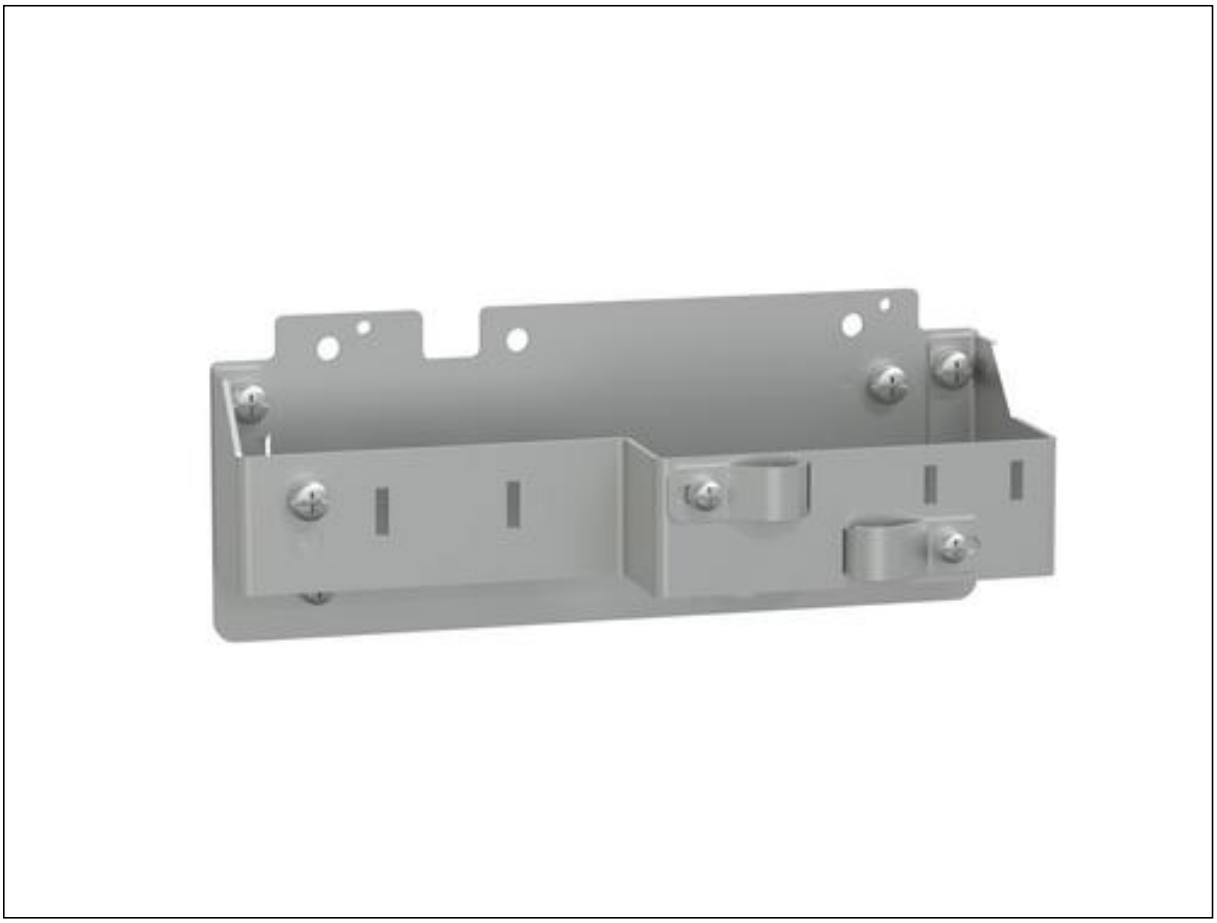
Product Environmental Profile

EMC plate kit S2B

Altivar HVAC ATH600

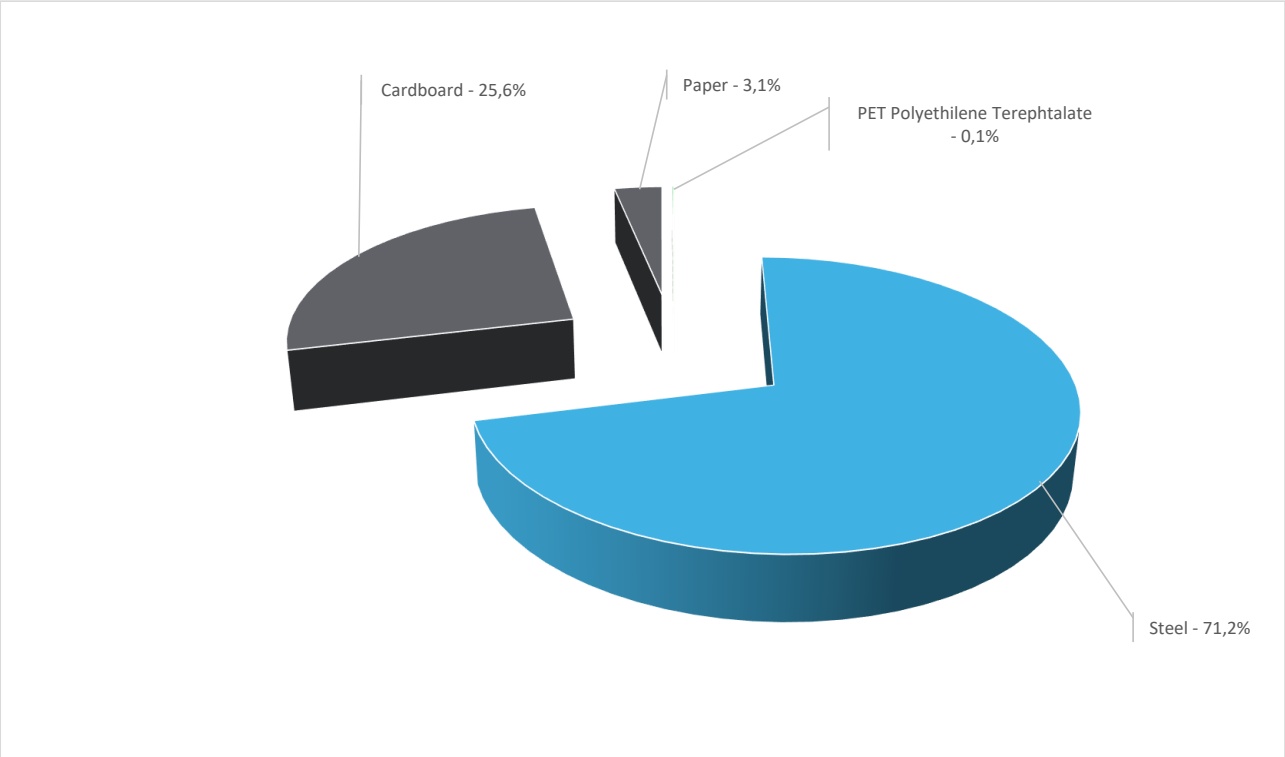


General information

Reference product	EMC plate kit S2B - VW3A4436
Description of the product	The main function of the EMC Plate is to provide the connection interface for motor cable shielding and control cable shieldings on compatible Altivar HVAC ATH600 variable speed drives, ensuring compliance with electromagnetic compatibility (EMC) requirements.
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.This range consists of accessoriesfor products Altivar HVAC ATH600.
Functional unit	To provide EMC-compliant grounding and connection of motor and control cable shieldings for compatible Altivar HVAC ATH600 variable speed drives during a reference service life of 10 years.

Constituent materials

Reference product mass	475 g	including the product, its packaging, additional elements and accessories



Plastics	0,1%
Metals	71,2%
Others	28,7%

Substance assessment

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

Additional environmental information

End Of Life	Recyclability potential:	**98%**	The recyclability rate was calculated from the recycling rates of each material making up the product based on REEECY'LAB 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

Reference service life time	years
Product category	0
Life cycle of the product	The manufacturing, the distribution, the installation, the use and the end of life were taken into consideration in this study
Electricity consumption	The electricity consumed during manufacturing processes is considered for each part of the product individually, the final assembly generates a negligible consumption
Installation elements	The product does not require any special installation operations
Use scenario	This product does not consume any energy during its lifetime.
Time representativeness	The collected data are representative of the year 2026
Technological representativeness	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.

Geographical representativeness	**Final assembly site**	**Use phase**		**End-of-life**
	China SWD Wuxi	Europe		Europe
Energy model used	**[A1 - A3]**	**[A5]**	**[B6]**	**[C1 - C4]**
	Electricity mix; Production mix; low voltage; 2022; China, CN	No energy used	No energy used	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		**EMC plate kit S2B - VW3A4436**						
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	3,21E+00	2,25E+00	8,71E-02	3,51E-01	0,00E+00	5,23E-01	0,00E+00
Contribution to climate change-fossil	kg CO2 eq	3,26E+00	2,49E+00	8,71E-02	1,59E-01	0,00E+00	5,22E-01	-3,02E-01
Contribution to climate change-biogenic	kg CO2 eq	-4,71E-02	-2,41E-01	3,56E-07	1,92E-01	0,00E+00	1,62E-03	1,56E-01
Contribution to climate change-land use and land use change	kg CO2 eq	8,14E-07	1,94E-07	1,32E-07	8,51E-09	0,00E+00	4,79E-07	0,00E+00
Contribution to ozone depletion	kg CFC-11 eq	9,26E-08	6,93E-08	1,06E-09	2,17E-09	0,00E+00	2,00E-08	-2,88E-08
Contribution to acidification	mol H+ eq	1,53E-02	1,22E-02	1,38E-04	4,65E-04	0,00E+00	2,49E-03	-1,71E-03
Contribution to eutrophication, freshwater	kg P eq	1,01E-05	4,41E-06	3,25E-07	3,31E-06	0,00E+00	2,08E-06	-2,40E-06
Contribution to eutrophication, marine	kg N eq	2,54E-03	2,04E-03	2,49E-05	1,94E-04	0,00E+00	2,82E-04	-3,16E-04
Contribution to eutrophication, terrestrial	mol N eq	2,64E-02	2,14E-02	2,74E-04	1,40E-03	0,00E+00	3,27E-03	-2,94E-03
Contribution to photochemical ozone formation - human health	kg COVNM eq	8,63E-03	7,20E-03	8,85E-05	3,21E-04	0,00E+00	1,02E-03	-8,61E-04
Contribution to resource use, minerals and metals	kg Sb eq	6,29E-05	6,27E-05	3,11E-08	9,53E-09	0,00E+00	1,46E-07	-5,34E-05
Contribution to resource use, fossils	MJ	1,24E+02	1,11E+02	1,55E+00	1,58E+00	0,00E+00	9,75E+00	-5,57E+00
Contribution to water use	m3 eq	8,76E-01	7,81E-01	3,14E-03	1,28E-02	0,00E+00	7,96E-02	-1,06E-01

Inventory flows Indicators		EMC plate kit S2B - VW3A4436						
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 renewable primary energy used as energy	MJ	1,20E+00	6,06E-01	4,88E-03	2,07E-01	0,00E+00	3,78E-01	4,27E-01
Contribution to renewable primary energy used as raw material	MJ	1,02E+00	1,02E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,99E+00
Contribution to total renewable primary energy	MJ	2,22E+00	1,63E+00	4,88E-03	2,07E-01	0,00E+00	3,78E-01	-1,56E+00
Contribution to non renewable primary energy used as energy	MJ	1,24E+02	1,11E+02	1,55E+00	1,58E+00	0,00E+00	9,75E+00	-5,56E+00
Contribution to non renewable primary energy used as raw material	MJ	1,34E-01	1,34E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-7,71E-03
Contribution to total non renewable primary energy	MJ	1,24E+02	1,11E+02	1,55E+00	1,58E+00	0,00E+00	9,75E+00	-5,57E+00
Contribution to use of secondary material	kg	1,15E-01	1,15E-01	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 fresh water	m³	2,18E-02	1,83E-02	7,30E-05	9,84E-04	0,00E+00	2,39E-03	-2,47E-03
Contribution to hazardous waste disposed	kg	3,47E+00	3,45E+00	3,64E-04	8,41E-03	0,00E+00	5,55E-03	-4,22E+00
Contribution to non hazardous waste disposed	kg	1,96E+00	1,47E+00	8,08E-03	5,60E-02	0,00E+00	4,22E-01	-2,20E-01
Contribution to radioactive waste disposed	kg	2,54E-04	2,05E-04	6,40E-06	1,03E-05	0,00E+00	3,25E-05	-9,96E-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	4,82E-01	4,53E-02	0,00E+00	1,11E-01	0,00E+00	3,26E-01	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	9,56E-03	4,56E-04	0,00E+00	5,87E-03	0,00E+00	3,23E-03	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	3,91E-02

** 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		EMC plate kit S2B - VW3A4436							
Impact indicators	Unit	[B1 - B7] - Use	[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]
Contribution to climate change	kg CO2 eq	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to climate change-fossil	kg CO2 eq	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to climate change-biogenic	kg CO2 eq	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	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	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to acidification	mol H+ eq	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to eutrophication, freshwater	kg P eq	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to eutrophication marine	kg N eq	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to eutrophication, terrestrial	mol N eq	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to photochemical ozone formation - human health	kg COVNM eq	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to resource use, minerals and metals	kg Sb eq	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to resource use, fossils	MJ	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to water use	m3 eq	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0

Inventory flows Indicators		EMC plate kit S2B - VW3A4436							
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	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	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	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	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	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	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	m^3	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to hazardous waste disposed	kg	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to non hazardous waste disposed	kg	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	0
Contribution to radioactive waste disposed	kg	0,00E+00	0	0,00E+00	0	0	0	0,00E+00	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.

To extrapolate the impact to another product from the range, apply the following extrapolation rules to each indicator per life cycle stage:
MANUFACTURING(i) = Mass of (product+packaging) in grams / Mass of (reference product+reference packaging) in grams
DISTRIBUTION (i) = Mass of (product+packaging) in grams / Mass of (reference product+reference packaging) in grams
INSTALLATION (i) = Mass of (packaging) in grams / Mass of (reference packaging) in grams
USE (i) = Electricity consumption in kWh / Electricity consumption of the reference product in kWh
END OF LIFE (i))= Mass of (product) in grams / Mass of (reference product) in grams
TOTAL (i) = Σ Life Cycle Stages (i)
By multiplying these coefficients with the impacts of the reference product, you will obtain the impacts of the concerned extrapolated product.
Please find all the informations regarding the products on https://www.se.com
Electricity consumption for linked products can be provided upon request.

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		Supplemented by	PSR-0005-ed3.1-EN-2023 12 08
Date of issue	09-2026	*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 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 14021:2016 "Environmental labels and declarations. Type II 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 €

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