



OTHER EQUIPMENTS - POWER BAR SYSTEM

# PEP ecopassport®

## Product Environmental Profile



Product Environmental Profile - PEP Ecopassport.  
Document in compliance with ISO 14025: 2006 "Environmental labels and declarations. Type III environmental declarations"

ORGANIZATION		CONTACT INFORMATION			
ABB SCHWEIZ AG		EPD_ELSB@abb.com			
ADDRESS		WEBSITE			
ABB Schweiz AG – ELSB (Fulachstrasse 150, 8200 Schaffhausen, Switzerland)		<a href="https://new.abb.com/ch">https://new.abb.com/ch</a>			
STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN	1	EN	1/16



# 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.



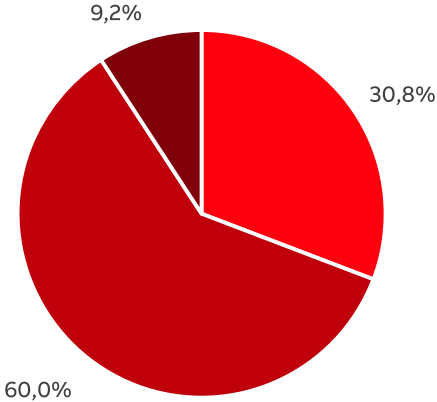
## General Information

Reference product	ZLSP960-3L-78-L / 2CCG000644R0001 Power bar including direct feed  The content of this PEP cannot be compared with content based on another program.
Description of the product	The SMISSLINE TP Power Bar System, include a 125A system and a high-performance 250A system. The busbars thus enable lateral 250A power supply. This increases the range of possible applications. Especially in applications involving high-current devices, this increases the scope to realize applications. More outputs with high current levels can be positioned on the same busbar system.
Functional unit	ABB Busbar System Power Bar 250A SMISSLINE TP Direct Feed to Molded Case Circuit Breaker XT4 3L-78-L. Pluggable socket system is completely fingersafe (IP2XB) together with the socket end piece
Other products covered	ZLS905 - Power Bar 125A ( 3L, 3LN, 3L LA-LB & 3LN LA-LB) ZLS950 - Power Bar 250A (3L, 3LN & 3LN LA-LB) ZLSP960 - Power Bar 250A including direct feed (3L & 3LN) Auxiliaries: additional sockets, busbars & end pieces

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN		1 EN	2/16



# Constituent Materials



■ Plastics 1669,70 g ■ Metals 3249,98 g ■ Others 499,66 g

<b>Total weight of Reference product with packaging</b>	5419,35	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%
PC GF10	30,3	CU	59,0	CARDBOARD	9,1
PC	0,3	STEEL	0,9	PAPER	0,1
POM	0,2	STAINLESS STEEL	0,1	PE	0,0
PE	0,0	-	x	-	x

Total weight of product + packaging of one reference product: 5419,35g. Total weight of one reference product without packaging is: 4919,55 g

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN	1	EN	3/16



## Additional Environmental Information

<b>Manufacturing</b>	Includes the environmental impacts associated with extraction and processing of the raw materials used to produce the product and its packaging, transport to the manufacturing site and assembly.
<b>Distribution</b>	Includes the transportation of the packaged product from the manufacturer's last logistic platform to the distributor.
<b>Installation</b>	Includes the manual installation of the products and the end-of-life of packaging.
<b>Use</b>	No energy consumption is taken into account in this stage due to the nature of the product
<b>End of life</b>	Includes the transportation of the product to the final end-of-life treatment site and treatment processes. A value of 1000 km transport by lorry is used for the transportation.
<b>Benefits and loads beyond the system boundaries</b>	Prevented impacts of recycling materials.

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN	1	EN	4/16



# Environmental Impacts

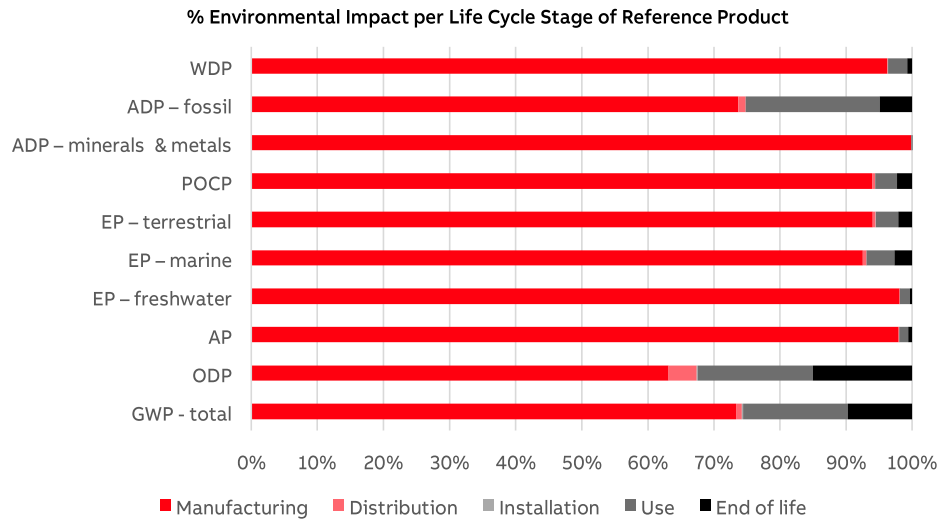
Reference lifetime	20 years
Product category	Other equipment
Installation elements	End-of-life of the packaging components
Use scenario	USA and Ireland
Geographical representativeness	USA and Ireland
Technological representativeness	Materials and processes data are specific for the production of one Incoming block
Software and database used	Simapro 9.5 and Ecoinvent 3.9

## Energy model used

Manufacturing	Energy mix obtained from IEA data
Installation	Non-applicable
Use	Energy mix obtained from IEA data
End of life	Recycling of product and packaging

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN	1	EN	5/16

## Common base of mandatory indicators



### Environmental impact indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Installation	Use	End of life	Bene- fits
<b>GWP-total</b>	<b>kg CO<sub>2</sub> eq.</b>	4,90E+01	3,59E+01	4,23E-01	8,43E-02	7,76E+00	4,78E+00	-1,78E+01
<b>GWP-fossil</b>	<b>kg CO<sub>2</sub> eq.</b>	4,88E+01	3,60E+01	4,22E-01	1,29E-02	7,62E+00	4,77E+00	-1,79E+01
<b>GWP-biogenic</b>	<b>kg CO<sub>2</sub> eq.</b>	7,09E-02	-1,43E-01	4,26E-04	7,14E-02	1,37E-01	5,11E-03	1,33E-01
<b>GWP-luluc</b>	<b>kg CO<sub>2</sub> eq.</b>	5,60E-02	4,54E-02	1,53E-04	5,75E-06	7,28E-03	3,18E-03	-3,63E-02
GWP-fossil = Global Warming Potential fossil fuels GWP-biogenic = Global Warming Potential biogenic GWP-luluc = Global Warming Potential land use and land use change								
<b>ODP</b>	<b>kg CFC-11 eq.</b>	2,34E-06	1,48E-06	1,01E-07	2,61E-09	4,09E-07	3,52E-07	-9,93E-07
ODP = Depletion potential of the stratospheric ozone layer								
<b>AP</b>	<b>H+ eq.</b>	1,87E+00	1,83E+00	1,88E-03	5,73E-05	2,51E-02	1,12E-02	-1,46E+00
AP = Acidification potential, Accumulated Exceedance								
<b>EP-freshwater</b>	<b>kg P eq.</b>	8,02E-03	7,87E-03	2,88E-06	1,05E-07	1,20E-04	2,78E-05	-6,28E-03
<b>EP-marine</b>	<b>kg N eq.</b>	9,79E-02	9,06E-02	5,60E-04	1,84E-05	4,11E-03	2,62E-03	-6,68E-02
<b>EP-terrestrial</b>	<b>mol N eq.</b>	1,37E+00	1,29E+00	6,18E-03	2,00E-04	4,72E-02	2,85E-02	-9,77E-01
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								
<b>POCP</b>	<b>kg NMVOC eq.</b>	3,87E-01	3,63E-01	1,97E-03	5,78E-05	1,25E-02	9,00E-03	-2,70E-01
POCP = Formation potential of tropospheric ozone								
<b>ADP-minerals &amp; metals</b>	<b>kg Sb eq.</b>	4,31E-02	4,30E-02	9,65E-07	5,31E-08	5,95E-05	5,06E-06	-3,51E-02
<b>ADP-fossil</b>	<b>MJ</b>	5,86E+02	4,32E+02	6,57E+00	1,76E-01	1,19E+02	2,87E+01	-2,17E+02
ADP-minerals & metals = Abiotic depletion potential for non-fossil resources ADP-fossil = Abiotic depletion for fossil resources potential								
<b>WDP</b>	<b>m<sup>3</sup> eq. depr.</b>	3,29E+01	3,17E+01	2,25E-02	2,54E-03	9,67E-01	2,43E-01	-2,28E+01
WDP = Water Deprivation potential								

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN	1	EN	6/16

## 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	1,07E+02	7,69E+01	8,33E-02	3,15E-03	2,83E+01	1,94E+00	-6,42E+01
PERM	MJ	7,98E+00	7,98E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	1,15E+02	8,49E+01	8,33E-02	3,15E-03	2,83E+01	1,94E+00	-6,42E+01
PENRE	MJ	5,33E+02	3,83E+02	6,57E+00	1,76E-01	1,15E+02	2,87E+01	-2,17E+02
PENRM	MJ	4,92E+01	4,92E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	MJ	5,82E+02	4,32E+02	6,57E+00	1,76E-01	1,15E+02	2,87E+01	-2,17E+02

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	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m <sup>3</sup>	7,96E-01	7,68E-01	7,79E-04	8,44E-05	1,63E-02	1,07E-02	-5,49E-01

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	1,76E+01	1,06E+01	6,11E-01	5,46E-02	4,50E-01	5,89E+00	-7,74E+00
Non- hazardous waste disposed	kg	1,89E-03	1,02E-03	4,45E-05	1,13E-06	6,52E-04	1,72E-04	-7,29E-04
Radioactive waste disposed	kg	1,15E+02	8,49E+01	8,33E-02	3,15E-03	2,83E+01	1,94E+00	-6,42E+01

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN	1	EN	7/16

## 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	0,00E+00
Materials for recycling	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
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
Exported energy	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	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	0,00E+00
Biogenic carbon content of the associated packaging	kg of C	2,47E-01	2,47E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN	1	EN	8/16



## 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 multiplying the values of the Reference product by the following coefficients:

\* if the coefficient is "1", the impacts of the phase of the life cycle are assimilated to the Reference product, meaning that the impacts are unchanged in comparison to the Reference product

REFERENCES Table (P) (78 modules)	Manufacturing stage	Distribution stage	Installation stage	Use stage	End-of-life stage	Benefits
<b>POWER BAR 250 + FEED - ZLSP960 (2CCG000644R0001)</b>	1	1	1	1	1	1
POWER BAR 250A - ZLS950	0,97	0,97	1	1	0,97	0,97
POWER BAR 125A - ZLS905	0,66	0,66	1	1	0,66	0,66

The reference product can be fitted with an additional complement with corresponding modules, busbars and sockets. In case to buy auxiliary components, use:

$$Total\ impact = \left( \frac{P}{78} * n^{\#}modules \right) \quad P = \text{product on reference table.}$$

These complements have a structure, materials and industrial processes very similar or identical to the reference product. They differ between those used for 125A and 250A:

REFERENCES (250A)	Manufacturing stage	Distribution stage	Installation stage	Use stage	End-of-life stage	Benefits
<b>Socket base (M)</b>						
2CCF212053A0001	0.01	0.02	1	1	0.01	0.01
2CCF212052A0001	0.01	0.02	1	1	0.01	0.01
<b>Busbars (B)</b>						
2CCF212100M0110	0.004	0.004	1	1	0.004	0.004
2CCF002773R0001	0.03	0.05	1	1	0.03	0.03
<b>Socket end piece main socket (S.M)</b>						
2CCF212082A0001	0.02	0.02	1	1	0.02	0.02
<b>Additional socket for external N and PE busbars (S.B)</b>						
2CCF212060A0001	0.01	0.02	1	1	0.01	0.01
2CCF212061A0001	0.01	0.02	1	1	0.01	0.01
<b>Socket end piece additional socket (S.A)</b>						
2CCF212085A0001	0.01	0.02	1	1	0.01	0.01

REFERENCES (125A)	Manufacturing stage	Distribution stage	Installation stage	Use stage	End-of-life stage	Benefits
<b>Socket base (M)</b>						
2CCA183030R0001	0.01	0.02	1	1	0.01	0.01
2CCA183035R0001	0.01	0.02	1	1	0.01	0.01
<b>Busbars (B)</b>						
2CCF002772R0001	0.09	0.13	1	1	0.09	0.09
2CCF002773R0001	0.03	0.05	1	1	0.03	0.03
<b>Socket end piece main socket (S.M)</b>						
2CCA183017R0001	0.01	0.01	1	1	0.01	0.01
<b>Additional socket for external N and PE busbars (S.B)</b>						
2CCA183630R0001	0.01	0.01	1	1	0.01	0.01
2CCA183635R0001	0.01	0.01	1	1	0.01	0.01

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN		1 EN	9/16

REFERENCES (AUX)	Manufacturing stage	Distribution stage	Installation stage	Use stage	End-of-life stage	Benefits
2CCG000736R0001	0.04	0.04	1	1	0.04	0.04
2CCG000739R0001	0.05	0.05	1	1	0.05	0.05
2CCG000361R0001	0.01	0.01	1	1	0.01	0.01

$$\text{Impact of auxiliary component} = M * n^{\text{sockets}} + B * \frac{n^{\text{modules}}}{110} + S.M * n^{\text{pieces}} + S.B * n^{\text{sockets}} + S.A * n^{\text{pieces}} + D.F$$

M=Socket base, B=Busbars, S.M=Socket end piece main socket, S.b= Additional Socket for external N and PE busbars, S.A=Socket end piece additional socket, D.F=Direct feed

The impact of principal indicator for the distribution stage is calculated with the following formula:

$$\text{Distribution stage impact} = P * E.F$$

Where: P= distribution phase of product reference table; E.F = extrapolation factor of chosen indicator

Always multiply by the same indicator, do not combine them.

Distribution stage category impacts	IE	USA
Climate change	1.00	29.44
Climate change - Fossil	1.00	9.62
Climate change - Biogenic	1.00	4.70
Climate change - Land use and LU change	1.00	29.41
Ozone depletion	1.00	28.08
Acidification	1.00	34.27
Eutrophication, freshwater	1.00	6.47
Eutrophication, marine	1.00	6.47
Eutrophication, terrestrial	1.00	41.97
Photochemical ozone formation	1.00	41.66
Resource use, minerals and metals	1.00	33.98
Resource use, fossils	1.00	3.35
Water use	1.00	26,51

At the Use stage, the extrapolation coefficients are different, because products can have a different number of modules and auxiliaries. Difference between 250A and 125A.

The impact of principal indicator for the use stage is calculated with the following formula:

$$\text{Use stage impact} = R.I * E.F$$

Where: R.I = impact of selected category; E.F = extrapolation factor of chosen indicator

Always multiply by the same indicator, do not combine them.

Use stage category impacts	IE	USA
Climate change	1.00	0.12
Climate change - Fossil	1.00	0.11
Climate change - Biogenic	1.00	0.23
Climate change - Land use and LU change	1.00	8.02
Ozone depletion	1.00	0.10
Acidification	1.00	0.23
Eutrophication, freshwater	1.00	0.37
Eutrophication, marine	1.00	0.24
Eutrophication, terrestrial	1.00	0.26
Photochemical ozone formation	1.00	0.23
Resource use, minerals and metals	1.00	0.96
Resource use, fossils	1.00	0.95
Water use	1.00	1.48

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN		1 EN	10/16

**ZLSP 960 (250A)**

Product Code	Description	E.F
2CCG000155R0001	ZLSP960-3L-32-L	0,47
2CCG000156R0001	ZLSP960-3LN-32-L	0,47
2CCG000157R0001	ZLSP960-3L-32-R	0,47
2CCG000158R0001	ZLSP960-3LN-32-R	0,47
2CCG000159R0001	ZLSP960-3L-40-L	0,57
2CCG000160R0001	ZLSP960-3LN-40-L	0,15
2CCG000161R0001	ZLSP960-3L-40-R	0,56
2CCG000162R0001	ZLSP960-3LN-40-R	0,56
2CCG000163R0001	ZLSP960-3L-48-L	0,66
2CCG000164R0001	ZLSP960-3LN-48-L	0,66
2CCG000165R0001	ZLSP960-3L-48-R	0,65
2CCG000166R0001	ZLSP960-3LN-48-R	0,65
2CCG000167R0001	ZLSP960-3L-56-L	0,75
2CCG000168R0001	ZLSP960-3LN-56-L	0,75
2CCG000169R0001	ZLSP960-3L-56-R	0,74
2CCG000170R0001	ZLSP960-3LN-56-R	0,74
2CCG000171R0001	ZLSP960-3L-64-L	0,84
2CCG000172R0001	ZLSP960-3LN-64-L	0,84
2CCG000173R0001	ZLSP960-3L-64-R	0,83
2CCG000174R0001	ZLSP960-3LN-64-R	0,83
2CCG000175R0001	ZLSP960-3L-66-L	0,86
2CCG000176R0001	ZLSP960-3LN-66-L	0,86
2CCG000177R0001	ZLSP960-3L-66-R	0,85
2CCG000178R0001	ZLSP960-3LN-66-R	0,88
2CCG000179R0001	ZLSP960-3L-68-L	0,89
2CCG000180R0001	ZLSP960-3LN-68-L	0,89
2CCG000181R0001	ZLSP960-3L-68-R	0,88
2CCG000182R0001	ZLSP960-3LN-68-R	0,9
2CCG000183R0001	ZLSP960-3L-70-L	0,91
2CCG000184R0001	ZLSP960-3LN-70-L	0,91
2CCG000185R0001	ZLSP960-3L-70-R	0,9
2CCG000186R0001	ZLSP960-3LN-70-R	0,9
2CCG000187R0001	ZLSP960-3L-72-L	0,93
2CCG000188R0001	ZLSP960-3LN-72-L	0,93
2CCG000189R0001	ZLSP960-3L-72-R	0,92
2CCG000190R0001	ZLSP960-3LN-72-R	0,92
2CCG000191R0001	ZLSP960-3L-74-L	0,95
2CCG000192R0001	ZLSP960-3LN-74-L	0,95
2CCG000193R0001	ZLSP960-3L-74-R	0,94
2CCG000194R0001	ZLSP960-3LN-74-R	0,94
2CCG000195R0001	ZLSP960-3L-76-L	0,98
2CCG000196R0001	ZLSP960-3LN-76-L	0,98
2CCG000197R0001	ZLSP960-3L-76-R	0,97
2CCG000198R0001	ZLSP960-3LN-76-R	0,97
<b>2CCG000644R0001</b>	<b>ZLSP960-3L-78-L</b>	<b>1</b>
2CCG000200R0001	ZLSP960-3LN-78-L	1
2CCG000645R0001	ZLSP960-3L-78-R	0,99
2CCG000202R0001	ZLSP960-3LN-78-R	0,99
2CCG000203R0001	ZLSP960-3L-80-L	1,02
2CCG000204R0001	ZLSP960-3LN-80-L	1,02
2CCG000205R0001	ZLSP960-3L-80-R	1,01
2CCG000206R0001	ZLSP960-3LN-80-R	1,01

PEP ecopassport®

**ZLSP 950 (250A)**

Product Code	Description	E.F
2CCF212200A0001	ZLSP950E30-3L	0,34
2CCF212201A0001	ZLSP950E32-3L	0,37
2CCF212202A0001	ZLSP950E34-3L	0,39
<b>2CCF212203A0001</b>	<b>ZLSP950E36-3L</b>	<b>0,41</b>
2CCF212204A0001	ZLSP950E38-3L	0,43
2CCF212205A0001	ZLSP950E40-3L	0,46
2CCF212206A0001	ZLSP950E42-3L	0,48
2CCF212207A0001	ZLSP950E44-3L	0,5
2CCF212208A0001	ZLSP950E46-3L	0,53
2CCF212209A0001	ZLSP950E48-3L	0,55
2CCF212210A0001	ZLSP950E50-3L	0,57
2CCF212211A0001	ZLSP950E52-3L	0,59
2CCF212212A0001	ZLSP950E54-3L	0,62
2CCF212213A0001	ZLSP950E56-3L	0,64
2CCF212214A0001	ZLSP950E58-3L	0,66
2CCF212215A0001	ZLSP950E60-3L	0,69
2CCF212216A0001	ZLSP950E62-3L	0,71
2CCF212217A0001	ZLSP950E64-3L	0,73
2CCF212218A0001	ZLSP950E66-3L	0,75
2CCF212219A0001	ZLSP950E68-3L	0,78
2CCF212220A0001	ZLSP950E70-3L	0,8
2CCF212221A0001	ZLSP950E72-3L	0,82
2CCF212222A0001	ZLSP950E74-3L	0,85
2CCF212223A0001	ZLSP950E76-3L	0,87
2CCF212224A0001	ZLSP950E78-3L	0,89
2CCF212225A0001	ZLSP950E80-3L	0,91
2CCF212226A0001	ZLSP950E82-3L	0,94
2CCF212227A0001	ZLSP950E84-3L	0,96
2CCF212228A0001	ZLSP950E86-3L	0,98
2CCF212229A0001	ZLSP950E88-3L	1,01
2CCF212230A0001	ZLSP950E90-3L	1,03
2CCF212231A0001	ZLSP950E92-3L	1,05
2CCF212232A0001	ZLSP950E94-3L	1,07
2CCF212233A0001	ZLSP950E96-3L	1,1
2CCF212234A0001	ZLSP950E98-3L	1,12
2CCF212235A0001	ZLSP950E100-3L	1,14
2CCF212236A0001	ZLSP950E102-3L	1,17
2CCF212237A0001	ZLSP950E104-3L	1,19
2CCF212238A0001	ZLSP950E106-3L	1,21
2CCF212239A0001	ZLSP950E108-3L	1,23
2CCF212240A0001	ZLSP950E110-3L	1,26
2CCF212300A0001	ZLSP950E30-3LN	0,34
2CCF212301A0001	ZLSP950E32-3LN	0,37
2CCF212302A0001	ZLSP950E34-3LN	0,39
2CCF212303A0001	ZLSP950E36-3LN	0,41
2CCF212304A0001	ZLSP950E38-3LN	0,43
2CCF212305A0001	ZLSP950E40-3LN	0,46
2CCF212306A0001	ZLSP950E42-3LN	0,48
2CCF212307A0001	ZLSP950E44-3LN	0,5
2CCF212308A0001	ZLSP950E46-3LN	0,53
2CCF212309A0001	ZLSP950E48-3LN	0,55
2CCF212310A0001	ZLSP950E50-3LN	0,57

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN	1	EN	11/16

**ZLSP 950 (250A)**

Product Code	Description	E.F
2CCF212311A0001	ZLSP950E52-3LN	0,59
2CCF212312A0001	ZLSP950E54-3LN	0,62
2CCF212313A0001	ZLSP950E56-3LN	0,64
2CCF212314A0001	ZLSP950E58-3LN	0,66
2CCF212315A0001	ZLSP950E60-3LN	0,69
2CCF212316A0001	ZLSP950E62-3LN	0,71
2CCF212317A0001	ZLSP950E64-3LN	0,73
2CCF212318A0001	ZLSP950E66-3LN	0,75
2CCF212319A0001	ZLSP950E68-3LN	0,78
2CCF212320A0001	ZLSP950E70-3LN	0,8
2CCF212321A0001	ZLSP950E72-3LN	0,82
2CCF212322A0001	ZLSP950E74-3LN	0,85
2CCF212323A0001	ZLSP950E76-3LN	0,87
2CCF212324A0001	ZLSP950E78-3LN	0,89
2CCF212325A0001	ZLSP950E80-3LN	0,91
2CCF212326A0001	ZLSP950E82-3LN	0,94
2CCF212327A0001	ZLSP950E84-3LN	0,96
2CCF212328A0001	ZLSP950E86-3LN	0,98
2CCF212329A0001	ZLSP950E88-3LN	1,01
2CCF212330A0001	ZLSP950E90-3LN	1,03
2CCF212331A0001	ZLSP950E92-3LN	1,05
2CCF212332A0001	ZLSP950E94-3LN	1,07
2CCF212333A0001	ZLSP950E96-3LN	1,1
2CCF212334A0001	ZLSP950E98-3LN	1,12
2CCF212335A0001	ZLSP950E100-3LN	1,14
2CCF212336A0001	ZLSP950E102-3LN	1,17
2CCF212337A0001	ZLSP950E104-3LN	1,19
2CCF212338A0001	ZLSP950E106-3LN	1,21
2CCF212339A0001	ZLSP950E108-3LN	1,23
2CCF212340A0001	ZLSP950E110-3LN	1,26
2CCF212400A0001	ZLSP950E30-3LNLALB	0,35
2CCF212401A0001	ZLSP950E32-3LNLALB	0,37
2CCF212402A0001	ZLSP950E34-3LNLALB	0,39
2CCF212403A0001	ZLSP950E36-3LNLALB	0,42
2CCF212404A0001	ZLSP950E38-3LNLALB	0,44
2CCF212405A0001	ZLSP950E40-3LNLALB	0,46
2CCF212406A0001	ZLSP950E42-3LNLALB	0,48
2CCF212407A0001	ZLSP950E44-3LNLALB	0,51
2CCF212408A0001	ZLSP950E46-3LNLALB	0,53
2CCF212409A0001	ZLSP950E48-3LNLALB	0,55
2CCF212410A0001	ZLSP950E50-3LNLALB	0,58
2CCF212411A0001	ZLSP950E52-3LNLALB	0,6
2CCF212412A0001	ZLSP950E54-3LNLALB	0,62
2CCF212413A0001	ZLSP950E56-3LNLALB	0,64
2CCF212414A0001	ZLSP950E58-3LNLALB	0,67
2CCF212415A0001	ZLSP950E60-3LNLALB	0,69
2CCF212416A0001	ZLSP950E62-3LNLALB	0,71
2CCF212417A0001	ZLSP950E64-3LNLALB	0,74
2CCF212418A0001	ZLSP950E66-3LNLALB	0,76
2CCF212419A0001	ZLSP950E68-3LNLALB	0,78
2CCF212420A0001	ZLSP950E70-3LNLALB	0,8
2CCF212421A0001	ZLSP950E72-3LNLALB	0,83

PEP ecopassport®

**ZLSP 950 (250A)**

Product Code	Description	E.F
2CCF212422A0001	ZLSP950E74-3LNLALB	0,85
2CCF212423A0001	ZLSP950E76-3LNLALB	0,87
2CCF212424A0001	ZLSP950E78-3LNLALB	0,9
2CCF212425A0001	ZLSP950E80-3LNLALB	0,92
2CCF212426A0001	ZLSP950E82-3LNLALB	0,94
2CCF212427A0001	ZLSP950E84-3LNLALB	0,96
2CCF212428A0001	ZLSP950E86-3LNLALB	0,99
2CCF212429A0001	ZLSP950E88-3LNLALB	1,01
2CCF212430A0001	ZLSP950E90-3LNLALB	1,03
2CCF212431A0001	ZLSP950E92-3LNLALB	1,05
2CCF212432A0001	ZLSP950E94-3LNLALB	1,08
2CCF212433A0001	ZLSP950E96-3LNLALB	1,1
2CCF212434A0001	ZLSP950E98-3LNLALB	1,12
2CCF212436A0001	ZLSP950E102-3LNLALB	1,17
2CCF212437A0001	ZLSP950E104-3LNLALB	1,19
2CCF212438A0001	ZLSP950E106-3LNLALB	1,21
2CCF212439A0001	ZLSP950E108-3LNLALB	1,24
2CCF212440A0001	ZLSP950E110-3LNLALB	1,26

**ZLSP 905 (125A)**

Product Code	Description	E.F
2CCA183232R0001	ZLS905E18-3L	0,12
2CCA183100R0001	ZLS905E20-3L	0,13
2CCA183102R0001	ZLS905E22-3L	0,14
2CCA183104R0001	ZLS905E24-3L	0,15
2CCA183106R0001	ZLS905E26-3L	0,17
2CCA183108R0001	ZLS905E28-3L	0,18
2CCA183110R0001	ZLS905E30-3L	0,19
2CCA183112R0001	ZLS905E32-3L	0,21
2CCA183114R0001	ZLS905E34-3L	0,22
2CCA183116R0001	ZLS905E36-3L	0,23
2CCA183118R0001	ZLS905E38-3L	0,24
2CCA183120R0001	ZLS905E40-3L	0,26
2CCA183122R0001	ZLS905E42-3L	0,27
2CCA183124R0001	ZLS905E44-3L	0,28
2CCA183126R0001	ZLS905E46-3L	0,29
2CCA183128R0001	ZLS905E48-3L	0,31
2CCA183130R0001	ZLS905E50-3L	0,32
2CCA183132R0001	ZLS905E52-3L	0,33
2CCA183134R0001	ZLS905E54-3L	0,35
2CCA183136R0001	ZLS905E56-3L	0,36
2CCA183138R0001	ZLS905E58-3L	0,37
2CCA183140R0001	ZLS905E60-3L	0,38
2CCA183142R0001	ZLS905E62-3L	0,4
2CCA183144R0001	ZLS905E64-3L	0,41
2CCA183146R0001	ZLS905E66-3L	0,42
2CCA183148R0001	ZLS905E68-3L	0,44
2CCA183150R0001	ZLS905E70-3L	0,45
2CCA183152R0001	ZLS905E72-3L	0,46
2CCA183154R0001	ZLS905E74-3L	0,47
2CCA183156R0001	ZLS905E76-3L	0,49
2CCA183158R0001	ZLS905E78-3L	0,5

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN	1	EN	12/16

## ZLSP 905 (125A)

Product Code	Description	E.F
2CCA183160R0001	ZLS905E80-3L	0,51
2CCA183234R0001	ZLS905E18-3LN	0,12
2CCA183101R0001	ZLS905E20-3LN	0,13
2CCA183103R0001	ZLS905E22-3LN	0,14
2CCA183105R0001	ZLS905E24-3LN	0,15
2CCA183107R0001	ZLS905E26-3LN	0,17
2CCA183109R0001	ZLS905E28-3LN	0,18
2CCA183111R0001	ZLS905E30-3LN	0,19
2CCA183113R0001	ZLS905E32-3LN	0,21
2CCA183115R0001	ZLS905E34-3LN	0,22
2CCA183117R0001	ZLS905E36-3LN	0,23
2CCA183119R0001	ZLS905E38-3LN	0,24
2CCA183121R0001	ZLS905E40-3LN	0,26
2CCA183123R0001	ZLS905E42-3LN	0,27
2CCA183125R0001	ZLS905E44-3LN	0,28
2CCA183127R0001	ZLS905E46-3LN	0,29
2CCA183129R0001	ZLS905E48-3LN	0,31
2CCA183131R0001	ZLS905E50-3LN	0,32
2CCA183133R0001	ZLS905E52-3LN	0,33
2CCA183135R0001	ZLS905E54-3LN	0,35
2CCA183137R0001	ZLS905E56-3LN	0,36
2CCA183139R0001	ZLS905E58-3LN	0,37
2CCA183141R0001	ZLS905E60-3LN	0,38
2CCA183143R0001	ZLS905E62-3LN	0,4
2CCA183145R0001	ZLS905E64-3LN	0,41
2CCA183147R0001	ZLS905E66-3LN	0,42
2CCA183149R0001	ZLS905E68-3LN	0,44
2CCA183151R0001	ZLS905E70-3LN	0,45
2CCA183153R0001	ZLS905E72-3LN	0,46
2CCA183155R0001	ZLS905E74-3LN	0,47
2CCA183157R0001	ZLS905E76-3LN	0,49
2CCA183159R0001	ZLS905E78-3LN	0,5
2CCA183161R0001	ZLS905E80-3LN	0,51
2CCG001541R0001	ZLS905E98-3LN	0,73
2CCA183233R0001	ZLS905E18-3LLALB	0,12
2CCA183162R0001	ZLS905E20-3LLALB	0,13
2CCA183164R0001	ZLS905E22-3LLALB	0,14
2CCA183166R0001	ZLS905E24-3LLALB	0,15
2CCA183168R0001	ZLS905E26-3LLALB	0,17
2CCA183170R0001	ZLS905E28-3LLALB	0,18
2CCA183172R0001	ZLS905E30-3LLALB	0,19
2CCA183174R0001	ZLS905E32-3LLALB	0,21
2CCA183176R0001	ZLS905E34-3LLALB	0,22
2CCA183178R0001	ZLS905E36-3LLALB	0,23
2CCA183180R0001	ZLS905E38-3LLALB	0,24
2CCA183182R0001	ZLS905E40-3LLALB	0,26
2CCA183184R0001	ZLS905E42-3LLALB	0,27
2CCA183186R0001	ZLS905E44-3LLALB	0,28
2CCA183188R0001	ZLS905E46-3LLALB	0,29
2CCA183190R0001	ZLS905E48-3LLALB	0,31
2CCA183192R0001	ZLS905E50-3LLALB	0,32
2CCA183194R0001	ZLS905E52-3LLALB	0,33

## ZLSP 905 (125A)

Product Code	Description	E.F
2CCA183196R0001	ZLS905E54-3LLALB	0,35
2CCA183198R0001	ZLS905E56-3LLALB	0,36
2CCA183200R0001	ZLS905E58-3LLALB	0,37
2CCA183202R0001	ZLS905E60-3LLALB	0,38
2CCA183204R0001	ZLS905E62-3LLALB	0,4
2CCA183206R0001	ZLS905E64-3LLALB	0,41
2CCA183208R0001	ZLS905E66-3LLALB	0,42
2CCA183210R0001	ZLS905E68-3LLALB	0,44
2CCA183212R0001	ZLS905E70-3LLALB	0,45
2CCA183214R0001	ZLS905E72-3LLALB	0,46
2CCA183216R0001	ZLS905E74-3LLALB	0,47
2CCA183218R0001	ZLS905E76-3LLALB	0,49
2CCA183220R0001	ZLS905E78-3LLALB	0,5
2CCA183222R0001	ZLS905E80-3LLALB	0,51
2CCA183235R0001	ZLS905E18-3LNLALB	0,12
2CCA183163R0001	ZLS905E20-3LNLALB	0,13
2CCA183165R0001	ZLS905E22-3LNLALB	0,15
2CCA183167R0001	ZLS905E24-3LNLALB	0,16
2CCA183169R0001	ZLS905E26-3LNLALB	0,17
2CCA183171R0001	ZLS905E28-3LNLALB	0,18
2CCA183173R0001	ZLS905E30-3LNLALB	0,2
2CCA183175R0001	ZLS905E32-3LNLALB	0,21
2CCA183177R0001	ZLS905E34-3LNLALB	0,22
2CCA183179R0001	ZLS905E36-3LNLALB	0,23
2CCA183181R0001	ZLS905E38-3LNLALB	0,25
2CCA183183R0001	ZLS905E40-3LNLALB	0,26
2CCA183185R0001	ZLS905E42-3LNLALB	0,27
2CCA183187R0001	ZLS905E44-3LNLALB	0,29
2CCA183189R0001	ZLS905E46-3LNLALB	0,3
2CCA183191R0001	ZLS905E48-3LNLALB	0,31
2CCA183193R0001	ZLS905E50-3LNLALB	0,32
2CCA183195R0001	ZLS905E52-3LNLALB	0,34
2CCA183197R0001	ZLS905E54-3LNLALB	0,35
2CCA183199R0001	ZLS905E56-3LNLALB	0,36
2CCA183201R0001	ZLS905E58-3LNLALB	0,38
2CCA183203R0001	ZLS905E60-3LNLALB	0,39
2CCA183205R0001	ZLS905E62-3LNLALB	0,4
2CCA183207R0001	ZLS905E64-3LNLALB	0,41
2CCA183209R0001	ZLS905E66-3LNLALB	0,43
2CCA183211R0001	ZLS905E68-3LNLALB	0,44
2CCA183213R0001	ZLS905E70-3LNLALB	0,45
2CCA183215R0001	ZLS905E72-3LNLALB	0,47
2CCA183217R0001	ZLS905E74-3LNLALB	0,48
2CCA183219R0001	ZLS905E76-3LNLALB	0,49
2CCA183221R0001	ZLS905E78-3LNLALB	0,5
2CCA183223R0001	ZLS905E80-3LNLALB	0,52

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN	1	EN	13/16

## Only Busbar metal part

Product Code	Description	E.F
2CCF212100M0056	ZLSP1250E56	0,64
2CCF212100M0074	ZLSP1250E74	0,85
2CCF212100M0064	ZLSP1250E64	0,73
2CCF212100M0096	ZLSP1250E96	1,1
2CCF212100M0050	ZLSP1250E50	0,57
2CCF212100M0030	ZLSP1250E30	0,34
2CCF212100M0098	ZLSP1250E98	1,12
2CCF212100M0100	ZLSP1250E100	1,14
2CCF212100M0072	ZLSP1250E72	0,82
2CCF212100M0080	ZLSP1250E80	0,91
2CCF212100M0048	ZLSP1250E48	0,55
2CCF212100M0046	ZLSP1250E46	0,53
2CCF212100M0070	ZLSP1250E70	0,8
2CCF212100M0108	ZLSP1250E108	1,23
2CCF212100M0032	ZLSP1250E32	0,37
2CCF212100M0036	ZLSP1250E36	0,41
2CCF212100M0040	ZLSP1250E40	0,46
2CCF212100M0044	ZLSP1250E44	0,5
2CCF212100M0052	ZLSP1250E52	0,59
2CCF212100M0062	ZLSP1250E62	0,71
2CCF212100M0102	ZLSP1250E102	1,17
2CCF212100M0104	ZLSP1250E104	1,19
2CCF212100M0034	ZLSP1250E34	0,39
2CCF002772R0001	ZLS200 (L=1979 mm)	0,71
2CCF002773R0001	ZLS202 (L1979mm)	0,23
2CCF800171R0001	ZLS201E34	0,22
2CCF800174R0001	ZLS201E40	0,26
2CCF800205R0001	ZLS201E102	0,65
2CCF800164R0001	ZLS201E20	0,13
2CCF800202R0001	ZLS201E96	0,62
2CCF800159R0001	ZLS201E8	0,05
2CCF800251R0001	ZLS203E74	0,15
2CCF800160R0001	ZLS201E12	0,08
2CCF800204R0001	ZLS201E100	0,64
2CCF800194R0001	ZLS201E80	0,51
2CCF800198R0001	ZLS201E88	0,56
2CCF800161R0001	ZLS201E14	0,09
2CCF800167R0001	ZLS201E26	0,17
2CCF800208R0001	ZLS201E108	0,69
2CCF800190R0001	ZLS201E72	0,46
2CCF800165R0001	ZLS201E22	0,14
2CCF800170R0001	ZLS201E32	0,21
2CCF800169R0001	ZLS201E30	0,19
2CCF800182R0001	ZLS201E56	0,36
2CCF800262R0001	ZLS203E96	0,2
2CCF800327R0001	ZLS201E109	0,7
2CCF800168R0001	ZLS201E28	0,18
2CCF800268R0001	ZLS203E108	0,22
2CCF800163R0001	ZLS201E18	0,12
2CCF800178R0001	ZLS201E48	0,31
2CCF800158R0001	ZLS201E6	0,04
2CCF800231R0001	ZLS203E34	0,07

## Only Busbar metal part

Product Code	Description	E.F
2CCF800176R0001	ZLS201E44	0,28
2CCF800250R0001	ZLS203E72	0,15
2CCF800162R0001	ZLS201E16	0,1
2CCF800186R0001	ZLS201E64	0,41
2CCF800226R0001	ZLS203E24	0,05
2CCF800229R0001	ZLS203E30	0,06
2CCF800233R0001	ZLS203E38	0,08
2CCF800258R0001	ZLS203E88	0,18
2CCF800263R0001	ZLS203E98	0,2
2CCF800184R0001	ZLS201E60	0,38
2CCF800185R0001	ZLS201E62	0,4
2CCF800179R0001	ZLS201E50	0,32
2CCF800188R0001	ZLS201E68	0,44
2CCF800189R0001	ZLS201E70	0,45
2CCF800238R0001	ZLS203E48	0,1
2CCF800172R0001	ZLS201E36	0,23
2CCF800192R0001	ZLS201E76	0,49
2CCF800222R0001	ZLS203E16	0,03
2CCF800203R0001	ZLS201E98	0,63
2CCF800242R0001	ZLS203E56	0,12
2CCF800196R0001	ZLS201E84	0,54
2CCF800286R0001	ZLS201E27	0,17
2CCF800183R0001	ZLS201E58	0,37
2CCF800206R0001	ZLS201E104	0,67
2CCF800177R0001	ZLS201E46	0,29
2CCF800175R0001	ZLS201E42	0,27
2CCF800230R0001	ZLS203E32	0,07
2CCF800173R0001	ZLS201E38	0,24
2CCF800193R0001	ZLS201E78	0,5
2CCF800264R0001	ZLS203E100	0,21
2CCF800245R0001	ZLS203E62	0,14
2CCF800252R0001	ZLS203E76	0,16
2CCF800191R0001	ZLS201E74	0,47
2CCF800218R0001	ZLS203E6	0,01
2CCF800223R0001	ZLS203E18	0,04
2CCF800246R0001	ZLS203E64	0,13
2CCF800180R0001	ZLS201E52	0,33
2CCF800200R0001	ZLS201E92	0,59
2CCF800181R0001	ZLS201E54	0,35
2CCF800227R0001	ZLS203E26	0,05
2CCF800228R0001	ZLS203E28	0,06
2CCF800236R0001	ZLS203E44	0,09
2CCF800244R0001	ZLS203E60	0,12

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN	1	EN	14/16

## 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 <sub>2</sub> 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 <sup>3</sup> 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)

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN		1 EN	15/16

Registration number: <b>ABBG-00481-V01.01-EN</b>	Drafting Rules: <b>PCR-ed4-EN-2021 09 06</b>
	<b>Supplemented by: PSR-0005-ed3-EN—2023 06 06</b>
Verifier accreditation number: <b>VH08</b>	Information and reference documents: <b>www.pep-ecopassport.org</b>
Date of issue: <b>05-2024</b>	Validity period: <b>5 years</b>
<b>Independent verification of the declaration and data, in compliance with ISO 14025: 2006</b>	
<b>Internal:</b> <input type="radio"/>	<b>External:</b> <input checked="" type="radio"/>
The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain)	
PEP are compliant with XP C08-100-1 :2016 or EN 50693:2019 or NE E38-500 :2022 The components of the present PEP may not be compared with elements from any other program.	
Document in compliance with ISO 14025: 2006 "Environmental labels and declarations. Type III environmental declarations"	
	

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
Approved	Public	ABBG-00481-V01.01-EN	1	EN	16/16