



SNX201 CIRCUIT BREAKER

PEP ecopassport®

Product Environmental Profile



Document in compliance with ISO 14025: 2006 "Environmental labels and declarations. Type III environmental declarations"

ORGANIZATION		CONTACT INFORMATION			
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ABB Purpose & Embedding Sustainability

ABB is committed to continually promoting and embedding sustainability across its operations and value chain, aspiring to become a role model for others to follow. With its ABB Purpose, ABB is focusing on reducing harmful emissions, preserving natural resources and championing ethical and humane behavior.



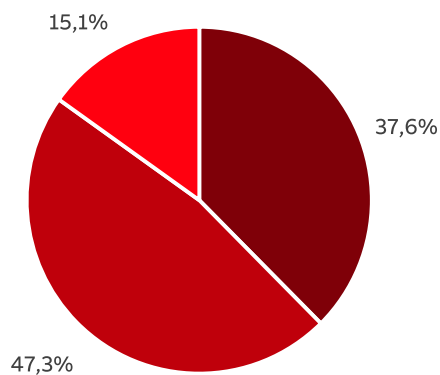
General Information

Reference product	SNX201 B16 6kA 1P+N - 2CSS255301R0165
Description of the product	The compact SNX200 range of FlexLine® Miniature Circuit Breakers (MCBs) is designed to protect any type of building from overloads and short circuits, ensuring reliability and safety under all operating conditions. All MCBs in the product range SNX201 comply with IEC/EN 60898-1 allowing their use in residential applications.
Functional unit	The functional unit is designed to protect for 20 years the installation against overloads and short-circuits with assigned voltage 230 V, and rated current 16 A. This protection is ensured in accordance with the following parameters: - Number of poles 1P+N - Rated breaking capacity 6kA - Tripping curve B
Other products covered	SNX200 homogeneous family: Breaking capacity up to 6kA 230V rated voltage B & C char from 6 up to 32 A 1+N or 3+N Poles

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Constituent Materials



■ Plastics 47,14 g ■ Metals 59,39 g ■ Others 18,98 g

Total weight of Reference product

125,5

g

Plastics as % of weight		Metals as % of weight		Others as % of weight	
Name and CAS number	Weight%	Name and CAS number	Weight%	Name and CAS number	Weight%
PA	25,3	Steel	34,1	Cardboard	7,8
Glass fiber	8,8	Copper	10,5	Wood	6,1
PC	2,4	Brass	1,5	Paper	1,2
PPS	0,8	Manganese	0,7	Other	0,0
PE	0,2	Other metals	0,4	–	–

Total weight of the reference product is 106,3 and its packaging is 19,2g

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Additional Environmental Information

Manufacturing	Includes the environmental impacts associated with extraction and processing of the raw materials used to produce and assembly the product and its packaging, distribution to the manufacturer's last logistic platform.
Distribution	Includes the transportation in its packaging from the manufacturer's last logistic platform to the distributor.
Installation	Installation stage includes the installation of the products made manually and waste treatment of discarded materials.
Use	Energy consumption is calculated by following the PSR. The energy models used in this phase are the specific energy mixes based on ABB distribution. No maintenance is necessary.
End of life	Includes its removal, dismantling and transportation of the dismantled product to the treatment site and the treatment process. A value of 1000 km transport by lorry is used for the transportation.
Benefits and loads beyond the system boundaries	N/A

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Environmental Impacts

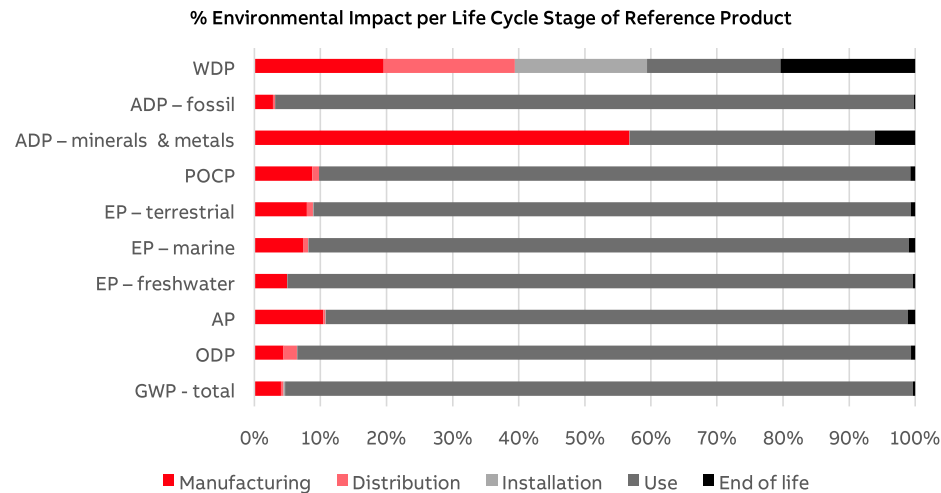
Reference lifetime	20 years
Product category	Circuit Breaker
Installation elements	Installation carried out manually. End of life of packaging.
Use scenario	Load time: 50% of rated current in continuous operation (In). Use time rate: 30% of reference lifetime (RLT).
Geographical representativeness	Europe
Technological representativeness	Materials and processes data are specific for the production of SNX201 B16 6kA 1P+N - 2CSS255301R0165 and its family
Software and database used	Simapro 9.4.0.2 and Ecoinvent v3.8

Energy model used

Manufacturing	Electricity, medium voltage {IT} market for Cut-off, System_GO energy mix_ei 3.8 System
Installation	Manually done. Europe
Use	Electricity, low voltage {RER} market group for Cut-off, S
End of life	The energy-related processes used for the inputs of the end-of-life stage are those included in the ecoinvent datasets selected for the analysis

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Common base of mandatory indicators



Environmental impact indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life	Bene- fits
GWP-total	kg CO₂ eq.	2,12E+01	8,54E-01	9,06E-02	4,53E-02	2,02E+01	7,50E-02	NA
GWP-fossil	kg CO₂ eq.	2,05E+01	8,52E-01	9,05E-02	5,26E-03	1,95E+01	7,20E-02	NA
GWP-biogenic	kg CO₂ eq.	6,73E-01	1,48E-03	8,43E-05	4,00E-02	6,28E-01	2,94E-03	NA
GWP-luluc	kg CO₂ eq.	4,69E-02	7,99E-04	3,52E-05	1,77E-06	4,60E-02	7,06E-05	NA
GWP-fossil = Global Warming Potential fossil fuels GWP-biogenic = Global Warming Potential biogenic GWP-luluc = Global Warming Potential land use and land use change								
ODP	kg CFC-11 eq.	1,06E-06	4,66E-08	9,05E-02	5,26E-03	1,95E+01	7,20E-02	NA
ODP = Depletion potential of the stratospheric ozone layer								
AP	H+ eq.	1,26E-01	1,31E-02	4,59E-04	2,22E-05	1,11E-01	1,43E-03	NA
AP = Acidification potential, Accumulated Exceedance								
EP-freshwater	kg P eq.	2,07E-02	1,02E-03	5,84E-06	3,93E-07	1,96E-02	7,62E-05	NA
EP-marine	kg N eq.	2,04E-02	1,50E-03	1,58E-04	1,05E-05	1,85E-02	2,00E-04	NA
EP-terrestrial	mol N eq.	1,80E-01	1,43E-02	1,73E-03	8,36E-05	1,63E-01	1,27E-03	NA
EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment EP-terrestrial = Eutrophication potential, Accumulated Exceedance								
POCP	kg NMVOC eq.	5,01E-02	4,39E-03	4,97E-04	2,48E-05	4,48E-02	3,76E-04	NA
POCP = Formation potential of tropospheric ozone								
ADP-minerals & metals	kg Sb eq.	4,94E-04	2,80E-04	2,96E-07	1,63E-08	1,83E-04	3,02E-05	NA
ADP-fossil	MJ	4,29E+02	1,21E+01	1,39E+00	5,93E-02	4,15E+02	8,84E-01	NA
ADP-minerals & metals = Abiotic depletion potential for non-fossil resources ADP-fossil = Abiotic depletion for fossil resources potential								
WDP	m³ eq. depr.	4,95E+02	9,70E+01	9,80E+01	9,90E+01	1,00E+02	1,01E+02	NA
WDP = Water Deprivation potential								

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Common base of mandatory indicators

Inventory flows indicator – Resource use indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life	Bene- fits
PERE	MJ	8,88E+01	3,19E+00	1,92E-02	1,04E-03	8,55E+01	1,14E-01	NA
PERM	MJ	4,27E-01	4,27E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA
PERT	MJ	8,92E+01	3,61E+00	1,92E-02	1,04E-03	8,55E+01	1,14E-01	NA
PENRE	MJ	4,28E+02	1,04E+01	1,39E+00	5,93E-02	4,15E+02	8,84E-01	NA
PENRM	MJ	1,72E+00	1,72E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA
PENRT	MJ	4,29E+02	1,21E+01	1,39E+00	5,93E-02	4,15E+02	8,84E-01	NA
PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials								
PERM = Use of renewable primary energy resources used as raw materials								
PERT = Total Use of renewable primary energy resources								
PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials								
PENRM = Use of non-renewable primary energy resources used as raw materials								
PENRT = Total Use of non-renewable primary energy resources								

Inventory flows indicator – Indicators describing the use of secondary materials, water, and energy resources

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life	Bene- fits
SM	kg	2,86E-06	2,86E-06	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA
RSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA
NRSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA
FW	m ³	5,74E+00	9,40E-01	4,31E-03	2,67E-04	4,76E+00	3,22E-02	NA
SM = Use of secondary material								
RSF = Use of renewable secondary fuels								
NRSF = Use of non-renewable secondary fuels								
FW = Use of net fresh water								

Inventory flows indicator – Waste category indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life	Bene- fits
Hazardous waste disposed	kg	4,82E-04	1,60E-04	3,57E-06	1,54E-07	3,16E-04	2,18E-06	NA
Non- hazardous waste disposed	kg	1,82E+00	1,97E-01	8,34E-02	6,77E-03	1,45E+00	8,73E-02	NA
Radioactive waste disposed	kg	3,09E-03	2,68E-05	9,39E-06	3,82E-07	3,05E-03	5,16E-06	NA

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Common base of mandatory indicators

Inventory flows indicator – Output flow indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life	Bene- fits
Components for re-use	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA
Materials for recycling	kg	1,22E-01	5,54E-02	0,00E+00	1,15E-02	0,00E+00	5,46E-02	NA
Materials for energy recovery	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA
Exported energy	MJ	1,01E-01	4,97E-02	0,00E+00	2,36E-02	0,00E+00	2,72E-02	0,00E+00

Inventory flow indicator – other indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life	Bene- fits
Biogenic carbon content of the product	kg of C	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA
Biogenic carbon content of the associated packaging	kg of C	6,65E-03	6,65E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	NA

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Optional indicators

Environmental indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life	Bene- fits
Total use of primary energy during the life cycle	MJ	5,18E+02	5,18E+02	1,57E+01	1,41E+00	6,03E-02	9,98E-01	NA
Emissions of fine particles	incidence of diseases	4,30E-07	4,30E-07	6,09E-08	8,63E-09	3,78E-10	6,45E-09	NA
Ionizing radiation, human health	kBq U235 eq.	1,15E+01	1,15E+01	7,00E-02	7,11E-03	3,02E-04	1,19E-02	NA
Ecotoxicity (fresh water)	CTUe	3,70E+02	3,70E+02	9,82E+01	1,08E+00	6,23E-02	7,54E+00	NA
Human toxicity, car-cinogenic effects	CTUh	1,35E-08	1,35E-08	3,91E-09	3,40E-11	3,24E-12	1,43E-09	NA
Human toxicity, non-carcinogenic effects	incidence of diseases	4,24E-07	4,24E-07	1,41E-07	1,15E-09	5,94E-11	2,38E-08	NA
Impact related to land use/soil quality		8,53E+01	8,53E+01	8,41E+00	1,08E+00	4,00E-02	7,92E-01	NA

Other indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life	Bene- fits
No Other indicators used								

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Extrapolation Factors

For other products than the Reference product covered by this PEP, the environmental impacts for each phase of the lifecycle are obtained by a linear correlation with respect to weight for the production, distribution, and end-of-life phase and with respect to average power loss for the use phase. Each environmental indicator value shall be calculated using the following formulas:

For the **manufacturing stage, distribution stage and end-of-life stage**:

$$y = a_n x_1 + b_n$$

where **y** is the considered impact at a specific stage and **x₁** is the **weight of the product**.

For the **use stage**:

$$y = a_n x_2 + b_n$$

Where **y** is the considered impact at a specific stage and **x₂** is the average **power loss** of the product.

The next tables report the linear coefficients a_n & b_n for each life cycle stage.

Note: The calculation of the coefficient a_3 & b_3 for the Installation Stage was not performed because the selected parameters do not affect the values for this stage.

IMPACT CATEGORY	MANUF.		DISTRIB.		INSTALL.		USE		END OF LIFE	
	a_1	b_1	a_2	b_2	a_3	b_3	a_4	b_4	a_5	b_5
Climate change	7.17E-03	1.05E-01	7.34E-04	1.39E-02	1.0E+00	0.0E+00	2.13E+01	-9.69E-02	7.17E-04	1.47E-05
Climate change - Fossil	7.09E-03	1.11E-01	7.33E-04	1.39E-02	1.0E+00	0.0E+00	2.06E+01	-9.36E-02	6.88E-04	1.36E-05
Climate change - Biogenic	7.47E-05	-6.33E-03	6.84E-07	1.27E-05	1.0E+00	0.0E+00	6.63E-01	-3.02E-03	2.81E-05	7.29E-07
Climate change - Land use and LU change	6.19E-06	1.52E-04	2.85E-07	5.42E-06	1.0E+00	0.0E+00	4.86E-02	-2.21E-04	6.74E-07	7.79E-08
Ozone depletion	3.37E-10	1.14E-08	1.72E-10	3.22E-09	1.0E+00	0.0E+00	1.04E-06	-8.80E-09	6.44E-11	-6.11E-12
Acidification	1.22E-04	3.77E-04	3.72E-06	7.01E-05	1.0E+00	0.0E+00	1.17E-01	-5.33E-04	1.37E-05	1.47E-07
Eutrophication, freshwater	9.52E-06	2.25E-05	4.72E-08	9.03E-07	1.0E+00	0.0E+00	2.07E-02	-9.41E-05	7.27E-07	1.42E-07
Eutrophication, marine	1.26E-05	1.78E-04	1.28E-06	2.42E-05	1.0E+00	0.0E+00	1.95E-02	-8.85E-05	1.92E-06	1.81E-07
Eutrophication, terrestrial	1.25E-04	1.21E-03	1.40E-05	2.65E-04	1.0E+00	0.0E+00	1.72E-01	-7.83E-04	1.21E-05	3.27E-07
Photochemical ozone formation	3.73E-05	4.90E-04	4.02E-06	7.65E-05	1.0E+00	0.0E+00	4.73E-02	-2.15E-04	3.60E-06	-1.85E-07
Resource use, minerals and metals	2.67E-06	1.26E-06	2.40E-09	4.52E-08	1.0E+00	0.0E+00	1.93E-04	-8.60E-07	2.89E-07	-2.43E-08
Resource use, fossils	9.78E-02	1.86E+00	1.12E-02	2.13E-01	1.0E+00	0.0E+00	4.38E+02	-1.99E+00	8.45E-03	1.69E-04
Water use (AWARE)	5.43E-03	3.73E-01	3.49E-05	6.60E-04	1.0E+00	0.0E+00	5.03E+00	-2.29E-02	3.08E-04	6.35E-06
Total use of primary energy during the life cycle	1.08E-01	4.46E+00	1.14E-02	2.16E-01	1.0E+00	0.0E+00	5.28E+02	-2.40E+00	9.54E-03	1.91E-04
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	9.68E-03	2.17E+00	1.55E-04	2.94E-03	1.0E+00	0.0E+00	9.02E+01	-4.11E-01	1.09E-03	2.21E-05
Use of renewable primary energy resources used as raw materials	0.00E+00	4.27E-01	0.00E+00	0.00E+00	1.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use renew. primary energy res.	9.68E-03	2.60E+00	1.55E-04	2.94E-03	1.0E+00	0.0E+00	9.02E+01	-4.11E-01	1.09E-03	2.21E-05
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	8.06E-02	2.00E+00	1.12E-02	2.13E-01	1.0E+00	0.0E+00	4.38E+02	-1.99E+00	8.45E-03	1.69E-04
Use of non-renewable primary energy resources used as raw materials	1.73E-02	-1.42E-01	0.00E+00	0.00E+00	1.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use non-renew. primary energy res.	9.78E-02	1.86E+00	1.12E-02	2.13E-01	1.0E+00	0.0E+00	4.38E+02	-1.99E+00	8.45E-03	1.69E-04
Use of secondary material	2.73E-08	2.74E-09	0.00E+00	0.00E+00	1.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of renewable secondary fuels	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water	1.40E-04	8.82E-03	1.27E-06	2.44E-05	1.0E+00	0.0E+00	3.81E-01	-1.73E-03	9.61E-06	2.69E-07

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IMPACT CATEGORY	MANUF.		DISTRIB.		INSTALL.		USE		END OF LIFE	
	a ₁	b ₁	a ₂	b ₂	a ₃	b ₃	a ₄	b ₄	a ₅	b ₅
<i>Hazardous waste disposed</i>	1.49E-06	4.31E-06	2.89E-08	5.50E-07	1.0E+00	0.0E+00	3.33E-04	-1.70E-06	2.09E-08	2.46E-09
<i>Non-hazardous waste disposed</i>	1.60E-03	3.06E-02	6.75E-04	1.28E-02	1.0E+00	0.0E+00	1.53E+00	-6.97E-03	8.35E-04	1.66E-05
<i>Radioactive waste disposed</i>	2.24E-07	3.40E-06	7.58E-08	1.46E-06	1.0E+00	0.0E+00	3.22E-03	-1.47E-05	4.92E-08	1.75E-08
<i>Particulate matter</i>	5.31E-10	5.44E-09	7.00E-11	1.31E-09	1.0E+00	0.0E+00	3.71E-07	7.81E-10	6.16E-11	1.70E-11
<i>Ionising radiation</i>	6.06E-04	6.66E-03	5.76E-05	1.09E-03	1.0E+00	0.0E+00	1.20E+01	-5.46E-02	1.14E-04	2.05E-06
<i>Ecotoxicity, freshwater</i>	9.27E-01	1.32E+00	8.77E-03	1.66E-01	1.0E+00	0.0E+00	2.77E+02	-1.26E+00	7.21E-02	1.45E-03
<i>Human toxicity, cancer</i>	3.66E-11	7.52E-11	2.75E-13	5.23E-12	1.0E+00	0.0E+00	8.56E-09	-6.77E-11	1.36E-11	2.22E-13
<i>Human toxicity, non-cancer</i>	1.33E-09	1.36E-09	9.26E-12	1.78E-10	1.0E+00	0.0E+00	2.72E-07	-1.33E-09	2.27E-10	-1.37E-11
<i>Land use</i>	4.89E-02	3.30E+00	8.78E-03	1.66E-01	1.0E+00	0.0E+00	7.92E+01	-3.60E-01	7.58E-03	1.51E-04
<i>Component for reuse</i>	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<i>Materials for recycling</i>	1.15E-04	4.34E-02	1.15E-04	4.34E-02	1.0E+00	0.0E+00	0.00E+00	0.00E+00	5.22E-04	1.06E-05
<i>Materials for energy recovery</i>	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.0E+00	0.0E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<i>Exported energy</i>	-4.54E-10	4.97E-02	-4.54E-10	4.97E-02	1.0E+00	0.0E+00	0.00E+00	0.00E+00	2.60E-04	5.70E-06

For the weight and average power loss data of the variants, please refer to table below.

ABB Code of the specific product	Product Name	Rated breaking capacity [A]	Rated Voltage (V)	In = Rated current in continuous operation (A)	Np = Number of protected poles	Cd = Tripping curve	Weight of the product [g]	Average power loss (Wloss) @50%In
2CSS255301R0065	SNX201-B6	6k	230	6	1P+N	B	106.58	0.56
2CSS255301R0105	SNX201-B10	6k	230	10	1P+N	B	105.96	0.57
2CSS255301R0135	SNX201-B13	6k	230	13	1P+N	B	105.96	0.57
2CSS255301R0165	SNX201-B16	6k	230	16	1P+N	B	104.57	0.95
2CSS255301U0165	SNX201-B16	6k	230	16	1P+N	B	104.57	0.95
2CSS255301R0205	SNX201-B20	6k	230	20	1P+N	B	105.77	1.02
2CSS255301R0255	SNX201-B25	6k	230	25	1P+N	B	110.30	0.97
2CSS255301R0325	SNX201-B32	6k	230	32	1P+N	B	111.42	1.12
2CSS255301R0064	SNX201-C6	6k	230	6	1P+N	C	106.58	0.56
2CSS255301R0104	SNX201-C10	6k	230	10	1P+N	C	105.96	0.57
2CSS255301R0134	SNX201-C13	6k	230	13	1P+N	C	105.96	0.57
2CSS255301U0134	SNX201-C13	6k	230	13	1P+N	C	105.96	0.57
2CSS255301R0164	SNX201-C16	6k	230	16	1P+N	C	104.57	0.95
2CSS255301U0164	SNX201-C16	6k	230	16	1P+N	C	104.57	0.95
2CSS255301R0204	SNX201-C20	6k	230	20	1P+N	C	105.77	1.02
2CSS255301R0254	SNX201-C25	6k	230	25	1P+N	C	110.30	0.97
2CSS255301R0324	SNX201-C32	6k	230	32	1P+N	C	111.42	1.12
2CSS256301R0065	SNX203-B6	6k	230	6	3P+N	B	287.01	1.65
2CSS256301R0105	SNX203-B10	6k	230	10	3P+N	B	285.95	1.31
2CSS256301R0135	SNX203-B13	6k	230	13	3P+N	B	285.95	1.31
2CSS256301R0165	SNX203-B16	6k	230	16	3P+N	B	280.38	2.30
2CSS256301R0205	SNX203-B20	6k	230	20	3P+N	B	284.20	2.02
2CSS256301R0255	SNX203-B25	6k	230	25	3P+N	B	294.74	2.49
2CSS256301R0325	SNX203-B32	6k	230	32	3P+N	B	298.35	2.80
2CSS256301R0064	SNX203-C6	6k	230	6	3P+N	C	287.01	1.65
2CSS256301R0104	SNX203-C10	6k	230	10	3P+N	C	285.95	1.31
2CSS256301R0134	SNX203-C13	6k	230	13	3P+N	C	285.95	1.31
2CSS256301R0164	SNX203-C16	6k	230	16	3P+N	C	280.38	2.30
2CSS256301R0204	SNX203-C20	6k	230	20	3P+N	C	284.20	2.02
2CSS256301R0254	SNX203-C25	6k	230	25	3P+N	C	294.74	2.49
2CSS256301R0324	SNX203-C32	6k	230	32	3P+N	C	298.35	2.80

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Environmental Impact Indicator Glossary

Impact indicators

Indicator	Description	Distribution
Global warming potential (GWP) - total	Indicator of potential global warming caused by emissions to air contributing to the greenhouse effect. The total global warming potential (GWP-total) is the sum of three sub-categories of climate change. GWP-total = GWP-fossil + GWP-biogenic + GWP- land use and land use change	kg CO ₂ eq.
Ozone depletion (ODP)	Emissions to air that contribute to the destruction of the stratospheric ozone layer	kg CFC-11 eq.
Acidification of soil and water (A)	Acidification of soils and water caused by the release of certain gases to the atmosphere, such as nitrogen oxides and sulphur oxides	H ⁺ eq.
Eutrophication (E)	Indicator of the contribution to eutrophication of water by the enrichment of the aquatic ecosystem with nutritional elements, e.g. industrial or domestic effluents, agriculture, etc. This indicator is divided to three: freshwater, marine and terrestrial.	kg P eq., kg N eq., mole N eq.
Photochemical ozone creation (POCP)	Indicator of emissions of gases that affect the creation of photochemical ozone in the lower atmosphere (smog) because of the rays of the sun.	kg NMVOC eq.
Depletion of abiotic resources – elements (ADPe)	Indicator of the depletion of natural non-fossil resources	kg Sb eq.
Depletion of abiotic resources – fossil fuels (ADPf)	The use of non-renewable fossil resources in an unsustainable way (e.g. from material to waste)	MJ (lower heating value)
Water Deprivation potential (WDP)	Deprivation-weighted water consumption. Assesses the potential of water deprivation, to either humans or ecosystems, building on the assumption that the less water remaining available per area, the more likely another user will be deprived.	m ³ eq. depr.

Resource use indicators

Indicator	Description	Distribution
Total use of primary energy	Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials) + Total use of renewable primary energy re-sources (primary energy and primary energy resources used as raw materials)	MJ (lower heating value)

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Internal: ☐ External: ☒	
Document in compliance with ISO 14025: 2006 "Environmental labels and declarations. Type III environmental declarations"	
PEP are compliant with XP C08-100-1 :2016 or EN 50693:2019 The elements of the present PEP cannot be compared with elements from any other program.	
Document in compliance with ISO 14025: 2006 "Environmental labels and declarations. Type III environmental declarations"	

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