

DME100 M DIFFERENTIAL CIRCUIT BREAKER

Product Environmental Profile

Environmental Product Declaration





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

ORGANIZATION			CONTACT INFORMATION				
ABB Industrial Solutions Sp. Z o. o.			Carlota García Pleite <carlota.garciapleite@es.abb.com></carlota.garciapleite@es.abb.com>				
MANUFACTURING ADDRESS		WEBSITE					
ABB Industrial Solutions Sp. Z o. o. Pilsudskiego 5, 57-300 Klodzko, Poland			d	https://global.abb/group/en			
STATUS		SECURITY LEVEL REGISTRATION NUMBER REV. LANG.			LANG.	PAGE	
In Review		Public		ABBG-00110-V01.01-EN	1	en	1/11



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.

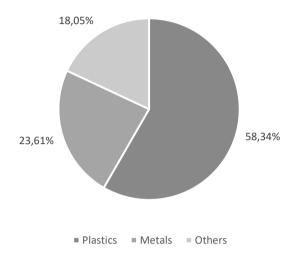


General Information

Reference product	DME100 M C20 A30 – 2CDB363501R1204
Description of the product	DME100 M is specifically designed to protect people and sites, both commercial and industrial, from overloads, short-circuits and earth-fault currents.
Functional unit	Protecting during 20 years the installation against overloads and short-circuits and people premises at risk of fire or explosion against insulation defects in circuit with assigned voltage U (230V) and rated current In (20A). The protection is ensured in accordance with the following parameters: 1P+N, Breaking Capacity 10kA, C Tripping Curve, 30mA Sensitivity A type.
Other products covered	DME100 M homogeneous family: 6kA & 10kA breaking capacity B an C char from 6 up to 40 A 30 mA type A & AC 1P+N black or blue color cable

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE			
In Review	Public	ABBG-00110-V01.01-EN	1	en	2/11			
© Copyright 2022 ABB. All rights reserved.								

Constituent materials



Total weight of	220,9 g
Reference product	

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-%	
Copper	33,0	PA6-20MF-5GF	21,4	РСВ	6,6	
Mixed steels	12,1	PPE+PS GF	0,6	Cardboard	10,4	
Stainless steel	2,4	PBT VO	0,6	Paper	1,1	
Other metals	10,8	Other plastics	1,1	-	-	

Total weight of the reference product and its packaging: 249,5 g (10,36% box and 1,1% paper)

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE			
In Review	Public	ABBG-00110-V01.01-EN	1	en	3/11			
© Copyright 2022 ABB. All rights reserved								



Additional Environmental Information

Manufacturing	Includes the environmental impacts associated with extraction and processing of the raw materials used to produce the product and its pacakging, transport to the manufacturing site and assembly.
Distribution	Includes the transportation in its pacakging from the manufacturer's last logistic platform to the distributor.
Installation	Installation stage includes the installation of the products made manually and packaging.
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. Reference product consumption over 20 years is 57,99 kWh
End of life	Includes its transportation from the installation site to the final end of life treatment site, and end of life treatment processes. A value of 1000 km transport by lorry is used for the transportation.
Benefits and loads beyond the system boundaries	Potential for reuse, recovery and/or recycling, expressed as net benefits and im-pacts



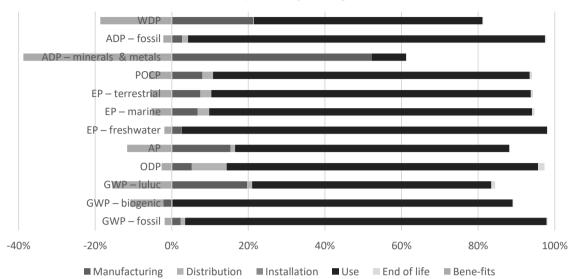
Environmental impacts

Reference lifetime	20 years
Product category	Differential 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	Middle East, Australia & India
Technological representativeness	Materials and processes data are specific for the production of DME100 M C20 A30 – 2CDB363501R1204 and its family
Software and database used	Simapro 9.3.0.3 and Ecoinvent v3.8
Energy model used	
Manufacturing	Poland General Energy Renewable
Installation	Manually done. Global
Use	Australia, India, Qatar, Arab Emirates, Kuwait, Saudi Arabia & Egipt
End of life	Recycling of product

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE			
In Review	Public	ABBG-00110-V01.01-EN	1	en	4/11			
© Copyright 2022 ABB. All rights reserved.								

Common base of mandatory indicators





Environmental impact indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Instal- lation	Use	End of life	Bene- fits
GWP-total	kg CO₂ eq	. 5,54E+01	1,29E+00	6,77E-01	2,00E-03	5,32E+01	1,54E-01	-1,07E+00
GWP-fossil	kg CO₂ eq	. 5,52E+01	1,29E+00	6,77E-01	1,99E-03	5,31E+01	1,53E-01	-1,05E+0
GWP-biogenic	kg CO₂ eq	. 1,41E-01	-3,56E-03	2,72E-04	2,23E-06	1,44E-01	1,72E-04	-1,40E-0
GWP-luluc	kg CO₂ eq	. 6,35E-03	1,48E-03	1,01E-04	9,88E-07	4,70E-03	7,60E-05	-1,17E-03
GWP-fossil = Globa GWP-biogenic = Gl GWP-luluc = Globa	lobal Warming P	otential biogen	ic	ge				
OPD	kg CFC-11 eq.	1,67E-06	9,02E-08	1,57E-07	3,81E-10	1,40E-06	2,93E-08	-4,56E-0
OPD = Depletion p	otential of the s	tratospheric oz	one layer					
AP	H+ eq.	3,02E-01	5,24E-02	4,12E-03	1,00E-05	2,45E-01	7,72E-04	-3,98E-0
AP = Acidification	potential, Accum	nulated Exceed	ance					
EP-freshwater	kg P eg.	8,44E-03	2,25E-04	1,76E-06	2,50E-08	8,21E-03	1,93E-06	-1,67E-0
	3 - 1							
EP-marine	kg N eq.	4,39E-02	3,15E-03	1,37E-03	3,60E-06	3,91E-02	2,77E-04	-2,45E-0
EP-marine EP-terrestrial	kg N eq. mol N eq.	4,98E-01	3,95E-02	1,51E-02	3,92E-05	4,40E-01	2,77E-04 3,01E-03	
EP-marine EP-terrestrial EP-freshwater = Eu EP-marine = Eutro EP-terrestrial = Eu	kg N eq. mol N eq. utrophication potent	4,98E-01 tential, fraction tial, fraction of ential, Accumu	3,95E-02 n of nutrients rea nutrients reachin lated Exceedance	1,51E-02 aching freshwate ng marine end co e	3,92E-05 r end compartm mpartment	4,40E-01 eent	3,01E-03	-2,98E-0
EP-marine EP-terrestrial EP-freshwater = Et EP-marine = Eutro EP-terrestrial = Eutro POCP	kg N eq. mol N eq. utrophication potentiation potentiatio	4,98E-01 tential, fraction tial, fraction of ential, Accumu 1,33E-01	3,95E-02 n of nutrients rea nutrients reachin lated Exceedance 1,13E-02	1,51E-02 aching freshwate ng marine end co	3,92E-05 r end compartm	4,40E-01 eent	•	-2,98E-0
EP-marine EP-terrestrial EP-freshwater = Eu EP-marine = Eutro EP-terrestrial = Eu	kg N eq. mol N eq. utrophication potentiation potentiatio	4,98E-01 tential, fraction tial, fraction of ential, Accumu 1,33E-01	3,95E-02 n of nutrients rea nutrients reachin lated Exceedance 1,13E-02	1,51E-02 aching freshwate ng marine end co e	3,92E-05 r end compartm mpartment	4,40E-01 eent	3,01E-03	-2,98E-0
EP-marine EP-terrestrial EP-freshwater = Et EP-marine = Eutro EP-terrestrial = Eutro POCP	kg N eq. mol N eq. utrophication potentiation potentiatio	4,98E-01 tential, fraction tial, fraction of ential, Accumu 1,33E-01	3,95E-02 n of nutrients rea nutrients reachin lated Exceedance 1,13E-02	1,51E-02 aching freshwate ng marine end co e	3,92E-05 r end compartm mpartment	4,40E-01 leent 1,17E-01	3,01E-03	-8,37E-0
EP-marine EP-terrestrial EP-freshwater = Et EP-marine = Eutro EP-terrestrial = Eutro POCP POCP = Formation ADP-minerals &	kg N eq. mol N eq. utrophication potentiation potentiation potentiation potentiation potentiation potentiation potentiation potential of tro	4,98E-01 tential, fraction tial, fraction of ential, Accumu 1,33E-01 po-spheric ozo	3,95E-02 n of nutrients reachir lated Exceedance 1,13E-02	1,51E-02 aching freshwate ng marine end co e 3,96E-03	3,92E-05 r end compartm mpartment 1,08E-05	4,40E-01 eent 1,17E-01 2,08E-04	3,01E-03 8,33E-04	-8,37E-0
EP-marine EP-terrestrial EP-freshwater = Et EP-marine = Eutro EP-terrestrial = Eu POCP POCP = Formation ADP-minerals & metals	kg N eq. mol N eq. utrophication potentrophication potentrophication potentrophication potentrophication potentrophication potentrophication potential of tro kg Sb eq. MJ etals = Abiotic de	4,98E-01 tential, fraction of tential, Accumu 1,33E-01 po-spheric ozo 1,41E-03 6,11E+02 epletion potential	3,95E-02 n of nutrients reachinutrients reachi	1,51E-02 aching freshwate ng marine end co e 3,96E-03 6,89E-07 9,52E+00	3,92E-05 r end compartm mpartment 1,08E-05	4,40E-01 eent 1,17E-01 2,08E-04	3,01E-03 8,33E-04 7,73E-07	-8,37E-0
EP-marine EP-terrestrial EP-freshwater = Et EP-marine = Eutro EP-terrestrial = Eutro POCP POCP = Formation ADP-minerals & metals ADP-fossil ADP-minerals & me	kg N eq. mol N eq. utrophication potentrophication potentrophication potentrophication potentrophication potentrophication potentrophication potential of tro kg Sb eq. MJ etals = Abiotic de	4,98E-01 Itential, fraction of ential, Accumu 1,33E-01 po-spheric ozo 1,41E-03 6,11E+02 epletion potentions of the potential pot	3,95E-02 n of nutrients reachinutrients reachi	1,51E-02 aching freshwate ng marine end co e 3,96E-03 6,89E-07 9,52E+00	3,92E-05 r end compartm mpartment 1,08E-05	4,40E-01 ient 1,17E-01 2,08E-04 5,83E+02	3,01E-03 8,33E-04 7,73E-07	-8,37E-0 -8,91E-0 -1,39E+0
EP-marine EP-terrestrial EP-freshwater = Et EP-marine = Eutro EP-terrestrial = Eu POCP POCP = Formation ADP-minerals & metals ADP-fossil ADP-minerals & metals ADP-fossil = Abiotic	kg N eq. mol N eq. utrophication potentiation potentiation potentiation potential of tro kg NMVOC eq. n potential of tro kg Sb eq. MJ etals = Abiotic defic deple-tion for m³ e depr.	4,98E-01 Itential, fraction of ential, Accumu 1,33E-01 po-spheric ozo 1,41E-03 6,11E+02 epletion potent fossil resource 5,01E+00	3,95E-02 n of nutrients reachin lated Exceedance 1,13E-02 ne 1,20E-03 1,71E+01 tial for non-fossil s potential	1,51E-02 aching freshwate ng marine end co e 3,96E-03 6,89E-07 9,52E+00 resources	3,92E-05 r end compartment 1,08E-05 1,00E-08 2,43E-02	4,40E-01 ient 1,17E-01 2,08E-04 5,83E+02	3,01E-03 8,33E-04 7,73E-07 1,87E+00	-8,37E-02 -8,91E-04 -1,39E+0
EP-marine EP-terrestrial EP-freshwater = Et EP-marine = Eutro EP-terrestrial = Eu POCP POCP = Formation ADP-minerals & metals ADP-fossil ADP-minerals & metals ADP-fossil = Abiotic	kg N eq. mol N eq. utrophication potentrophication potentrophication potentrophication potentrophication potentrophication potential of tro kg NMVOG eq. n potential of tro kg Sb eq. MJ etals = Abiotic do ic depletion for m³ e depr. rivation potentia	4,98E-01 Itential, fraction of ential, Accumu 1,33E-01 po-spheric ozo 1,41E-03 6,11E+02 epletion potent fossil resource 5,01E+00	3,95E-02 n of nutrients reachin lated Exceedance 1,13E-02 ne 1,20E-03 1,71E+01 tial for non-fossil s potential	1,51E-02 aching freshwate ng marine end co e 3,96E-03 6,89E-07 9,52E+00 resources	3,92E-05 r end compartment 1,08E-05 1,00E-08 2,43E-02 1,53E-04	4,40E-01 ient 1,17E-01 2,08E-04 5,83E+02	3,01E-03 8,33E-04 7,73E-07 1,87E+00	-8,37E-02 -8,91E-04 -1,39E+0

Common base of mandatory indicators

Inventory flows indicator - Resource use indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Instal- lation	Use	End of life	Bene- fits
PERE	MJ	4,82E+01	3,07E+00	5,34E-02	5,59E-04	4,50E+01	4,30E-02	-2,03E+00
PERM	MJ	6,79E-01	6,79E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	4,88E+01	3,75E+00	5,34E-02	5,59E-04	4,50E+01	4,30E-02	-2,03E+00
PENRE	MJ	6,10E+02	1,55E+01	9,52E+00	2,43E-02	5,83E+02	1,87E+00	-1,39E+01
PENRM	MJ	1,59E+00	1,59E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	MJ	6,11E+02	1,71E+01	9,52E+00	2,43E-02	5,83E+02	1,87E+00	-1,39E+01

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 re-sources)

Inventory flows indicator – Indicators describing the use of secondary materials, water, and energy re-sources

Indicator	Unit	Total	Manu- facturing	Distri- bution	Instal- lation	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	МЈ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	m³	1,44E-01	3,15E-02	4,35E-04	5,09E-06	1,12E-01	3,92E-04	-2,76E-02

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	Instal- lation	Use	End of life	Bene- fits
Hazardous waste disposed	kg	4,14E-04	3,79E-05	2,49E-05	6,91E-08	3,46E-04	5,31E-06	-1,68E-05
Non- hazardous waste disposed	kg	2,58E+00	3,75E-01	4,48E-02	1,17E-03	2,07E+00	9,03E-02	-2,62E-01
Radioactive waste disposed	kg	4,24E-04	3,67E-05	6,69E-05	1,59E-07	3,08E-04	1,22E-05	-2,43E-05

		SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
In Review Public ABBG-00110-V01.01-EN 1 en	n Review	Public	ABBG-00110-V01.01-EN	1	en	6/11

Common base of mandatory indicators

Inventory flows indicator – Output flow indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Instal- lation	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	2,18E-01	1,93E-02	0,00E+00	0,00E+00	0,00E+00	1,99E-01	0,00E+00
Materials for energy recovery	kg	1,74E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,74E-02	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
Biogenic carbon content of the product	kg of C	0,00E+00
Biogenic carbon content of the associated packaging	kg of C	1,96E-02

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE	
In Review	Public	ABBG-00110-V01.01-EN	1	en	7/11	
© Countries 2022 ADD All rights are used						

Optional indicators

Environmental indicators

Indicator	Unit	Total	Manu- facturing	Distri- bution	Instal- lation	Use	End of life	Bene- fits
Total use of primary energy during the life cycle	МЈ	6,60E+02	2,08E+01	9,57E+00	2,49E-02	6,28E+02	1,92E+00	-1,59E+01
Emissions of fine particles	inciden ce of diseas es	7,160E-07	1,510E-07	1,150E-08	1,310E-10	5,430E-07	1,030E-08	-1,170E-07
lonizing radiation, human health	kBq U235 eq.	3,170E-01	4,190E-02	4,130E-02	1,060E-03	2,260E-01	8,140E-01	-2,990E+02
Ecotoxicity (fresh water)	CTUe	9,830E+02	4,010E+02	5,520E+00	2,880E-02	5,740E+02	2,210E+00	-2,990E+02
Human toxicity, car- cinogenic effects	CTUh	1,190E-06	6,640E-07	8,180E-09	2,560E-11	5,200E-07	1,970E-09	-4,940E-07
Human toxicity, non- carcinogenic effects	CTUh	2,290E-08	1,050E-08	1,130E-10	1,370E-12	1,220E-08	1,050E-10	-7,440E-09
Impact related to land use/soil quality	kg	6,510E+01	2,040E+01	1,640E+00	1,130E-02	4,210E+01	8,720E-01	-1,370E+01

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE	
In Review	Public	ABBG-00110-V01.01-EN	1	en	8/11	
© Copyright 2022 ABB. All rights reserved.						

Extrapolation rules

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

Amperage (A)	Manufacturing	Distribution	Installation	Use	EoL
6	1,00	1,00	1,00	0,46	1,00
10	1,00	1,00	1,00	0,58	1,00
16	1,00	1,00	1,00	0,88	1,00
20	1,00	1,00	1,00	1,00	1,00
25	1,00	1,00	1,00	1,20	1,00
32	1,00	1,00	1,00	1,46	1,00
40	1,00	1,00	1,00	1,93	1,00

Product description	Product code
DME60D C6 AC30	2CDB362500R1064
DME60D C10 AC30	2CDB362500R1104
DME60D C16 AC30	2CDB362500R1164
DME60D C20 AC30	2CDB362500R1204
DME60D C25 AC30	2CDB362500R1254
DME60D C32 AC30	2CDB362500R1324
DME60D C40 AC30	2CDB362500R1404
DME60D C6 A30	2CDB362501R1064
DME60D C10 A30	2CDB362501R1104
DME60D C16 A30	2CDB362501R1164
DME60D C20 A30	2CDB362501R1204
DME60D C25 A30	2CDB362501R1254
DME60D C32 A30	2CDB362501R1324
DME60D C40 A30	2CDB362501R1404
DME100 M C6 AC30	2CDB363500R1064
DME100 M B6 AC30	2CDB363500R1065
DME100 M C10 AC30	2CDB363500R1104
DME100 M B10 AC30	2CDB363500R1105
DME100 M C16 AC30	2CDB363500R1164
DME100 M B16 AC30	2CDB363500R1165
DME100 M C20 AC30	2CDB363500R1204
DME100 M B20 AC30	2CDB363500R1205
DME100 M C25 AC30	2CDB363500R1254
DME100 M B25 AC30	2CDB363500R1255
DME100 M C32 AC30	2CDB363500R1324
DME100 M B32 AC30	2CDB363500R1325
DME100 M C40 AC30	2CDB363500R1404
DME100 M B40 AC30	2CDB363500R1405
DME100 M C6 A30	2CDB363501R1064
DME100 M B6 A30	2CDB363501R1065
DME100 M C10 A30	2CDB363501R1104
DME100 M B10 A30	2CDB363501R1105

Product description	Product code
DME100 M C16 A30	2CDB363501R1164
DME100 M B16 A30	2CDB363501R1165
DME100 M C20 A30	2CDB363501R1204
DME100 M B20 A30	2CDB363501R1205
DME100 M C25 A30	2CDB363501R1254
DME100 M B25 A30	2CDB363501R1255
DME100 M C32 A30	2CDB363501R1324
DME100 M B32 A30	2CDB363501R1325
DME100 M C40 A30	2CDB363501R1404
DME100 M B40 A30	2CDB363501R1405
DME60D C6 AC30	2CDB372500R1064
DME60D C10 AC30	2CDB372500R1104
DME60D C16 AC30	2CDB372500R1164
DME60D C20 AC30	2CDB372500R1204
DME60D C25 AC30	2CDB372500R1254
DME60D C32 AC30	2CDB372500R1324
DME60D C40 AC30	2CDB372500R1404
DME100 M C6 A30	2CDB373501R1064
DME100 M B6 A30	2CDB373501R1065
DME100 M C10 A30	2CDB373501R1104
DME100 M B10 A30	2CDB373501R1105
DME100 M C16 A30	2CDB373501R1164
DME100 M B16 A30	2CDB373501R1165
DME100 M C20 A30	2CDB373501R1204
DME100 M B20 A30	2CDB373501R1205
DME100 M C25 A30	2CDB373501R1254
DME100 M B25 A30	2CDB373501R1255
DME100 M C32 A30	2CDB373501R1324
DME100 M B32 A30	2CDB373501R1325
DME100 M C40 A30	2CDB373501R1404
DME100 M B40 A30	2CDB373501R1405

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
In Review	Public	ABBG-00110-V01.01-EN	1	en	9/11

Registration number:	Drafting Rules:	PCR-ed4-EN-2021 09 06
ABBG-00110-V01.01-EN	Supplemented by:	PSR-0005-ed2-EN-2016 03 29
Verifier accreditation number:	Information and refere	nce documents:
VH48	www.pep-ecopassport	.org
Date of issue: 03-2023	Validity period:	5 years
Independent verification of the declaration and data, in co	ompliance with ISO 14025:	2010
Internal	External	
The PCR review was conducted by a panel of experts chair Julie ORGELET (DDemain)	red by	PEP
PEP are compliant with XP C08-100-1: 2016 or EN 50693:20 The elements of the present PEP cannot be compared wit another program		PASS PORT

Document in compliance with ISO 14025: 2010 "Environmental labels and

declarations. Type III environmental declarations"

STATUS	SECURITY LEVEL	REGISTRATION NUMBER	REV.	LANG.	PAGE
In Review	Public	ABBG-00110-V01.01-EN	1	en	10/11
© Copyright 2022 ARR All rights received					

Environmental Impact Indicator Glossary

Impact indicators

Indicator	Description	Unit
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 CO₂ eq.
Ozone depletion (OD)	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.	m³ e depr.

Resource use indicators

Indicator	Description	Unit
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	
In Review	Public	ABBG-00110-V01.01-EN	1	en	11/11	
© Copyright 2022 ABB. All rights reserved.						