ABB F200 RESIDUAL CURRENT CIRCUIT BREAKERS

Product Environmental Profile

Environmental Product Declaration

Document in compliance with ISO 14025: 2010 "Environmental labels and declarations. Type III environmental declarations"

ORGANIZATION		CONTACT INFORMATION			
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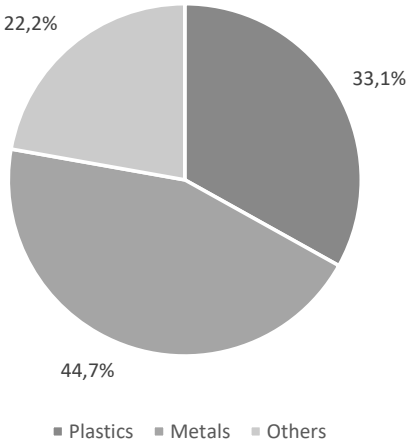
ABB Purpose & Embedding Sustainability

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	ABB F200 4 poles 30 mA 25-63A (63A)
Description of the product	The RCCBs F200 series assures protection to people and installations against fault current to earth. A large offer for standard instantaneous and selective AC and A types is completed with some configurations for special applications.
Functional unit	Establish, support and interrupt for 20 years rated currents in normal conditions of circuit characterized by the current rated current in continuous operation (Ith), including any conditions specified for overload in operation characterized by the current overcurrent (Ie), for the operating voltage (Ue) and a current for short- circuit rated short time withstand current (Icw) for a specified time.
Other products covered	ABB F200 4P 30mA 25-63A (40 A) ABB F200 2P 30mA 25-63A (25 A) ABB F200 2P 30mA 25-63A (40 A)

Constituent materials



Total weight of Reference product	481 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-%**
Plastics	33,1	Metals	44,7	Others	22,2

Products of this range are designed in conformity with the requirements of the RoHS directive (European directive 2011/65/EU), considering exemptions if applicable. Details of RoHS and REACh substances information are available on ABB Website. Products of this range are also in scope of Directive 2012/19/EU on waste electrical and electronic equipment (WEEE).

Additional Environmental Information

Manufacturing	Manufacturing takes place in ABB plant in Santa Palomba (RM), Italy. The site is ISO14001 certified.
Distribution	Distribution scenario has been modelled considering ABB average market for the product. EQ meters delivery scenario includes 2409 km by ship and 2953 km by truck
Installation	As installation is performed manually, no environmental burdens are associated to this phase besides end of life of product packaging
Use	Use phase scenario has been modelled based on PCR v3 requirements and scenarios. Based on PCR parameters, total energy demand for the use phase is equal to 231 kWh.
End of life	End of life scenario has been modelled based on PCR v3 requirements and scenarios. 1000 km from waste generation to waste treatment facility are considered
Software and database used	Simapro v 9.3.0.2 - Ecoinvent v 3.8 + ELCD
Standards	"PCR-ed3-EN-2015 04 02" (PEP Association, 2015) "PSR-0005-ed2-EN-2016 03 29" (PEP Association, 2016b)

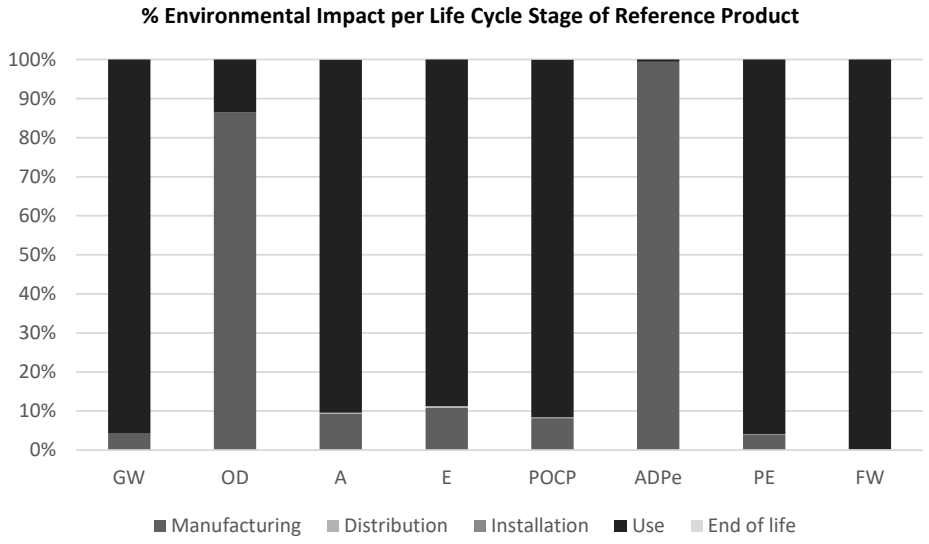
Environmental impacts

Reference lifetime	20 years
Product category	Electrical switchgear and control gear Solutions
Installation elements	N/A
Use scenario	Load time: 50% of rated current in continuous operation (In). Use time rate: 30% of reference lifetime (RLT).
Geographical representativeness	World
Technological representativeness	RCCBs F200 offer protection from indirect contact and they ensure additional protection against direct contact. They are suitable in many fields from residential to commercial.
Energy model used	
Manufacturing	Italian grid mix, medium voltage
Installation	N/A
Use	European grid mix, medium voltage
End of life	N/A

Compulsory Indicators

Impact indicators	Unit	Total	Manu-facturing	Distri-bution	Instal-lation	Use	End of life
Global warming (GW)	kg CO_2 eq.	1,183E+02	4,868E+00	9,476E-02	<0,01%	1,133E+02	<0,01%
Ozone depletion (OD)	kg CFC-11 eq.	5,486E-05	4,748E-05	<0,01%	<0,01%	7,382E-06	<0,01%
Acidification of soil and water (A)	kg SO_2 eq.	5,227E-01	4,897E-02	9,757E-04	<0,01%	4,727E-01	5,573E-05
Eutrophication (E)	kg $(PO_4)^3$ eq.	3,217E-02	3,488E-03	1,418E-04	<0,01%	2,854E-02	<0,01%
Photochemical ozone creation (POCP)	kg C_2H_4 eq.	2,835E-02	2,317E-03	5,610E-05	<0,01%	2,597E-02	3,004E-06
Depletion of abiotic resources – elements (ADPe)	kg Sb eq.	1,499E-03	1,490E-03	<0,01%	<0,01%	8,102E-06	<0,01%

Resource use indicators	Unit	Total	Manu-facturing	Distri-bution	Instal-lation	Use	End of life
Total use of primary energy (PE)	MJ	1,334E+03	5,379E+01	1,301E+00	<0,01%	1,279E+03	<0,01%
Net freshwater use (FW)	m^3	5,394E+01	1,083E-01	<0,01%	<0,01%	5,384E+01	<0,01%



2 identified parameters allow to identify a linear dependency between impacts and product features. Therefore, linear interpolation has been performed to estimate the relations among products in the same family.

Overview of representative products and parameters

Product family	Reference product for which PEP results are reported	Parameter – All life cycle stages besides use phase	Parameter – Use phase
F200 switches	F200 4P 30mA 25-63A (63 A)	Total product mass [g]	Nominal power [W]

An overview of selected models and reference nominal parameters is reported below:

List of reference parameters for interpolation

SWITCHES FAMILY	total mass [g]	power [W]
1. F200 4P 30mA 25-63A (40 A)	434	3,2
2. F200 4P 30mA 25-63A (63 A)	420	4,4
3. F200 2P 30mA 25-63A (25 A)	268	1,0
4. F200 2P 30mA 25-63A (40 A)	269	2,4

Next sections contain information and details about how the extrapolation rules have been computed for each product family. These extrapolation rules allow to pass from impacts reported in the PEP associated to a reference product to impacts associated to different products in the same family, providing the reference parameter.

For both investigated category the equation linking impacts among products is defined as

$$y = ax + b$$

Where:
y is the generic environmental impact category
x is the nominal value of reference parameter
a and b are coefficients computed starting from the assumption about the existence of linear dependency between impacts and product features

Next section contains all the details and the parameters to extrapolate results for other products in the same homogeneous family, and an example of extrapolation.

Interpolation			F202 AC-25/0,03 (Total product mass 265g)	
MANUFACTURING STAGE y = ax + b	a	b	Formula	Result
Global warming	0,0125	- 1,2321	a*total mass (x) +b	2,0928119
Ozone depletion	0,0000	- 0,0001	a*total mass (x) +b	- 0,0000054
Acidification	0,0002	- 0,0275	a*total mass (x) +b	0,0145768
Eutrophication	0,0000	- 0,0009	a*total mass (x) +b	0,0015112
Photochemical ozone formation	0,0000	- 0,0009	a*total mass (x) +b	0,0008564
Depletion of abiotic resources	0,0000	- 0,0011	a*total mass (x) +b	0,0003300
Total use of primary energy	0,0951	7,7302	a*total mass (x) +b	32,9359423
Net use of fresh water	0,0000	0,0881	a*total mass (x) +b	0,0994470

Interpolation			F202 AC-25/0,03 (Power 2)	
USE STAGE y = ax + b	a	b	Formula	Result
Global warming	25,7522	0,0030	a* Power (x) + b	51,5074751
Ozone depletion	0,0000	0,0000	a* Power (x) + b	0,0000034
Acidification	0,1074	0,0000	a* Power (x) + b	0,2148525
Eutrophication	0,0065	0,0000	a* Power (x) + b	0,0129724
Photochemical ozone formation	0,0059	0,0000	a* Power (x) + b	0,0118057
Depletion of abiotic resources	0,0000	0,0000	a* Power (x) + b	0,0000037
Total use of primary energy	290,5619	0,0344	a* Power (x) + b	581,1582111
Net use of fresh water	12,2337	0,0014	a* Power (x) + b	24,4688457

ABB FH200 2P				ABB FH200 4P			
FH202 S AC-25/0.03	2CSF202024R1250	FH202 AC-25/0.03	2CSF202006R1250	FH204 AC-25/0.03	2CSF204006R1250	FH204 AC-63/0.03	2CSF204006R1630
FH202 S AC-40/0.03	2CSF202024R1400	FH202 AC-40/0.03	2CSF202006R1400	FH204 AC-40/0.03	2CSF204006R1400	FH204 A-63/0.03 HAF	2CSF204120R1630
FH202 S AC-63/0.03	2CSF202024R1630	FH202 AC-25/0.3	2CSF202003R3250	FH204 AC-63/0.3-L	2CSF204026R3630	FH204 A-40/0.3 HAF	2CSF204120R3400
FH202 A-40/0.03 U CEBEC	2CSF202122U1400	FH202 AC-63/0.03	2CSF202006R1630	FH204 AC-63/0.03	2CSF204006R1630	FH204 A-40/0.03 U CEBEC	2CSF204122U1400
FH202 A-40/0.3 U CEBEC	2CSF202122U3400	FH202 AC-40/0.3	2CSF202003R3400	FH204 AC-25/0.3-L	2CSF204026R3250	FH204 A-40/0.3 U CEBEC	2CSF204122U3400
FH202 A-40/0.03 U HAF	2CSF202120U1400	FH202 AC-63/0.3	2CSF202003R3630	FH204 AC-25/0.03-L	2CSF204026R1250	FH204 A-40/0.03 U HAF	2CSF204120U1400
FH202 S A-25/0.03	2CSF202124R1250	FH202 S A-25/0.03	2CSF202424R1250	FH204 AC-63/0.03-L	2CSF204026R1630	FH204 A-25/0.03 U	2CSF204102U1250
FH202 A-25/0.03	2CSF202102R1250	FH202 AC-25/0.03	2CSF202006R1250	FH204 AC-40/0.3-L	2CSF204026R3400	FH204 A-40/0.03 U	2CSF204102U1400
FH202 S A-40/0.03	2CSF202124R1400	FH202 S A-40/0.03	2CSF202424R1400	FH204 AC-25/0.1	2CSF204006R2250	FH204 A-63/0.03 U	2CSF204102U1630
FH202 S A-63/0.03	2CSF202124R1630	FH202 AC-40/0.03	2CSF202006R1400	FH204 AC-40/0.03-L	2CSF204026R1400	FH204 AC-40/0.03	2CSF204006R1400
FH202 A-40/0.03	2CSF202102R1400	FH202 S A-63/0.03	2CSF202424R1630	FH204 AC-40/0.1	2CSF204006R2400	FH204 AC-63/0.03	2CSF204006R1630
FH202 A-40/0.03	2CSF202102R1400	FH202 S A-25/0.3 A	2CSF202424R3250	FH204 AC-63/0.1	2CSF204006R2630		
FH202 A-63/0.03	2CSF202102R1630	FH202 AC-63/0.03	2CSF202006R1630	FH204 AC-25/0.3	2CSF204006R3250		
FH202 A-63/0.03 U	2CSF202102U1630	FH202 S A-40/0.3 A	2CSF202424R3400	FH204 AC-40/0.3	2CSF204006R3400		
FH202 A-25/0.03 U	2CSF202102U1250	FH202 S A-63/0.3 A	2CSF202424R3630	FH204 AC-63/0.3	2CSF204006R3630		
FH202 A-40/0.03 U	2CSF202102U1400	FV202 AC-25/0.03	2CSF202007R1250	FH204 A-25/0.03	2CSF204102R1250		
FH202 AC-25/0.03	2CSF202006R1250	FV202 AC-40/0.03	2CSF202007R1400	FH204 A-40/0.03	2CSF204102R1400		
FH202 AC-40/0.03	2CSF202006R1400			FH204 A-63/0.03	2CSF204102R1630		
FH202 AC-63/0.03	2CSF202006R1630			FH204 AC-25/0.3	2CSF204006R3250		
FH202 AC-25/0.1	2CSF202006R2250			FH204 AC-40/0.3	2CSF204006R3400		
FH202 AC-40/0.1	2CSF202006R2400			FH204 AC-63/0.3	2CSF204006R3630		
FH202 AC-25/0.3	2CSF202003R3250			FH204 AC-25/0.03	2CSF204006R1250		
FH202 AC-40/0.3	2CSF202003R3400			FH204 AC-25/0.03	2CSF204006R1250		
FH202 AC-63/0.1	2CSF202006R2630			FH204 AC-40/0.03	2CSF204006R1400		
FH202 AC-63/0.3	2CSF202003R3630			FH204 A-40/0.03 HAF	2CSF204120R1400		

ABB F200 2P							
F202 A S -40/0,1 240V	2CSF202247R2400	F202 A-40/0,03	2CSF202101R1400	F202 AC S-63/0,5	2CSF202901R4630	F202 AC-63/0,03	2CSF202017R1630
F202 A S -40/0,1 240V	2CSF202296R2400	F202 A-40/0,03	2CSF202101U1400	F202 AC S-63/1	2CSF202901R5630	F202 AC-63/0,03 AP	2CSF202301R1630
F202 A S -40/0,3 240V	2CSF202247R3400	F202 A-40/0,03	2CSF202121R1400	F202 AC-16/0,01	2CSF202001R0160	F202 AC-63/0,03 G	2CSF202319R1630
F202 A S -40/0,3 240V	2CSF202296R3400	F202 A-40/0,03 240	2CSF202147R1400	F202 AC-16/0,01	2CSF202005R0160	F202 AC-63/0,03 IE	2CSF202047R1630
F202 A S -40/0,5 240V	2CSF202247R4400	F202 A-40/0,03 240	2CSF202196R1400	F202 AC-25/0,01	2CSF202001R0250	F202 AC-63/0,1	2CSF202001R2630
F202 A S -40/0,5 240V	2CSF202296R4400	F202 A-40/0,03 110	2CSF202199R1400	F202 AC-25/0,03	2CSF202001R1250	F202 AC-63/0,1	2CSF202005R2630
F202 A S -40/1 240V	2CSF202247R5400	F202 A-40/0,03 AP-	2CSF202401R1400	F202 AC-25/0,03	2CSF202001U1250	F202 AC-63/0,1	2CSF202005U2630
F202 A S -40/1 240V	2CSF202296R5400	F202 A-40/0,03 AP-	2CSF202447R1400	F202 AC-25/0,03	2CSF202005R1250	F202 AC-63/0,1	2CSF202011R2630
F202 A S -63/0,1 240V	2CSF202247R2630	F202 A-40/0,03 AP-	2CSF202496R1400	F202 AC-25/0,03 AP-R	2CSF202301R1250	F202 AC-63/0,1 G	2CSF202319R2630
F202 A S -63/0,1 240V	2CSF202296R2630	F202 A-40/0,03 G	2CSF202419R1400	F202 AC-25/0,03 IEC 240V	2CSF202047R1250	F202 AC-63/0,3	2CSF202001R3630
F202 A S -63/0,3 240V	2CSF202247R3630	F202 A-40/0,1	2CSF202101R2400	F202 AC-25/0,1	2CSF202001R2250	F202 AC-63/0,3	2CSF202005R3630
F202 A S -63/0,3 240V	2CSF202296R3630	F202 A-40/0,1 G	2CSF202419R2400	F202 AC-25/0,1	2CSF202005R2250	F202 AC-63/0,3	2CSF202005U3630
F202 A S -63/0,5 240V	2CSF202247R4630	F202 A-40/0,3	2CSF202101R3400	F202 AC-25/0,1	2CSF202011R2250	F202 AC-63/0,5	2CSF202001R4630
F202 A S -63/0,5 240V	2CSF202296R4630	F202 A-40/0,3	2CSF202121R3400	F202 AC-25/0,3	2CSF202001R3250	F202 AC-63/0,5	2CSF202005R4630
F202 A S -63/1 240V	2CSF202247R5630	F202 A-40/0,3 AP-R	2CSF202401R3400	F202 AC-25/0,3	2CSF202005R3250	F202 F-25/0,03	2CSF202325N1250
F202 A S -63/1 240V	2CSF202296R5630	F202 A-40/0,5	2CSF202101R4400	F202 AC-25/0,3 IEC 240V	2CSF202047R3250	F202 F-25/0,03	2CSF202325R1250
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F202 A S-40/0,3	2CSF202201R3400	F202 A-63/0,03	2CSF202101U1630	F202 AC-25/0,5	2CSF202005R4250	F202 F-63/0,03	2CSF202325R1630
F202 A S-40/0,5	2CSF202201R4400	F202 A-63/0,03	2CSF202121R1630	F202 AC-40/0,03	2CSF202001R1400		
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F202 A S-63/0,3	2CSF202201R3630	F202 A-63/0,03 110	2CSF202199R1630	F202 AC-40/0,03	2CSF202005U1400		
F202 A S-63/0,5	2CSF202201R4630	F202 A-63/0,03 AP-	2CSF202401R1630	F202 AC-40/0,03 AP-R	2CSF202301R1400		
F202 A S-63/1	2CSF202201R5630	F202 A-63/0,03 AP-	2CSF202447R1630	F202 AC-40/0,03 G	2CSF202319R1400		
F202 A-16/0,01	2CSF202101R0160	F202 A-63/0,03 AP-	2CSF202496R1630	F202 AC-40/0,03 IEC 240V	2CSF202047R1400		
F202 A-16/0,01 240V	2CSF202147R0160	F202 A-63/0,03 G	2CSF202419R1630	F202 AC-40/0,03 TRANSPARENT	2CSF202001T1400		
F202 A-16/0,01 240V	2CSF202196R0160	F202 A-63/0,1	2CSF202101R2630	F202 AC-40/0,1	2CSF202001R2400		
F202 A-25/0,01	2CSF202101R0250	F202 A-63/0,1 G	2CSF202419R2630	F202 AC-40/0,1	2CSF202005R2400		
F202 A-25/0,03	2CSF202101R1250	F202 A-63/0,3	2CSF202101R3630	F202 AC-40/0,1	2CSF202005U2400		
F202 A-25/0,03	2CSF202101U1250	F202 A-63/0,3	2CSF202121R3630	F202 AC-40/0,1	2CSF202011R2400		
F202 A-25/0,03	2CSF202121R1250	F202 A-63/0,3 16,7	2CSF202196R3630	F202 AC-40/0,1 G	2CSF202319R2400		
F202 A-25/0,03 240V	2CSF202147R1250	F202 A-63/0,3 AP-R	2CSF202401R3630	F202 AC-40/0,3	2CSF202001R3400		
F202 A-25/0,03 240V	2CSF202196R1250	F202 A-63/0,5	2CSF202101R4630	F202 AC-40/0,3	2CSF202005R3400		
F202 A-25/0,03 110V	2CSF202199R1250	F202 A-63/0,5 16,7	2CSF202196R4630	F202 AC-40/0,3	2CSF202005U3400		
F202 A-25/0,03 AP-R	2CSF202401R1250	F202 AC S-40/0,1	2CSF202901R2400	F202 AC-40/0,5	2CSF202001R4400		
F202 A-25/0,1	2CSF202101R2250	F202 AC S-40/0,3	2CSF202901R3400	F202 AC-40/0,5	2CSF202005R4400		
F202 A-25/0,3	2CSF202101R3250	F202 AC S-40/0,5	2CSF202901R4400	F202 AC-63/0,03	2CSF202001R1630		
F202 A-25/0,3	2CSF202121R3250	F202 AC S-40/1	2CSF202901R5400	F202 AC-63/0,03	2CSF202001U1630		
F202 A-25/0,3 AP-R	2CSF202401R3250	F202 AC S-63/0,1	2CSF202901R2630	F202 AC-63/0,03	2CSF202005R1630		
F202 A-25/0,5	2CSF202101R4250	F202 AC S-63/0,3	2CSF202901R3630	F202 AC-63/0,03	2CSF202005U1630		

ABB F200 4P					
F204 A S -40/0,1 415V	2CSF204247R2400	F204 A-40/0,5 415V	2CSF204147R4400	F204 AC-40/0,1	2CSF204011R2400
F204 A S -40/0,1 415V	2CSF204296R2400	F204 A-40/0,5 415V	2CSF204196R4400	F204 AC-40/0,1	2CSF204023R2400
F204 A S -40/1 415V	2CSF204247R5400	F204 A-63/0,03	2CSF204101R1630	F204 AC-40/0,1 G	2CSF204319R2400
F204 A S -40/1 415V	2CSF204296R5400	F204 A-63/0,03	2CSF204101U1630	F204 AC-40/0,1 IEC 415V	2CSF204047R2400
F204 A S -63/0,1 415V	2CSF204247R2630	F204 A-63/0,03	2CSF204121R1630	F204 AC-40/0,1 T	2CSF204519R2400
F204 A S -63/0,1 415V	2CSF204296R2630	F204 A-63/0,03	2CSF204123R1630	F204 AC-40/0,1 TG	2CSF204619R2400
F204 A S -63/0,5 415V	2CSF204247R4630	F204 A-63/0,03 415V	2CSF204147R1630	F204 AC-40/0,3	2CSF204001R3400
F204 A S -63/0,5 415V	2CSF204296R4630	F204 A-63/0,03 415V	2CSF204196R1630	F204 AC-40/0,3	2CSF204005R3400
F204 A S-40/0,1	2CSF204201R2400	F204 A-63/0,03 110V	2CSF204199R1630	F204 AC-40/0,3	2CSF204005U3400
F204 A S-40/0,1 T	2CSF204219R2400	F204 A-63/0,03 AP-R	2CSF204401R1630	F204 AC-40/0,3	2CSF204023R3400
F204 A S-40/0,3	2CSF204201R3400	F204 A-63/0,03 AP-R 415V	2CSF204447R1630	F204 AC-40/0,5	2CSF204001R4400
F204 A S-40/0,3 T	2CSF204219R3400	F204 A-63/0,03 AP-R 415V	2CSF204496R1630	F204 AC-40/0,5	2CSF204005R4400
F204 A S-40/0,5	2CSF204201R4400	F204 A-63/0,03 G	2CSF204419R1630	F204 AC-40/0,5	2CSF204023R4400
F204 A S-40/1	2CSF204201R5400	F204 A-63/0,03 T	2CSF204719R1630	F204 AC-63/0,03	2CSF204001R1630
F204 A S-63/0,1	2CSF204201R2630	F204 A-63/0,03 TG	2CSF204819R1630	F204 AC-63/0,03	2CSF204001U1630
F204 A S-63/0,1 T	2CSF204219R2630	F204 A-63/0,1	2CSF204101R2630	F204 AC-63/0,03	2CSF204005R1630
F204 A S-63/0,3	2CSF204201R3630	F204 A-63/0,1	2CSF204123R2630	F204 AC-63/0,03	2CSF204005U1630
F204 A S-63/0,3 T	2CSF204219R3630	F204 A-63/0,1 415V	2CSF204147R2630	F204 AC-63/0,03	2CSF204023R1630
F204 A S-63/0,5	2CSF204201R4630	F204 A-63/0,1 415V	2CSF204196R2630	F204 AC-63/0,03 AP-R	2CSF204301R1630
F204 A S-63/1	2CSF204201R5630	F204 A-63/0,1 G	2CSF204419R2630	F204 AC-63/0,03 G	2CSF204319R1630
F204 A-25/0,03	2CSF204101R1250	F204 A-63/0,1 T	2CSF204719R2630	F204 AC-63/0,03 IEC 415V	2CSF204047R1630
F204 A-25/0,03	2CSF204101U1250	F204 A-63/0,1 TG	2CSF204819R2630	F204 AC-63/0,03 T	2CSF204519R1630
F204 A-25/0,03	2CSF204121R1250	F204 A-63/0,3	2CSF204101R3630	F204 AC-63/0,03 TG	2CSF204619R1630
F204 A-25/0,03	2CSF204123R1250	F204 A-63/0,3	2CSF204121R3630	F204 AC-63/0,1	2CSF204001R2630
F204 A-25/0,03 415V	2CSF204147R1250	F204 A-63/0,3	2CSF204123R3630	F204 AC-63/0,1	2CSF204005R2630
F204 A-25/0,03 415V	2CSF204196R1250	F204 A-63/0,3 415V	2CSF204147R3630	F204 AC-63/0,1	2CSF204005U2630
F204 A-25/0,03 110V	2CSF204199R1250	F204 A-63/0,3 415V	2CSF204196R3630	F204 AC-63/0,1	2CSF204011R2630
F204 A-25/0,03 400HZ	2CSF204197R1250	F204 A-63/0,3 AP-R	2CSF204401R3630	F204 AC-63/0,1	2CSF204023R2630
F204 A-25/0,03 AP-R	2CSF204401R1250	F204 A-63/0,5	2CSF204101R4630	F204 AC-63/0,1 G	2CSF204319R2630
F204 A-25/0,03 AP-R 415V	2CSF204447R1250	F204 A-63/0,5	2CSF204123R4630	F204 AC-63/0,1 IEC 415V	2CSF204047R2630
F204 A-25/0,03 AP-R 415V	2CSF204496R1250	F204 A-63/0,5 415V	2CSF204147R4630	F204 AC-63/0,1 T	2CSF204519R2630
F204 A-25/0,1	2CSF204101R2250	F204 A-63/0,5 415V	2CSF204196R4630	F204 AC-63/0,1 TG	2CSF204619R2630
F204 A-25/0,1	2CSF204123R2250	F204 AC S-40/0,1	2CSF204901R2400	F204 AC-63/0,3	2CSF204001R3630
F204 A-25/0,3	2CSF204101R3250	F204 AC S-40/0,3	2CSF204901R3400	F204 AC-63/0,3	2CSF204005R3630
F204 A-25/0,3	2CSF204121R3250	F204 AC S-40/0,5	2CSF204901R4400	F204 AC-63/0,3	2CSF204005U3630
F204 A-25/0,3	2CSF204123R3250	F204 AC S-40/1	2CSF204901R5400	F204 AC-63/0,3	2CSF204023R3630
F204 A-25/0,3 415V	2CSF204147R3250	F204 AC S-63/0,1	2CSF204901R2630	F204 AC-63/0,3 IEC 415V	2CSF204047R3630
F204 A-25/0,3 415V	2CSF204196R3250	F204 AC S-63/0,1 T	2CSF204919R2630	F204 AC-63/0,5	2CSF204001R4630
F204 A-25/0,3 AP-R	2CSF204401R3250	F204 AC S-63/0,3	2CSF204901R3630	F204 AC-63/0,5	2CSF204005R4630
F204 A-25/0,5	2CSF204101R4250	F204 AC S-63/0,5	2CSF204901R4630	F204 AC-63/0,5	2CSF204023R4630
F204 A-25/0,5	2CSF204123R4250	F204 AC S-63/1	2CSF204901R5630	F204 F-25/0,03	2CSF204325R1250
F204 A-40/0,03	2CSF204101R1400	F204 AC-25/0,03	2CSF204001R1250	F204 F-40/0,03	2CSF204325R1400
F204 A-40/0,03	2CSF204101U1400	F204 AC-25/0,03	2CSF204001U1250	F204 F-63/0,03	2CSF204325R1630
F204 A-40/0,03	2CSF204121R1400	F204 AC-25/0,03	2CSF204005R1250	F204A-40/0,03L	2CSF204123U1400
F204 A-40/0,03	2CSF204123R1400	F204 AC-25/0,03	2CSF204023R1250		
F204 A-40/0,03 415V	2CSF204147R1400	F204 AC-25/0,03 AP-R	2CSF204301R1250		
F204 A-40/0,03 415V	2CSF204196R1400	F204 AC-25/0,03 IEC 415V	2CSF204047R1250		
F204 A-40/0,03 110V	2CSF204199R1400	F204 AC-25/0,1	2CSF204001R2250		
F204 A-40/0,03 400 HZ 415V	2CSF204148R1400	F204 AC-25/0,1	2CSF204005R2250		
F204 A-40/0,03 400 HZ 415V	2CSF204169R1400	F204 AC-25/0,1	2CSF204011R2250		
F204 A-40/0,03 400HZ	2CSF204197R1400	F204 AC-25/0,1	2CSF204023R2250		
F204 A-40/0,03 AP-R	2CSF204401R1400	F204 AC-25/0,3	2CSF204001R3250		
F204 A-40/0,03 AP-R 415V	2CSF204447R1400	F204 AC-25/0,3	2CSF204005R3250		
F204 A-40/0,03 AP-R 415V	2CSF204496R1400	F204 AC-25/0,3	2CSF204023R3250		
F204 A-40/0,03 G	2CSF204419R1400	F204 AC-25/0,5	2CSF204001R4250		
F204 A-40/0,03 T	2CSF204719R1400	F204 AC-25/0,5	2CSF204005R4250		
F204 A-40/0,03 TG	2CSF204819R1400	F204 AC-25/0,5	2CSF204023R4250		
F204 A-40/0,1	2CSF204101R2400	F204 AC-40/0,03	2CSF204001R1400		
F204 A-40/0,1	2CSF204123R2400	F204 AC-40/0,03	2CSF204001U1400		
F204 A-40/0,1 G	2CSF204419R2400	F204 AC-40/0,03	2CSF204005R1400		
F204 A-40/0,1 T	2CSF204719R2400	F204 AC-40/0,03	2CSF204005U1400		
F204 A-40/0,1 TG	2CSF204819R2400	F204 AC-40/0,03	2CSF204023R1400		
F204 A-40/0,3	2CSF204101R3400	F204 AC-40/0,03 AP-R	2CSF204301R1400		
F204 A-40/0,3	2CSF204121R3400	F204 AC-40/0,03 G	2CSF204319R1400		
F204 A-40/0,3	2CSF204123R3400	F204 AC-40/0,03 IEC 415V	2CSF204047R1400		
F204 A-40/0,3 415V	2CSF204147R3400	F204 AC-40/0,03 T	2CSF204519R1400		
F204 A-40/0,3 415V	2CSF204196R3400	F204 AC-40/0,03 TG	2CSF204619R1400		
F204 A-40/0,3 AP-R	2CSF204401R3400	F204 AC-40/0,1	2CSF204001R2400		
F204 A-40/0,5	2CSF204101R4400	F204 AC-40/0,1	2CSF204005R2400		
F204 A-40/0,5	2CSF204123R4400	F204 AC-40/0,1	2CSF204005U2400		

Environmental Impact Indicator Glossary

Impact indicators	Description	Unit
Global warming (GW)	Indicator of potential global warming caused by emissions to air contributing to the greenhouse effect. Includes fossil and biogenic	kg CO_2 eq.
Ozone depletion (OD)	Indicator of emissions to air that contribute to the destruction of the ozone layer	kg CFC-11 eq.
Acidification of soil and water (A)	Indicator of the potential acidification of soils and water caused by the release of certain gases to the atmosphere	kg SO_2 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.	kg $(PO_4)^3$ 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 C_2H_4 eq.
Depletion of abiotic resources – elements (ADPe)	Indicator of the depletion of natural non-fossil resources	kg Sb eq.

Resource use indicators	Description	Unit
Total use of primary energy (PE)	Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials) + Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ (lower heating value)

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Independent verification of the declaration and data, in compliance with ISO 14025: 2010

Internal ○ External ◉

The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)

PEP are compliant with XP C08-100-1: 2016
The elements of the present PEP cannot be compared with elements from another program

Document in compliance with ISO 14025: 2010 "Environmental labels and declarations. Type III environmental declarations"