

PCB plug-in connector - OMNIMATE Signal - Series SL 5.08

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Germany

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General data

Reference product	1258410000 SL 5.08/02/135 3.2SN BK BX
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Description of the product	The Weidmüller SL 5.08 series are printed circuit board connectors for industrial applications with a focus on signal processing. Designed for wave soldering in a 5.08 mm pitch, the male headers are available in versions with either open or closed ends (B). The pin headers provide space for labelling and can be coded.
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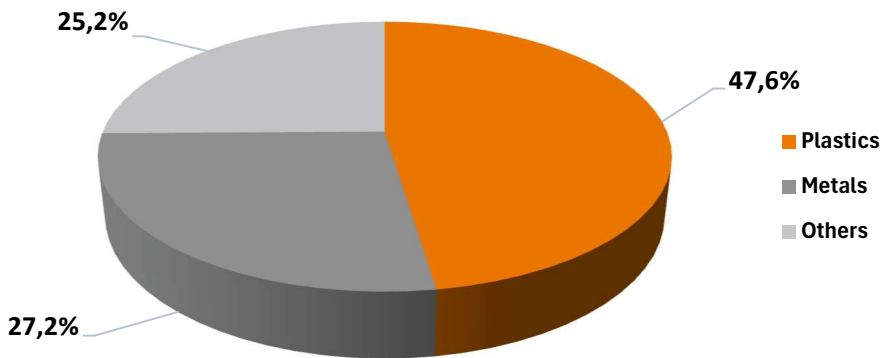
Functional unit	Connection of printed circuit boards and electrical devices, according to the appropriate use scenario, and during the reference service life of the product of 20 years.
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Other products covered

1603060000	1507350000	1605530000	1605990000	1175330000
1603070000	1507730000	1605540000	1635510000	1603080000
1507740000	1605550000	1606010000	1907050000	1603090000
1605560000	1538480000	1603100000	1605570000	1606030000
1603110000	1605580000	1603120000	1605590000	1603130000
1605600000	1603140000	1605610000	1603150000	1605620000
1603160000	1605630000	1606090000	1603170000	1605640000
1603180000	1605650000	1603190000	1605660000	1603200000
1605670000	1603210000	1605680000	1603220000	1605690000
1603230000	1605700000	1603240000	1605710000	1603250000
1605720000	1603260000	1605730000	1603270000	1605740000
1603280000	1605750000	1324100000	1597840000	1597760000
1597770000	1597780000	1597800000	1597820000	1597830000

Constituent Materials

The total weight of the reference product is 0,9 g (including packaging material). The constituent materials are distributed as follows:



Categorisation according to the material classes of IEC 62474:

Plastics			Metals			Other		
M-211	Polybutylene terephthalate (PBT)	47,6 %	M-121	Copper and its alloys	27,2 %	M-341	Paper	25,2 %
Plastics in total		47,6 %	Metals in total		27,2 %	Others in total		25,2 %

The products are in compliance with RoHS (EU Directive 2011/65/EU).

According to the REACH Regulation 1907/2006, the ECHA publishes on its website which substances are to be classified as so-called substances of very high concern (SVHC). As soon as an article contains SVHC above the respective threshold values for the declaration obligation according to Article 33, the affected articles and the SVHC they contain are published in the online product catalogue at each product.

The online product catalogue site of the reference product can be accessed via the link:

<https://eshop.weidmueller.com/p/1258410000>

Additional Environmental Information

Manufacture	This stage includes the manufacturing of the product and its packaging as well as the transport to the manufacturer's last logistics platform located in Hörselbach-Hainich (Germany). The final assembly site is located in Germany and has an ISO 14001 and ISO 50.001 certified environmental management system.
Distribution	The shipment is made from the distribution centre to the customer by truck. The transport route to the customer was assumed to be 3500 km by lorry.
Installation	Only the disposal of the packaging is considered in this phase, as the installation is carried out manually with non-electrical tools.
Use	No maintenance or utilities are required during use. The power consumption was calculated according to the use scenario below.
End of Life	The end-of-life stage is modelled based on the data from Eurostat. The transport route to the disposal company was assumed to be 1000 km by lorry.

Environmental Impacts

Reference Service Lifetime	20			
Product category	Electrical switchgear and control gear solutions			
Installation elements	No special installation elements required.			
Use scenario	During the use phase, the product dissipates some electricity due to power losses. The average power loss was calculated using the following assumptions: - RSL of 20 years; - Load rate: 50 % of the short time withstand current - Use rate: 50 % RSL.			
Geographical representativeness	Europe			
Software	Sphera LCA for Experts, v10.9.1.10			
Database	Sphera MLC Databases 2025.1			
Energy model	Manufacture*	Installation	Use	End of Life
	Germany	-	Europe	Europe

*Energy model of the final assembly site.

The following tables represent the impact values of the reference product according to DIN EN 15804:2022-03 except for the environmental indicators of output flows and information on the biogenic carbon content of the product and the associated packaging.

Environmental impact indicators

Indicator	Unit	Total*	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End of Life C1-C4	Benefits and Loads D
Climate change - total	kg CO ₂ eq.	6,03E+00	5,08E-03	2,69E-04	6,30E-05	6,02E+00	7,77E-05	-2,82E-03
Climate change - fossil	kg CO ₂ eq.	5,95E+00	5,52E-03	2,72E-04	4,51E-06	5,94E+00	6,55E-05	-3,22E-03
Climate change - biogenic	kg CO ₂ eq.	6,07E-02	-4,47E-04	-6,03E-06	5,84E-05	6,11E-02	1,16E-05	4,20E-04
Climate change - land use and land use change	kg CO ₂ eq.	1,96E-02	9,77E-06	2,80E-06	2,42E-08	1,96E-02	6,24E-07	-2,58E-05
Ozone depletion	kg CFC 11 eq.	1,36E-10	2,04E-13	4,52E-17	7,98E-18	1,35E-10	1,21E-17	-1,38E-14
Acidification	mol H ⁺ eq.	1,30E-02	3,15E-05	5,12E-07	2,03E-08	1,30E-02	9,94E-08	-2,10E-05
Eutrophication - freshwater	kg P eq.	1,27E-05	1,41E-08	7,34E-10	1,99E-10	1,27E-05	4,67E-10	-1,55E-08
Eutrophication - marine aquatic	kg N eq.	3,12E-03	3,41E-06	2,19E-07	9,55E-09	3,12E-03	4,25E-08	-3,44E-06
Eutrophication - terrestrial	mol N- eq.	3,50E-02	3,65E-05	2,34E-06	8,37E-08	3,50E-02	4,28E-07	-3,67E-05
Photochemical ozone formation	kg NMVOC	7,76E-03	1,25E-05	4,61E-07	2,94E-08	7,75E-03	9,40E-08	-1,14E-05
Resource use, mineral and metals	kg Sb eq.	2,43E-06	1,19E-06	1,81E-11	2,58E-13	1,24E-06	4,07E-12	-7,64E-07
Resource use, fossils	MJ	1,21E+02	9,91E-02	3,49E-03	6,06E-05	1,21E+02	7,88E-04	-6,32E-02
Water use	m ³	1,49E+00	1,01E-03	1,24E-06	3,88E-06	1,49E+00	7,62E-07	-1,08E-03

Additional environmental impact indicators

Indicator	Unit	Total*	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End of Life C1-C4	Benefits and Loads D
Particulate matter	Disease incidences	1,08E-07	2,64E-10	4,29E-12	1,58E-13	1,08E-07	8,88E-13	-1,89E-10
Ionising radiation, human health	kBq U235 eq.	3,16E+00	1,49E-04	9,46E-07	1,28E-07	3,16E+00	2,40E-07	-9,38E-05
Ecotoxicity, freshwater	CTUe	2,05E+01	4,10E-02	4,54E-03	5,76E-05	2,05E+01	1,02E-03	-2,38E-02
Human toxicity, cancer	CTUh	1,93E-09	2,18E-12	6,12E-14	1,08E-15	1,93E-09	1,39E-14	-1,95E-12
Human toxicity, non-cancer	CTUh	4,07E-08	1,19E-10	3,42E-12	7,30E-14	4,06E-08	7,86E-13	-6,65E-11
Land Use	-	4,86E+01	4,66E-02	1,54E-03	1,65E-05	4,86E+01	3,44E-04	-1,72E-02

Resources use indicators

Indicator	Unit	Total*	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End of Life C1-C4	Benefits and Loads D
Use of renewable primary energy	MJ	8,29E+01	3,00E-02	2,63E-04	7,12E-06	8,29E+01	6,00E-05	-1,35E-02
Total use of renewable primary energy resources	MJ	8,29E+01	3,00E-02	2,63E-04	7,12E-06	8,29E+01	6,00E-05	-1,35E-02
Use of non-renewable primary energy	MJ	1,21E+02	9,91E-02	3,49E-03	6,06E-05	1,21E+02	7,88E-04	-6,32E-02
Total use of non-renewable primary energy resources	MJ	1,21E+02	9,91E-02	3,49E-03	6,06E-05	1,21E+02	7,88E-04	-6,32E-02
Input of secondary material	kg	2,05E-04	2,05E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m³	6,44E-02	3,78E-05	1,30E-07	9,28E-08	6,43E-02	4,07E-08	-2,95E-05

Waste category indicators

Indicator	Unit	Total*	Manufacturing A1-A3	Distribution A4	Installation A5	Use B1-B7	End of Life C1-C4	Benefits and Loads D
Hazardous waste disposed	kg	1,59E-07	1,17E-10	1,40E-13	9,90E-15	1,58E-07	3,36E-14	-4,66E-11
Non-hazardous waste disposed	kg	9,47E-02	7,38E-04	4,87E-07	1,88E-05	9,39E-02	1,10E-05	-7,11E-05
Radioactive waste disposed	kg	1,91E-02	1,08E-06	6,58E-09	8,36E-10	1,91E-02	1,66E-09	-8,23E-07

*In accordance with the current Product Category Rules (PCR), the values presented in the 'Total' column do not include the benefits and loads beyond the system boundaries as represented in 'Module D'.

The following table represents the environmental impact indicators for products other than the reference product covered by this Environmental Product Declaration (EPD).

Product number	Life Cycle Phase	Climate change - total	Climate change - fossil	Climate change - biogenic	Climate change -land use and land use change	Ozone depletion	Acidification	Eutrophication - freshwater	Eutrophication - marine	Eutrophication - terrestrial	Photochemical ozone formation	Resource use, mineral and metals	Resource use, fossils	Water use
1603060000 1507350000 1605530000	Total*	6,03E+00	5,95E+00	6,07E-02	1,96E-02	1,36E-10	1,30E-02	1,27E-05	3,12E-03	3,50E-02	7,76E-03	2,43E-06	1,21E+02	1,49E+00
	Manufacturing	5,08E-03	5,52E-03	-4,47E-04	9,77E-06	2,04E-13	3,15E-05	1,41E-08	3,41E-06	3,65E-05	1,25E-05	1,19E-06	9,91E-02	1,01E-03
	Distribution	2,69E-04	2,72E-04	-6,03E-06	2,80E-06	4,52E-17	5,12E-07	7,34E-10	2,19E-07	2,34E-06	4,61E-07	1,81E-11	3,49E-03	1,24E-06
	Installation	6,30E-05	4,51E-06	5,84E-05	2,42E-08	7,98E-18	2,03E-08	1,99E-10	9,55E-09	8,37E-08	2,94E-08	2,58E-13	6,06E-05	3,88E-06
	Use	6,02E+00	5,94E+00	6,11E-02	1,96E-02	1,35E-10	1,30E-02	1,27E-05	3,12E-03	3,50E-02	7,75E-03	1,24E-06	1,21E+02	1,49E+00
	End of Life	7,77E-05	6,55E-05	1,16E-05	6,24E-07	1,21E-17	9,94E-08	4,67E-10	4,25E-08	4,28E-07	9,40E-08	4,07E-12	7,88E-04	7,62E-07
	Module D	-2,82E-03	-3,22E-03	4,20E-04	-2,58E-05	-1,38E-14	-2,10E-05	-1,55E-08	-3,44E-06	-3,67E-05	-1,14E-05	-7,64E-07	-6,32E-02	-1,08E-03
1605990000	Total*	6,03E+00	5,95E+00	6,07E-02	1,96E-02	1,36E-10	1,30E-02	1,27E-05	3,13E-03	3,50E-02	7,76E-03	2,40E-06	1,21E+02	1,49E+00
	Manufacturing	5,38E-03	5,79E-03	-4,16E-04	9,77E-06	2,05E-13	3,11E-05	1,58E-08	3,56E-06	3,82E-05	1,28E-05	1,16E-06	1,03E-01	9,73E-04
	Distribution	2,69E-04	2,72E-04	-6,03E-06	2,80E-06	4,52E-17	5,12E-07	7,34E-10	2,19E-07	2,34E-06	4,61E-07	1,81E-11	3,49E-03	1,24E-06
	Installation	6,30E-05	4,51E-06	5,84E-05	2,42E-08	7,98E-18	2,03E-08	1,99E-10	9,55E-09	8,37E-08	2,94E-08	2,58E-13	6,06E-05	3,88E-06
	Use	6,02E+00	5,94E+00	6,11E-02	1,96E-02	1,35E-10	1,30E-02	1,27E-05	3,12E-03	3,50E-02	7,75E-03	1,24E-06	1,21E+02	1,49E+00
	End of Life	7,77E-05	6,55E-05	1,16E-05	6,24E-07	1,21E-17	9,94E-08	4,67E-10	4,25E-08	4,28E-07	9,40E-08	4,07E-12	7,88E-04	7,62E-07
	Module D	-2,81E-03	-3,21E-03	4,20E-04	-2,56E-05	-1,37E-14	-2,08E-05	-1,54E-08	-3,43E-06	-3,65E-05	-1,14E-05	-7,58E-07	-6,31E-02	-1,07E-03
1175330000 1603070000 1507730000 1605540000	Total*	9,04E+00	8,92E+00	9,13E-02	2,94E-02	2,03E-10	1,96E-02	1,91E-05	4,69E-03	5,25E-02	1,16E-02	3,64E-06	1,82E+02	2,24E+00
	Manufacturing	7,37E-03	7,80E-03	-4,36E-04	1,35E-05	3,03E-13	4,64E-05	1,82E-08	4,76E-06	5,13E-05	1,77E-05	1,79E-06	1,39E-01	1,49E-03
	Distribution	3,63E-04	3,67E-04	-8,14E-06	3,78E-06	6,10E-17	6,91E-07	9,90E-10	2,96E-07	3,16E-06	6,22E-07	2,44E-11	4,71E-03	1,68E-06
	Installation	6,30E-05	4,51E-06	5,84E-05	2,42E-08	7,98E-18	2,03E-08	1,99E-10	9,55E-09	8,37E-08	2,94E-08	2,58E-13	6,06E-05	3,88E-06
	Use	9,03E+00	8,91E+00	9,16E-02	2,94E-02	2,03E-10	1,95E-02	1,91E-05	4,68E-03	5,25E-02	1,16E-02	1,85E-06	1,82E+02	2,23E+00
	End of Life	1,14E-04	9,62E-05	1,70E-05	9,16E-07	1,78E-17	1,46E-07	6,85E-10	6,24E-08	6,28E-07	1,38E-07	5,97E-12	1,16E-03	1,12E-06
	Module D	-4,24E-03	-4,63E-03	4,32E-04	-3,79E-05	-1,99E-14	-3,10E-05	-2,11E-08	-4,96E-06	-5,31E-05	-1,67E-05	-1,15E-06	-9,10E-02	-1,60E-03
1635510000	Total*	9,04E+00	8,92E+00	9,13E-02	2,94E-02	2,03E-10	1,96E-02	1,91E-05	4,69E-03	5,25E-02	1,16E-02	3,59E-06	1,82E+02	2,24E+00
	Manufacturing	7,83E-03	8,20E-03	-3,90E-04	1,35E-05	3,04E-13	4,58E-05	2,07E-08	4,99E-06	5,38E-05	1,81E-05	1,74E-06	1,44E-01	1,43E-03
	Distribution	3,63E-04	3,67E-04	-8,14E-06	3,78E-06	6,10E-17	6,91E-07	9,90E-10	2,96E-07	3,16E-06	6,22E-07	2,44E-11	4,71E-03	1,68E-06
	Installation	6,30E-05	4,51E-06	5,84E-05	2,42E-08	7,98E-18	2,03E-08	1,99E-10	9,55E-09	8,37E-08	2,94E-08	2,58E-13	6,06E-05	3,88E-06
	Use	9,03E+00	8,91E+00	9,16E-02	2,94E-02	2,03E-10	1,95E-02	1,91E-05	4,68E-03	5,25E-02	1,16E-02	1,85E-06	1,82E+02	2,23E+00
	End of Life	1,14E-04	9,62E-05	1,70E-05	9,16E-07	1,78E-17	1,46E-07	6,85E-10	6,24E-08	6,28E-07	1,38E-07	5,97E-12	1,16E-03	1,12E-06

	Module D	-4,22E-03	-4,62E-03	4,31E-04	-3,77E-05	-1,99E-14	-3,08E-05	-2,10E-08	-4,93E-06	-5,28E-05	-1,66E-05	-1,14E-06	-9,08E-02	-1,59E-03
1603080000 1507740000 1605550000	Total*	1,21E+01	1,19E+01	1,22E-01	3,92E-02	2,71E-10	2,61E-02	2,54E-05	6,25E-03	7,00E-02	1,55E-02	4,85E-06	2,43E+02	2,98E+00
	Manufacturing	9,55E-03	1,02E-02	-6,78E-04	1,83E-05	4,02E-13	6,18E-05	2,48E-08	6,34E-06	6,81E-05	2,33E-05	2,38E-06	1,81E-01	1,99E-03
	Distribution	4,96E-04	5,02E-04	-1,11E-05	5,17E-06	8,33E-17	9,44E-07	1,35E-09	4,05E-07	4,32E-06	8,51E-07	3,34E-11	6,44E-03	2,30E-06
	Installation	9,69E-05	6,93E-06	8,99E-05	3,72E-08	1,23E-17	3,12E-08	3,06E-10	1,47E-08	1,29E-07	4,53E-08	3,97E-13	9,32E-05	5,97E-06
	Use	1,20E+01	1,19E+01	1,22E-01	3,92E-02	2,71E-10	2,60E-02	2,54E-05	6,24E-03	7,00E-02	1,55E-02	2,47E-06	2,43E+02	2,98E+00
	End of Life	1,51E-04	1,28E-04	2,25E-05	1,22E-06	2,37E-17	1,94E-07	9,10E-10	8,28E-08	8,34E-07	1,83E-07	7,92E-12	1,53E-03	1,48E-06
	Module D	-5,59E-03	-6,19E-03	6,55E-04	-5,09E-05	-2,66E-14	-4,14E-05	-2,89E-08	-6,67E-06	-7,13E-05	-2,23E-05	-1,53E-06	-1,21E-01	-2,14E-03
1606010000	Total*	1,21E+01	1,19E+01	1,22E-01	3,92E-02	2,71E-10	2,61E-02	2,54E-05	6,25E-03	7,00E-02	1,55E-02	4,79E-06	2,43E+02	2,98E+00
	Manufacturing	1,01E-02	1,07E-02	-6,17E-04	1,83E-05	4,04E-13	6,09E-05	2,82E-08	6,63E-06	7,14E-05	2,38E-05	2,32E-06	1,88E-01	1,91E-03
	Distribution	4,96E-04	5,02E-04	-1,11E-05	5,17E-06	8,33E-17	9,44E-07	1,35E-09	4,05E-07	4,32E-06	8,51E-07	3,34E-11	6,44E-03	2,30E-06
	Installation	9,69E-05	6,93E-06	8,99E-05	3,72E-08	1,23E-17	3,12E-08	3,06E-10	1,47E-08	1,29E-07	4,53E-08	3,97E-13	9,32E-05	5,97E-06
	Use	1,20E+01	1,19E+01	1,22E-01	3,92E-02	2,71E-10	2,60E-02	2,54E-05	6,24E-03	7,00E-02	1,55E-02	2,47E-06	2,43E+02	2,98E+00
	End of Life	1,51E-04	1,28E-04	2,25E-05	1,22E-06	2,37E-17	1,94E-07	9,10E-10	8,28E-08	8,34E-07	1,83E-07	7,92E-12	1,53E-03	1,48E-06
	Module D	-5,57E-03	-6,17E-03	6,54E-04	-5,05E-05	-2,66E-14	-4,11E-05	-2,87E-08	-6,64E-06	-7,09E-05	-2,22E-05	-1,52E-06	-1,21E-01	-2,12E-03
1907050000 1603090000 1605560000	Total*	1,51E+01	1,49E+01	1,52E-01	4,91E-02	3,39E-10	3,26E-02	3,18E-05	7,81E-03	8,75E-02	1,94E-02	6,06E-06	3,03E+02	3,73E+00
	Manufacturing	1,16E-02	1,24E-02	-8,26E-04	2,26E-05	4,99E-13	7,67E-05	3,03E-08	7,75E-06	8,33E-05	2,84E-05	2,98E-06	2,17E-01	2,47E-03
	Distribution	6,10E-04	6,18E-04	-1,37E-05	6,36E-06	1,03E-16	1,16E-06	1,67E-09	4,98E-07	5,32E-06	1,05E-06	4,11E-11	7,92E-03	2,82E-06
	Installation	1,18E-04	8,44E-06	1,10E-04	4,53E-08	1,49E-17	3,80E-08	3,73E-10	1,79E-08	1,57E-07	5,51E-08	4,83E-13	1,13E-04	7,27E-06
	Use	1,51E+01	1,49E+01	1,53E-01	4,90E-02	3,38E-10	3,25E-02	3,18E-05	7,80E-03	8,75E-02	1,94E-02	3,09E-06	3,03E+02	3,72E+00
	End of Life	1,87E-04	1,57E-04	2,78E-05	1,50E-06	2,92E-17	2,39E-07	1,12E-09	1,02E-07	1,03E-06	2,26E-07	9,77E-12	1,89E-03	1,83E-06
	Module D	-6,90E-03	-7,63E-03	7,97E-04	-6,35E-05	-3,29E-14	-5,16E-05	-3,58E-08	-8,29E-06	-8,86E-05	-2,76E-05	-1,91E-06	-1,49E-01	-2,67E-03
1538480000	Total*	1,51E+01	1,49E+01	1,52E-01	4,92E-02	3,41E-10	3,30E-02	3,19E-05	7,86E-03	8,81E-02	1,96E-02	2,03E-05	3,04E+02	3,74E+00
	Manufacturing	5,73E-02	5,80E-02	-7,95E-04	1,15E-04	2,58E-12	4,91E-04	1,16E-07	5,83E-05	6,18E-04	1,81E-04	1,72E-05	7,50E-01	1,59E-02
	Distribution	2,06E-03	2,08E-03	-4,61E-05	2,14E-05	3,45E-16	3,91E-06	5,61E-09	1,68E-06	1,79E-05	3,53E-06	1,38E-10	2,67E-02	9,52E-06
	Installation	1,87E-04	1,34E-05	1,74E-04	7,20E-08	2,37E-17	6,03E-08	5,92E-10	2,84E-08	2,49E-07	8,76E-08	7,67E-13	1,80E-04	1,15E-05
	Use	1,51E+01	1,49E+01	1,53E-01	4,90E-02	3,38E-10	3,25E-02	3,18E-05	7,80E-03	8,75E-02	1,94E-02	3,09E-06	3,03E+02	3,72E+00
	End of Life	7,17E-04	6,04E-04	1,07E-04	5,76E-06	1,12E-16	9,17E-07	4,31E-09	3,92E-07	3,95E-06	8,67E-07	3,75E-11	7,26E-03	7,03E-06
	Module D	-1,19E-02	-1,30E-02	1,36E-03	-2,41E-04	-6,79E-14	-1,83E-04	-1,05E-07	-2,51E-05	-2,69E-04	-7,39E-05	-7,58E-06	-1,60E-01	-1,02E-02
1603100000 1605570000	Total*	1,81E+01	1,78E+01	1,83E-01	5,89E-02	4,07E-10	3,91E-02	3,82E-05	9,37E-03	1,05E-01	2,33E-02	7,28E-06	3,64E+02	4,47E+00
	Manufacturing	1,42E-02	1,49E-02	-8,15E-04	2,65E-05	6,00E-13	9,20E-05	3,48E-08	9,22E-06	9,94E-05	3,42E-05	3,57E-06	2,64E-01	2,96E-03
	Distribution	7,09E-04	7,18E-04	-1,59E-05	7,39E-06	1,19E-16	1,35E-06	1,94E-09	5,79E-07	6,18E-06	1,22E-06	4,78E-11	9,20E-03	3,28E-06
	Installation	1,18E-04	8,44E-06	1,10E-04	4,53E-08	1,49E-17	3,80E-08	3,73E-10	1,79E-08	1,57E-07	5,51E-08	4,83E-13	1,13E-04	7,27E-06
	Use	1,81E+01	1,78E+01	1,83E-01	5,88E-02	4,06E-10	3,90E-02	3,81E-05	9,36E-03	1,05E-01	2,32E-02	3,71E-06	3,64E+02	4,47E+00
	End of Life	2,25E-04	1,90E-04	3,35E-05	1,81E-06	3,52E-17	2,88E-07	1,35E-09	1,23E-07	1,24E-06	2,72E-07	1,18E-11	2,28E-03	2,21E-06
	Module D	-8,39E-03	-9,12E-03	8,11E-04	-7,56E-05	-3,94E-14	-6,18E-05	-4,15E-08	-9,84E-06	-1,05E-04	-3,30E-05	-2,29E-06	-1,79E-01	-3,20E-03
1606030000	Total*	1,81E+01	1,78E+01	1,83E-01	5,89E-02	4,07E-10	3,91E-02	3,82E-05	9,37E-03	1,05E-01	2,33E-02	7,18E-06	3,64E+02	4,47E+00
	Manufacturing	1,51E-02	1,58E-02	-7,23E-04	2,65E-05	6,03E-13	9,06E-05	3,98E-08	9,67E-06	1,04E-04	3,50E-05	3,48E-06	2,74E-01	2,85E-03

	Distribution	7,09E-04	7,18E-04	-1,59E-05	7,39E-06	1,19E-16	1,35E-06	1,94E-09	5,79E-07	6,18E-06	1,22E-06	4,78E-11	9,20E-03	3,28E-06
	Installation	1,18E-04	8,44E-06	1,10E-04	4,53E-08	1,49E-17	3,80E-08	3,73E-10	1,79E-08	1,57E-07	5,51E-08	4,83E-13	1,13E-04	7,27E-06
	Use	1,81E+01	1,78E+01	1,83E-01	5,88E-02	4,06E-10	3,90E-02	3,81E-05	9,36E-03	1,05E-01	2,32E-02	3,71E-06	3,64E+02	4,47E+00
	End of Life	2,25E-04	1,90E-04	3,35E-05	1,81E-06	3,52E-17	2,88E-07	1,35E-09	1,23E-07	1,24E-06	2,72E-07	1,18E-11	2,28E-03	2,21E-06
	Module D	-8,36E-03	-9,10E-03	8,09E-04	-7,51E-05	-3,94E-14	-6,13E-05	-4,13E-08	-9,78E-06	-1,05E-04	-3,29E-05	-2,28E-06	-1,78E-01	-3,17E-03
1603110000 1605580000	Total*	2,11E+01	2,08E+01	2,13E-01	6,87E-02	4,74E-10	4,57E-02	4,45E-05	1,09E-02	1,23E-01	2,72E-02	8,49E-06	4,25E+02	5,22E+00
	Manufacturing	1,63E-02	1,71E-02	-8,05E-04	3,02E-05	6,97E-13	1,07E-04	3,87E-08	1,05E-05	1,13E-04	3,91E-05	4,17E-06	3,00E-01	3,44E-03
	Distribution	8,03E-04	8,13E-04	-1,80E-05	8,37E-06	1,35E-16	1,53E-06	2,19E-09	6,55E-07	7,00E-06	1,38E-06	5,41E-11	1,04E-02	3,72E-06
	Installation	1,18E-04	8,44E-06	1,10E-04	4,53E-08	1,49E-17	3,80E-08	3,73E-10	1,79E-08	1,57E-07	5,51E-08	4,83E-13	1,13E-04	7,27E-06
	Use	2,11E+01	2,08E+01	2,14E-01	6,86E-02	4,74E-10	4,56E-02	4,45E-05	1,09E-02	1,22E-01	2,71E-02	4,32E-06	4,24E+02	5,21E+00
	End of Life	2,61E-04	2,20E-04	3,89E-05	2,10E-06	4,08E-17	3,34E-07	1,57E-09	1,43E-07	1,44E-06	3,16E-07	1,37E-11	2,65E-03	2,56E-06
	Module D	-9,80E-03	-1,05E-02	8,21E-04	-8,78E-05	-4,56E-14	-7,18E-05	-4,71E-08	-1,14E-05	-1,22E-04	-3,82E-05	-2,67E-06	-2,07E-01	-3,72E-03
1603120000 1605590000	Total*	2,41E+01	2,38E+01	2,44E-01	7,85E-02	5,42E-10	5,22E-02	5,09E-05	1,25E-02	1,40E-01	3,10E-02	9,70E-06	4,85E+02	5,96E+00
	Manufacturing	1,91E-02	1,98E-02	-7,93E-04	3,43E-05	8,00E-13	1,22E-04	4,35E-08	1,21E-05	1,30E-04	4,52E-05	4,76E-06	3,50E-01	3,93E-03
	Distribution	8,97E-04	9,08E-04	-2,01E-05	9,35E-06	1,51E-16	1,71E-06	2,45E-09	7,32E-07	7,82E-06	1,54E-06	6,04E-11	1,16E-02	4,15E-06
	Installation	1,18E-04	8,44E-06	1,10E-04	4,53E-08	1,49E-17	3,80E-08	3,73E-10	1,79E-08	1,57E-07	5,51E-08	4,83E-13	1,13E-04	7,27E-06
	Use	2,41E+01	2,38E+01	2,44E-01	7,85E-02	5,41E-10	5,21E-02	5,08E-05	1,25E-02	1,40E-01	3,10E-02	4,94E-06	4,85E+02	5,96E+00
	End of Life	2,98E-04	2,51E-04	4,43E-05	2,39E-06	4,65E-17	3,81E-07	1,79E-09	1,63E-07	1,64E-06	3,60E-07	1,56E-11	3,02E-03	2,92E-06
	Module D	-1,12E-02	-1,20E-02	8,37E-04	-9,99E-05	-5,18E-14	-8,18E-05	-5,28E-08	-1,29E-05	-1,38E-04	-4,35E-05	-3,06E-06	-2,34E-01	-4,24E-03
1603130000 1605600000	Total*	2,71E+01	2,68E+01	2,74E-01	8,83E-02	6,10E-10	5,87E-02	5,72E-05	1,41E-02	1,58E-01	3,49E-02	1,09E-05	5,46E+02	6,71E+00
	Manufacturing	2,12E-02	2,21E-02	-1,02E-03	3,92E-05	8,97E-13	1,37E-04	4,99E-08	1,36E-05	1,47E-04	5,06E-05	5,36E-06	3,90E-01	4,42E-03
	Distribution	1,03E-03	1,04E-03	-2,30E-05	1,07E-05	1,72E-16	1,95E-06	2,80E-09	8,37E-07	8,94E-06	1,76E-06	6,91E-11	1,33E-02	4,75E-06
	Installation	1,50E-04	1,07E-05	1,39E-04	5,77E-08	1,90E-17	4,83E-08	4,74E-10	2,28E-08	1,99E-07	7,02E-08	6,15E-13	1,44E-04	9,25E-06
	Use	2,71E+01	2,67E+01	2,75E-01	8,83E-02	6,09E-10	5,86E-02	5,72E-05	1,40E-02	1,57E-01	3,49E-02	5,56E-06	5,46E+02	6,70E+00
	End of Life	3,34E-04	2,82E-04	4,97E-05	2,68E-06	5,22E-17	4,27E-07	2,01E-09	1,83E-07	1,84E-06	4,04E-07	1,75E-11	3,39E-03	3,28E-06
	Module D	-1,25E-02	-1,35E-02	1,05E-03	-1,13E-04	-5,83E-14	-9,22E-05	-6,04E-08	-1,46E-05	-1,56E-04	-4,90E-05	-3,44E-06	-2,64E-01	-4,78E-03
1603140000 1605610000	Total*	3,01E+01	2,97E+01	3,05E-01	9,81E-02	6,78E-10	6,52E-02	6,36E-05	1,56E-02	1,75E-01	3,88E-02	1,21E-05	6,07E+02	7,45E+00
	Manufacturing	2,33E-02	2,43E-02	-1,01E-03	4,29E-05	9,95E-13	1,52E-04	5,38E-08	1,49E-05	1,61E-04	5,56E-05	5,95E-06	4,27E-01	4,90E-03
	Distribution	1,12E-03	1,13E-03	-2,51E-05	1,17E-05	1,88E-16	2,13E-06	3,06E-09	9,14E-07	9,76E-06	1,92E-06	7,54E-11	1,45E-02	5,19E-06
	Installation	1,50E-04	1,07E-05	1,39E-04	5,77E-08	1,90E-17	4,83E-08	4,74E-10	2,28E-08	1,99E-07	7,02E-08	6,15E-13	1,44E-04	9,25E-06
	Use	3,01E+01	2,97E+01	3,05E-01	9,81E-02	6,77E-10	6,51E-02	6,35E-05	1,56E-02	1,75E-01	3,87E-02	6,18E-06	6,06E+02	7,45E+00
	End of Life	3,70E-04	3,12E-04	5,51E-05	2,98E-06	5,79E-17	4,74E-07	2,23E-09	2,03E-07	2,04E-06	4,48E-07	1,94E-11	3,75E-03	3,63E-06
	Module D	-1,39E-02	-1,49E-02	1,06E-03	-1,25E-04	-6,45E-14	-1,02E-04	-6,60E-08	-1,61E-05	-1,73E-04	-5,42E-05	-3,82E-06	-2,91E-01	-5,31E-03
1603150000 1605620000	Total*	3,31E+01	3,27E+01	3,35E-01	1,08E-01	7,46E-10	7,18E-02	7,00E-05	1,72E-02	1,93E-01	4,27E-02	1,33E-05	6,67E+02	8,20E+00
	Manufacturing	2,55E-02	2,66E-02	-1,18E-03	4,74E-05	1,09E-12	1,67E-04	5,96E-08	1,64E-05	1,77E-04	6,10E-05	6,55E-06	4,66E-01	5,39E-03
	Distribution	1,25E-03	1,26E-03	-2,79E-05	1,30E-05	2,09E-16	2,37E-06	3,40E-09	1,02E-06	1,09E-05	2,14E-06	8,39E-11	1,62E-02	5,77E-06
	Installation	1,74E-04	1,25E-05	1,62E-04	6,70E-08	2,21E-17	5,61E-08	5,51E-10	2,64E-08	2,32E-07	8,15E-08	7,14E-13	1,68E-04	1,07E-05
	Use	3,31E+01	3,27E+01	3,36E-01	1,08E-01	7,45E-10	7,16E-02	6,99E-05	1,72E-02	1,92E-01	4,26E-02	6,79E-06	6,67E+02	8,19E+00

	End of Life	4,09E-04	3,45E-04	6,08E-05	3,28E-06	6,39E-17	5,23E-07	2,46E-09	2,24E-07	2,25E-06	4,95E-07	2,14E-11	4,14E-03	4,01E-06
	Module D	-1,54E-02	-1,64E-02	1,22E-03	-1,38E-04	-7,12E-14	-1,13E-04	-7,33E-08	-1,78E-05	-1,90E-04	-5,98E-05	-4,20E-06	-3,22E-01	-5,84E-03
1603160000 1605630000	Total*	3,62E+01	3,57E+01	3,66E-01	1,18E-01	8,13E-10	7,83E-02	7,63E-05	1,87E-02	2,10E-01	4,65E-02	1,46E-05	7,28E+02	8,94E+00
	Manufacturing	2,91E-02	3,02E-02	-1,17E-03	5,19E-05	1,20E-12	1,84E-04	6,57E-08	1,83E-05	1,97E-04	6,86E-05	7,14E-06	5,35E-01	5,90E-03
	Distribution	1,33E-03	1,35E-03	-2,99E-05	1,39E-05	2,24E-16	2,54E-06	3,64E-09	1,09E-06	1,16E-05	2,29E-06	8,98E-11	1,73E-02	6,18E-06
	Installation	1,74E-04	1,25E-05	1,62E-04	6,70E-08	2,21E-17	5,61E-08	5,51E-10	2,64E-08	2,32E-07	8,15E-08	7,14E-13	1,68E-04	1,07E-05
	Use	3,61E+01	3,56E+01	3,66E-01	1,18E-01	8,12E-10	7,81E-02	7,62E-05	1,87E-02	2,10E-01	4,65E-02	7,41E-06	7,28E+02	8,94E+00
	End of Life	4,43E-04	3,74E-04	6,59E-05	3,56E-06	6,92E-17	5,67E-07	2,66E-09	2,42E-07	2,44E-06	5,36E-07	2,32E-11	4,49E-03	4,34E-06
	Module D	-1,67E-02	-1,78E-02	1,24E-03	-1,50E-04	-7,72E-14	-1,23E-04	-7,89E-08	-1,93E-05	-2,07E-04	-6,49E-05	-4,59E-06	-3,48E-01	-6,36E-03
1606090000	Total*	3,62E+01	3,57E+01	3,66E-01	1,18E-01	8,13E-10	7,83E-02	7,63E-05	1,87E-02	2,10E-01	4,65E-02	1,44E-05	7,28E+02	8,94E+00
	Manufacturing	3,09E-02	3,18E-02	-9,86E-04	5,19E-05	1,21E-12	1,81E-04	7,57E-08	1,92E-05	2,07E-04	7,01E-05	6,96E-06	5,56E-01	5,67E-03
	Distribution	1,33E-03	1,35E-03	-2,99E-05	1,39E-05	2,24E-16	2,54E-06	3,64E-09	1,09E-06	1,16E-05	2,29E-06	8,98E-11	1,73E-02	6,18E-06
	Installation	1,74E-04	1,25E-05	1,62E-04	6,70E-08	2,21E-17	5,61E-08	5,51E-10	2,64E-08	2,32E-07	8,15E-08	7,14E-13	1,68E-04	1,07E-05
	Use	3,61E+01	3,56E+01	3,66E-01	1,18E-01	8,12E-10	7,81E-02	7,62E-05	1,87E-02	2,10E-01	4,65E-02	7,41E-06	7,28E+02	8,94E+00
	End of Life	4,43E-04	3,74E-04	6,59E-05	3,56E-06	6,92E-17	5,67E-07	2,66E-09	2,42E-07	2,44E-06	5,36E-07	2,32E-11	4,49E-03	4,34E-06
	Module D	-1,67E-02	-1,77E-02	1,24E-03	-1,49E-04	-7,72E-14	-1,22E-04	-7,85E-08	-1,91E-05	-2,06E-04	-6,46E-05	-4,55E-06	-3,48E-01	-6,32E-03
1603170000 1605640000	Total*	3,92E+01	3,87E+01	3,96E-01	1,28E-01	8,81E-10	8,48E-02	8,27E-05	2,03E-02	2,28E-01	5,04E-02	1,58E-05	7,89E+02	9,69E+00
	Manufacturing	3,14E-02	3,25E-02	-1,16E-03	5,57E-05	1,30E-12	1,99E-04	6,99E-08	1,96E-05	2,12E-04	7,38E-05	7,74E-06	5,75E-01	6,38E-03
	Distribution	1,43E-03	1,45E-03	-3,21E-05	1,49E-05	2,40E-16	2,72E-06	3,90E-09	1,17E-06	1,25E-05	2,45E-06	9,63E-11	1,86E-02	6,62E-06
	Installation	1,74E-04	1,25E-05	1,62E-04	6,70E-08	2,21E-17	5,61E-08	5,51E-10	2,64E-08	2,32E-07	8,15E-08	7,14E-13	1,68E-04	1,07E-05
	Use	3,91E+01	3,86E+01	3,97E-01	1,27E-01	8,80E-10	8,46E-02	8,26E-05	2,03E-02	2,27E-01	5,03E-02	8,03E-06	7,88E+02	9,68E+00
	End of Life	4,80E-04	4,05E-04	7,14E-05	3,86E-06	7,51E-17	6,15E-07	2,89E-09	2,63E-07	2,65E-06	5,81E-07	2,51E-11	4,87E-03	4,71E-06
	Module D	-1,82E-02	-1,93E-02	1,26E-03	-1,62E-04	-8,35E-14	-1,33E-04	-8,46E-08	-2,08E-05	-2,23E-04	-7,02E-05	-4,97E-06	-3,77E-01	-6,89E-03
1603180000 1605650000	Total*	4,22E+01	4,16E+01	4,26E-01	1,37E-01	9,49E-10	9,13E-02	8,90E-05	2,19E-02	2,45E-01	5,43E-02	1,70E-05	8,49E+02	1,04E+01
	Manufacturing	3,35E-02	3,48E-02	-1,29E-03	5,96E-05	1,40E-12	2,14E-04	7,53E-08	2,11E-05	2,28E-04	7,92E-05	8,33E-06	6,15E-01	6,87E-03
	Distribution	1,55E-03	1,56E-03	-3,46E-05	1,61E-05	2,60E-16	2,94E-06	4,22E-09	1,26E-06	1,35E-05	2,65E-06	1,04E-10	2,01E-02	7,16E-06
	Installation	1,94E-04	1,39E-05	1,80E-04	7,44E-08	2,45E-17	6,23E-08	6,12E-10	2,94E-08	2,57E-07	9,06E-08	7,93E-13	1,86E-04	1,19E-05
	Use	4,22E+01	4,16E+01	4,28E-01	1,37E-01	9,48E-10	9,11E-02	8,89E-05	2,18E-02	2,45E-01	5,42E-02	8,65E-06	8,49E+02	1,04E+01
	End of Life	5,17E-04	4,36E-04	7,68E-05	4,15E-06	8,07E-17	6,61E-07	3,10E-09	2,83E-07	2,85E-06	6,25E-07	2,70E-11	5,24E-03	5,07E-06
	Module D	-1,95E-02	-2,07E-02	1,39E-03	-1,74E-04	-8,99E-14	-1,43E-04	-9,14E-08	-2,24E-05	-2,41E-04	-7,56E-05	-5,35E-06	-4,06E-01	-7,42E-03
1603190000 1605660000	Total*	4,52E+01	4,46E+01	4,57E-01	1,47E-01	1,02E-09	9,78E-02	9,54E-05	2,34E-02	2,63E-01	5,82E-02	1,82E-05	9,10E+02	1,12E+01
	Manufacturing	3,57E-02	3,70E-02	-1,28E-03	6,34E-05	1,50E-12	2,29E-04	7,93E-08	2,24E-05	2,42E-04	8,42E-05	8,93E-06	6,53E-01	7,35E-03
	Distribution	1,64E-03	1,66E-03	-3,68E-05	1,71E-05	2,75E-16	3,12E-06	4,47E-09	1,34E-06	1,43E-05	2,81E-06	1,10E-10	2,13E-02	7,59E-06
	Installation	1,94E-04	1,39E-05	1,80E-04	7,44E-08	2,45E-17	6,23E-08	6,12E-10	2,94E-08	2,57E-07	9,06E-08	7,93E-13	1,86E-04	1,19E-05
	Use	4,52E+01	4,46E+01	4,58E-01	1,47E-01	1,02E-09	9,76E-02	9,53E-05	2,34E-02	2,62E-01	5,81E-02	9,26E-06	9,09E+02	1,12E+01
	End of Life	5,53E-04	4,66E-04	8,22E-05	4,44E-06	8,64E-17	7,08E-07	3,32E-09	3,03E-07	3,05E-06	6,69E-07	2,89E-11	5,61E-03	5,42E-06
	Module D	-2,09E-02	-2,21E-02	1,40E-03	-1,87E-04	-9,61E-14	-1,53E-04	-9,70E-08	-2,39E-05	-2,57E-04	-8,08E-05	-5,73E-06	-4,34E-01	-7,94E-03
1603200000	Total*	4,82E+01	4,76E+01	4,88E-01	1,57E-01	1,08E-09	1,04E-01	1,02E-04	2,50E-02	2,80E-01	6,21E-02	1,94E-05	9,71E+02	1,19E+01

1605670000	Manufacturing	3,80E-02	3,92E-02	-1,27E-03	6,71E-05	1,60E-12	2,44E-04	8,33E-08	2,38E-05	2,57E-04	8,94E-05	9,53E-06	6,92E-01	7,83E-03
	Distribution	1,74E-03	1,76E-03	-3,89E-05	1,81E-05	2,92E-16	3,30E-06	4,74E-09	1,42E-06	1,51E-05	2,98E-06	1,17E-10	2,25E-02	8,04E-06
	Installation	1,94E-04	1,39E-05	1,80E-04	7,44E-08	2,45E-17	6,23E-08	6,12E-10	2,94E-08	2,57E-07	9,06E-08	7,93E-13	1,86E-04	1,19E-05
	Use	4,82E+01	4,75E+01	4,89E-01	1,57E-01	1,08E-09	1,04E-01	1,02E-04	2,50E-02	2,80E-01	6,20E-02	9,88E-06	9,70E+02	1,19E+01
	End of Life	5,90E-04	4,98E-04	8,78E-05	4,74E-06	9,23E-17	7,55E-07	3,55E-09	3,23E-07	3,25E-06	7,15E-07	3,09E-11	5,98E-03	5,79E-06
	Module D	-2,24E-02	-2,36E-02	1,41E-03	-1,99E-04	-1,02E-13	-1,63E-04	-1,03E-07	-2,55E-05	-2,74E-04	-8,61E-05	-6,11E-06	-4,62E-01	-8,47E-03
1603210000 1605680000	Total*	5,12E+01	5,05E+01	5,17E-01	1,67E-01	1,15E-09	1,11E-01	1,08E-04	2,66E-02	2,98E-01	6,59E-02	2,06E-05	1,03E+03	1,27E+01
	Manufacturing	3,96E-02	4,21E-02	-2,53E-03	7,67E-05	1,70E-12	2,61E-04	1,00E-07	2,62E-05	2,82E-04	9,65E-05	1,01E-05	7,39E-01	8,40E-03
	Distribution	2,01E-03	2,04E-03	-4,51E-05	2,10E-05	3,38E-16	3,83E-06	5,49E-09	1,64E-06	1,75E-05	3,45E-06	1,36E-10	2,61E-02	9,32E-06
	Installation	3,63E-04	2,60E-05	3,37E-04	1,40E-07	4,60E-17	1,17E-07	1,15E-09	5,51E-08	4,83E-07	1,70E-07	1,49E-12	3,49E-04	2,24E-05
	Use	5,12E+01	5,05E+01	5,19E-01	1,67E-01	1,15E-09	1,11E-01	1,08E-04	2,65E-02	2,97E-01	6,58E-02	1,05E-05	1,03E+03	1,27E+01
	End of Life	6,27E-04	5,29E-04	9,32E-05	5,04E-06	9,79E-17	8,02E-07	3,77E-09	3,43E-07	3,45E-06	7,58E-07	3,28E-11	6,35E-03	6,15E-06
	Module D	-2,33E-02	-2,55E-02	2,48E-03	-2,15E-04	-1,11E-13	-1,75E-04	-1,19E-07	-2,79E-05	-2,98E-04	-9,30E-05	-6,50E-06	-4,98E-01	-9,06E-03
1603220000 1605690000	Total*	5,42E+01	5,35E+01	5,48E-01	1,77E-01	1,22E-09	1,17E-01	1,14E-04	2,81E-02	3,15E-01	6,98E-02	2,18E-05	1,09E+03	1,34E+01
	Manufacturing	4,18E-02	4,42E-02	-2,52E-03	8,04E-05	1,79E-12	2,75E-04	1,04E-07	2,75E-05	2,96E-04	1,01E-04	1,07E-05	7,76E-01	8,87E-03
	Distribution	2,10E-03	2,13E-03	-4,72E-05	2,19E-05	3,54E-16	4,01E-06	5,74E-09	1,72E-06	1,83E-05	3,61E-06	1,42E-10	2,73E-02	9,74E-06
	Installation	3,63E-04	2,60E-05	3,37E-04	1,40E-07	4,60E-17	1,17E-07	1,15E-09	5,51E-08	4,83E-07	1,70E-07	1,49E-12	3,49E-04	2,24E-05
	Use	5,42E+01	5,35E+01	5,50E-01	1,77E-01	1,22E-09	1,17E-01	1,14E-04	2,81E-02	3,15E-01	6,97E-02	1,11E-05	1,09E+03	1,34E+01
	End of Life	6,62E-04	5,58E-04	9,84E-05	5,32E-06	1,03E-16	8,47E-07	3,98E-09	3,62E-07	3,65E-06	8,01E-07	3,46E-11	6,71E-03	6,49E-06
	Module D	-2,47E-02	-2,69E-02	2,49E-03	-2,27E-04	-1,17E-13	-1,85E-04	-1,25E-07	-2,94E-05	-3,15E-04	-9,82E-05	-6,88E-06	-5,25E-01	-9,59E-03
1603230000 1605700000	Total*	5,73E+01	5,65E+01	5,78E-01	1,86E-01	1,29E-09	1,24E-01	1,21E-04	2,97E-02	3,33E-01	7,37E-02	2,30E-05	1,15E+03	1,42E+01
	Manufacturing	4,40E-02	4,64E-02	-2,51E-03	8,42E-05	1,89E-12	2,90E-04	1,08E-07	2,88E-05	3,10E-04	1,07E-04	1,13E-05	8,14E-01	9,35E-03
	Distribution	2,20E-03	2,23E-03	-4,93E-05	2,29E-05	3,70E-16	4,19E-06	6,01E-09	1,80E-06	1,92E-05	3,77E-06	1,48E-10	2,86E-02	1,02E-05
	Installation	3,63E-04	2,60E-05	3,37E-04	1,40E-07	4,60E-17	1,17E-07	1,15E-09	5,51E-08	4,83E-07	1,70E-07	1,49E-12	3,49E-04	2,24E-05
	Use	5,72E+01	5,64E+01	5,80E-01	1,86E-01	1,29E-09	1,24E-01	1,21E-04	2,97E-02	3,32E-01	7,36E-02	1,17E-05	1,15E+03	1,42E+01
	End of Life	6,99E-04	5,90E-04	1,04E-04	5,62E-06	1,09E-16	8,95E-07	4,20E-09	3,83E-07	3,85E-06	8,46E-07	3,66E-11	7,09E-03	6,86E-06
	Module D	-2,61E-02	-2,84E-02	2,50E-03	-2,39E-04	-1,23E-13	-1,95E-04	-1,30E-07	-3,09E-05	-3,31E-04	-1,03E-04	-7,26E-06	-5,53E-01	-1,01E-02
1603240000 1605710000	Total*	6,03E+01	5,95E+01	6,09E-01	1,96E-01	1,36E-09	1,30E-01	1,27E-04	3,12E-02	3,50E-01	7,76E-02	2,43E-05	1,21E+03	1,49E+01
	Manufacturing	4,61E-02	4,86E-02	-2,59E-03	8,81E-05	1,99E-12	3,05E-04	1,13E-07	3,02E-05	3,25E-04	1,12E-04	1,19E-05	8,51E-01	9,83E-03
	Distribution	2,31E-03	2,34E-03	-5,17E-05	2,41E-05	3,88E-16	4,39E-06	6,30E-09	1,88E-06	2,01E-05	3,96E-06	1,55E-10	2,99E-02	1,07E-05
	Installation	3,75E-04	2,69E-05	3,48E-04	1,44E-07	4,76E-17	1,21E-07	1,19E-09	5,69E-08	4,99E-07	1,75E-07	1,54E-12	3,61E-04	2,31E-05
	Use	6,02E+01	5,94E+01	6,11E-01	1,96E-01	1,35E-09	1,30E-01	1,27E-04	3,12E-02	3,50E-01	7,75E-02	1,24E-05	1,21E+03	1,49E+01
	End of Life	7,36E-04	6,20E-04	1,09E-04	5,91E-06	1,15E-16	9,41E-07	4,42E-09	4,02E-07	4,05E-06	8,90E-07	3,85E-11	7,46E-03	7,21E-06
	Module D	-2,75E-02	-2,98E-02	2,58E-03	-2,52E-04	-1,29E-13	-2,05E-04	-1,37E-07	-3,25E-05	-3,48E-04	-1,09E-04	-7,64E-06	-5,82E-01	-1,06E-02
1603250000 1605720000	Total*	6,33E+01	6,24E+01	6,39E-01	2,06E-01	1,42E-09	1,37E-01	1,34E-04	3,28E-02	3,68E-01	8,15E-02	2,55E-05	1,27E+03	1,57E+01
	Manufacturing	4,83E-02	5,07E-02	-2,58E-03	9,18E-05	2,09E-12	3,20E-04	1,17E-07	3,15E-05	3,39E-04	1,17E-04	1,25E-05	8,88E-01	1,03E-02
	Distribution	2,40E-03	2,43E-03	-5,38E-05	2,50E-05	4,04E-16	4,57E-06	6,56E-09	1,96E-06	2,09E-05	4,12E-06	1,62E-10	3,12E-02	1,11E-05
	Installation	3,75E-04	2,69E-05	3,48E-04	1,44E-07	4,76E-17	1,21E-07	1,19E-09	5,69E-08	4,99E-07	1,75E-07	1,54E-12	3,61E-04	2,31E-05

	Use	6,32E+01	6,24E+01	6,41E-01	2,06E-01	1,42E-09	1,37E-01	1,33E-04	3,28E-02	3,67E-01	8,13E-02	1,30E-05	1,27E+03	1,56E+01
	End of Life	7,72E-04	6,51E-04	1,15E-04	6,20E-06	1,21E-16	9,88E-07	4,64E-09	4,22E-07	4,25E-06	9,34E-07	4,04E-11	7,83E-03	7,57E-06
	Module D	-2,89E-02	-3,12E-02	2,60E-03	-2,64E-04	-1,35E-13	-2,15E-04	-1,42E-07	-3,40E-05	-3,64E-04	-1,14E-04	-8,02E-06	-6,09E-01	-1,12E-02
1603260000 1605730000	Total*	6,63E+01	6,54E+01	6,70E-01	2,16E-01	1,49E-09	1,44E-01	1,40E-04	3,44E-02	3,85E-01	8,53E-02	2,67E-05	1,33E+03	1,64E+01
	Manufacturing	5,04E-02	5,29E-02	-2,56E-03	9,55E-05	2,18E-12	3,34E-04	1,21E-07	3,28E-05	3,53E-04	1,22E-04	1,31E-05	9,25E-01	1,08E-02
	Distribution	2,50E-03	2,53E-03	-5,60E-05	2,60E-05	4,20E-16	4,76E-06	6,82E-09	2,04E-06	2,18E-05	4,28E-06	1,68E-10	3,24E-02	1,16E-05
	Installation	3,75E-04	2,69E-05	3,48E-04	1,44E-07	4,76E-17	1,21E-07	1,19E-09	5,69E-08	4,99E-07	1,75E-07	1,54E-12	3,61E-04	2,31E-05
	Use	6,62E+01	6,54E+01	6,72E-01	2,16E-01	1,49E-09	1,43E-01	1,40E-04	3,43E-02	3,85E-01	8,52E-02	1,36E-05	1,33E+03	1,64E+01
	End of Life	8,09E-04	6,83E-04	1,20E-04	6,50E-06	1,26E-16	1,04E-06	4,86E-09	4,43E-07	4,46E-06	9,80E-07	4,23E-11	8,20E-03	7,94E-06
	Module D	-3,04E-02	-3,27E-02	2,61E-03	-2,76E-04	-1,42E-13	-2,25E-04	-1,48E-07	-3,55E-05	-3,81E-04	-1,19E-04	-8,41E-06	-6,38E-01	-1,17E-02
1603270000 1605740000	Total*	6,93E+01	6,84E+01	7,00E-01	2,26E-01	1,56E-09	1,50E-01	1,46E-04	3,59E-02	4,03E-01	8,92E-02	2,79E-05	1,40E+03	1,71E+01
	Manufacturing	5,26E-02	5,50E-02	-2,55E-03	9,92E-05	2,28E-12	3,49E-04	1,24E-07	3,41E-05	3,67E-04	1,26E-04	1,37E-05	9,61E-01	1,13E-02
	Distribution	2,59E-03	2,62E-03	-5,81E-05	2,70E-05	4,36E-16	4,93E-06	7,08E-09	2,11E-06	2,26E-05	4,45E-06	1,75E-10	3,36E-02	1,20E-05
	Installation	3,75E-04	2,69E-05	3,48E-04	1,44E-07	4,76E-17	1,21E-07	1,19E-09	5,69E-08	4,99E-07	1,75E-07	1,54E-12	3,61E-04	2,31E-05
	Use	6,93E+01	6,83E+01	7,02E-01	2,26E-01	1,56E-09	1,50E-01	1,46E-04	3,59E-02	4,02E-01	8,91E-02	1,42E-05	1,39E+03	1,71E+01
	End of Life	8,46E-04	7,13E-04	1,26E-04	6,80E-06	1,32E-16	1,08E-06	5,08E-09	4,63E-07	4,66E-06	1,02E-06	4,42E-11	8,57E-03	8,29E-06
	Module D	-3,18E-02	-3,41E-02	2,62E-03	-2,88E-04	-1,48E-13	-2,35E-04	-1,53E-07	-3,71E-05	-3,97E-04	-1,25E-04	-8,79E-06	-6,66E-01	-1,22E-02
1603280000 1605750000	Total*	7,23E+01	7,14E+01	7,31E-01	2,35E-01	1,63E-09	1,57E-01	1,53E-04	3,75E-02	4,20E-01	9,31E-02	2,91E-05	1,46E+03	1,79E+01
	Manufacturing	5,47E-02	5,71E-02	-2,54E-03	1,03E-04	2,38E-12	3,64E-04	1,28E-07	3,53E-05	3,81E-04	1,31E-04	1,43E-05	9,97E-01	1,17E-02
	Distribution	2,69E-03	2,72E-03	-6,02E-05	2,80E-05	4,51E-16	5,11E-06	7,33E-09	2,19E-06	2,34E-05	4,61E-06	1,81E-10	3,49E-02	1,24E-05
	Installation	3,75E-04	2,69E-05	3,48E-04	1,44E-07	4,76E-17	1,21E-07	1,19E-09	5,69E-08	4,99E-07	1,75E-07	1,54E-12	3,61E-04	2,31E-05
	Use	7,23E+01	7,13E+01	7,33E-01	2,35E-01	1,62E-09	1,56E-01	1,52E-04	3,75E-02	4,20E-01	9,30E-02	1,48E-05	1,46E+03	1,79E+01
	End of Life	8,82E-04	7,44E-04	1,31E-04	7,09E-06	1,38E-16	1,13E-06	5,30E-09	4,83E-07	4,86E-06	1,07E-06	4,61E-11	8,94E-03	8,65E-06
	Module D	-3,32E-02	-3,55E-02	2,63E-03	-3,00E-04	-1,54E-13	-2,45E-04	-1,59E-07	-3,86E-05	-4,14E-04	-1,30E-04	-9,17E-06	-6,94E-01	-1,27E-02
1324100000	Total*	1,21E+01	1,19E+01	1,22E-01	3,93E-02	2,71E-10	2,62E-02	2,56E-05	6,27E-03	7,03E-02	1,56E-02	4,25E-06	2,43E+02	2,99E+00
	Manufacturing	5,25E-02	5,29E-02	-4,04E-04	3,85E-05	7,32E-13	1,20E-04	2,17E-07	2,97E-05	3,16E-04	8,91E-05	1,78E-06	8,18E-01	6,16E-03
	Distribution	1,53E-03	1,55E-03	-3,42E-05	1,59E-05	2,57E-16	2,91E-06	4,17E-09	1,25E-06	1,33E-05	2,62E-06	1,03E-10	1,98E-02	7,07E-06
	Installation	8,77E-04	5,93E-04	2,84E-04	2,18E-07	1,74E-16	2,03E-07	3,28E-09	7,48E-08	8,30E-07	2,24E-07	3,17E-12	6,74E-04	7,27E-05
	Use	1,20E+01	1,19E+01	1,22E-01	3,92E-02	2,71E-10	2,60E-02	2,54E-05	6,24E-03	7,00E-02	1,55E-02	2,47E-06	2,43E+02	2,98E+00
	End of Life	4,02E-04	3,39E-04	5,97E-05	3,23E-06	6,28E-17	5,14E-07	2,41E-09	2,20E-07	2,21E-06	4,86E-07	2,10E-11	4,07E-03	3,94E-06
	Module D	-2,26E-02	-2,45E-02	1,97E-03	-7,16E-05	-6,81E-14	-8,89E-05	-8,64E-08	-1,70E-05	-1,78E-04	-5,81E-05	-1,96E-06	-4,22E-01	-5,15E-03
1597840000	Total*	3,02E+01	2,98E+01	3,04E-01	9,82E-02	6,78E-10	6,54E-02	6,37E-05	1,56E-02	1,75E-01	3,89E-02	1,51E-05	6,07E+02	7,46E+00
	Manufacturing	5,78E-02	5,98E-02	-2,14E-03	7,94E-05	1,62E-12	2,68E-04	1,26E-07	3,35E-05	3,61E-04	1,28E-04	8,88E-06	1,16E+00	7,93E-03
	Distribution	3,05E-03	3,09E-03	-6,85E-05	3,18E-05	5,13E-16	5,81E-06	8,33E-09	2,49E-06	2,66E-05	5,24E-06	2,06E-10	3,96E-02	1,41E-05
	Installation	3,33E-04	2,39E-05	3,09E-04	1,28E-07	4,22E-17	1,07E-07	1,05E-09	5,05E-08	4,43E-07	1,56E-07	1,36E-12	3,21E-04	2,05E-05
	Use	3,01E+01	2,97E+01	3,05E-01	9,81E-02	6,77E-10	6,51E-02	6,35E-05	1,56E-02	1,75E-01	3,87E-02	6,18E-06	6,06E+02	7,45E+00
	End of Life	1,04E-03	8,78E-04	1,55E-04	8,37E-06	1,63E-16	1,33E-06	6,26E-09	5,70E-07	5,74E-06	1,26E-06	5,45E-11	1,06E-02	1,02E-05
	Module D	-3,78E-02	-3,99E-02	2,26E-03	-1,47E-04	-1,55E-13	-1,41E-04	-1,09E-07	-2,74E-05	-2,94E-04	-1,07E-04	-4,19E-06	-9,06E-01	-6,34E-03

1597760000	Total*	6,05E+00	5,97E+00	6,02E-02	1,97E-02	1,36E-10	1,31E-02	1,28E-05	3,14E-03	3,52E-02	7,81E-03	3,01E-06	1,22E+02	1,49E+00
	Manufacturing	2,89E-02	2,99E-02	-1,10E-03	2,99E-05	4,16E-13	8,65E-05	5,83E-08	1,53E-05	1,64E-04	6,07E-05	1,78E-06	6,33E-01	2,14E-03
	Distribution	1,71E-03	1,73E-03	-3,84E-05	1,78E-05	2,87E-16	3,26E-06	4,67E-09	1,40E-06	1,49E-05	2,93E-06	1,15E-10	2,22E-02	7,92E-06
	Installation	1,63E-04	1,17E-05	1,51E-04	6,26E-08	2,06E-17	5,24E-08	5,15E-10	2,47E-08	2,16E-07	7,62E-08	6,67E-13	1,57E-04	1,00E-05
	Use	6,02E+00	5,94E+00	6,11E-02	1,96E-02	1,35E-10	1,30E-02	1,27E-05	3,12E-03	3,50E-02	7,75E-03	1,24E-06	1,21E+02	1,49E+00
	End of Life	5,93E-04	5,00E-04	8,82E-05	4,77E-06	9,27E-17	7,59E-07	3,57E-09	3,25E-07	3,27E-06	7,18E-07	3,10E-11	6,01E-03	5,82E-06
	Module D	-2,20E-02	-2,30E-02	1,08E-03	-3,57E-05	-8,47E-14	-4,70E-05	-4,47E-08	-1,16E-05	-1,25E-04	-5,20E-05	-8,38E-07	-5,55E-01	-1,60E-03
1597770000	Total*	9,07E+00	8,95E+00	9,10E-02	2,95E-02	2,04E-10	1,96E-02	1,91E-05	4,70E-03	5,27E-02	1,17E-02	4,52E-06	1,83E+02	2,24E+00
	Manufacturing	3,17E-02	3,24E-02	-7,95E-04	3,33E-05	5,56E-13	1,07E-04	6,08E-08	1,67E-05	1,81E-04	6,66E-05	2,66E-06	6,72E-01	2,81E-03
	Distribution	1,78E-03	1,80E-03	-3,99E-05	1,86E-05	2,99E-16	3,39E-06	4,86E-09	1,45E-06	1,55E-05	3,05E-06	1,20E-10	2,31E-02	8,24E-06
	Installation	1,26E-04	9,01E-06	1,17E-04	4,84E-08	1,60E-17	4,05E-08	3,98E-10	1,91E-08	1,67E-07	5,89E-08	5,16E-13	1,21E-04	7,76E-06
	Use	9,03E+00	8,91E+00	9,16E-02	2,94E-02	2,03E-10	1,95E-02	1,91E-05	4,68E-03	5,25E-02	1,16E-02	1,85E-06	1,82E+02	2,23E+00
	End of Life	6,36E-04	5,36E-04	9,45E-05	5,11E-06	9,94E-17	8,13E-07	3,82E-09	3,48E-07	3,50E-06	7,69E-07	3,33E-11	6,44E-03	6,23E-06
	Module D	-2,36E-02	-2,44E-02	8,64E-04	-4,81E-05	-9,11E-14	-5,75E-05	-4,86E-08	-1,31E-05	-1,42E-04	-5,74E-05	-1,26E-06	-5,84E-01	-2,16E-03
1597780000	Total*	1,21E+01	1,19E+01	1,21E-01	3,93E-02	2,71E-10	2,62E-02	2,55E-05	6,26E-03	7,02E-02	1,56E-02	6,02E-06	2,43E+02	2,98E+00
	Manufacturing	3,40E-02	3,53E-02	-1,39E-03	4,11E-05	6,97E-13	1,29E-04	7,23E-08	1,90E-05	2,04E-04	7,37E-05	3,55E-06	7,16E-01	3,54E-03
	Distribution	2,00E-03	2,02E-03	-4,47E-05	2,08E-05	3,35E-16	3,80E-06	5,45E-09	1,63E-06	1,74E-05	3,42E-06	1,34E-10	2,59E-02	9,24E-06
	Installation	2,09E-04	1,49E-05	1,94E-04	8,02E-08	2,64E-17	6,72E-08	6,60E-10	3,17E-08	2,77E-07	9,76E-08	8,55E-13	2,01E-04	1,29E-05
	Use	1,20E+01	1,19E+01	1,22E-01	3,92E-02	2,71E-10	2,60E-02	2,54E-05	6,24E-03	7,00E-02	1,55E-02	2,47E-06	2,43E+02	2,98E+00
	End of Life	6,84E-04	5,77E-04	1,02E-04	5,50E-06	1,07E-16	8,75E-07	4,11E-09	3,74E-07	3,77E-06	8,28E-07	3,58E-11	6,94E-03	6,71E-06
	Module D	-2,51E-02	-2,64E-02	1,39E-03	-6,33E-05	-9,96E-14	-6,96E-05	-6,01E-08	-1,53E-05	-1,64E-04	-6,43E-05	-1,68E-06	-6,24E-01	-2,77E-03
1597800000	Total*	1,81E+01	1,79E+01	1,81E-01	5,89E-02	4,07E-10	3,92E-02	3,82E-05	9,39E-03	1,05E-01	2,33E-02	9,03E-06	3,65E+02	4,47E+00
	Manufacturing	4,29E-02	4,50E-02	-2,24E-03	5,63E-05	1,02E-12	1,78E-04	9,84E-08	2,48E-05	2,67E-04	9,52E-05	5,33E-06	8,95E-01	5,08E-03
	Distribution	2,45E-03	2,48E-03	-5,50E-05	2,55E-05	4,12E-16	4,67E-06	6,69E-09	2,00E-06	2,14E-05	4,20E-06	1,65E-10	3,18E-02	1,13E-05
	Installation	3,32E-04	2,37E-05	3,08E-04	1,27E-07	4,20E-17	1,07E-07	1,05E-09	5,03E-08	4,41E-07	1,55E-07	1,36E-12	3,19E-04	2,04E-05
	Use	1,81E+01	1,78E+01	1,83E-01	5,88E-02	4,06E-10	3,90E-02	3,81E-05	9,36E-03	1,05E-01	2,32E-02	3,71E-06	3,64E+02	4,47E+00
	End of Life	8,09E-04	6,83E-04	1,20E-04	6,50E-06	1,26E-16	1,04E-06	4,86E-09	4,43E-07	4,46E-06	9,80E-07	4,23E-11	8,20E-03	7,94E-06
	Module D	-2,93E-02	-3,14E-02	2,19E-03	-9,32E-05	-1,20E-13	-9,47E-05	-8,19E-08	-1,98E-05	-2,13E-04	-8,00E-05	-2,51E-06	-7,27E-01	-4,00E-03
1597820000	Total*	2,41E+01	2,38E+01	2,43E-01	7,86E-02	5,43E-10	5,23E-02	5,10E-05	1,25E-02	1,40E-01	3,11E-02	1,20E-05	4,86E+02	5,96E+00
	Manufacturing	5,01E-02	5,21E-02	-2,05E-03	6,66E-05	1,31E-12	2,23E-04	1,10E-07	2,89E-05	3,12E-04	1,11E-04	7,10E-06	1,02E+00	6,49E-03
	Distribution	2,73E-03	2,77E-03	-6,13E-05	2,85E-05	4,59E-16	5,20E-06	7,46E-09	2,23E-06	2,38E-05	4,69E-06	1,84E-10	3,55E-02	1,27E-05
	Installation	3,13E-04	2,24E-05	2,90E-04	1,20E-07	3,96E-17	1,01E-07	9,88E-10	4,74E-08	4,15E-07	1,46E-07	1,28E-12	3,01E-04	1,93E-05
	Use	2,41E+01	2,38E+01	2,44E-01	7,85E-02	5,41E-10	5,21E-02	5,08E-05	1,25E-02	1,40E-01	3,10E-02	4,94E-06	4,85E+02	5,96E+00
	End of Life	9,26E-04	7,81E-04	1,38E-04	7,44E-06	1,45E-16	1,19E-06	5,57E-09	5,07E-07	5,10E-06	1,12E-06	4,85E-11	9,39E-03	9,08E-06
	Module D	-3,36E-02	-3,56E-02	2,10E-03	-1,20E-04	-1,37E-13	-1,18E-04	-9,44E-08	-2,35E-05	-2,53E-04	-9,35E-05	-3,35E-06	-8,17E-01	-5,16E-03
1597830000	Total*	2,72E+01	2,68E+01	2,73E-01	8,84E-02	6,11E-10	5,88E-02	5,73E-05	1,41E-02	1,58E-01	3,50E-02	1,35E-05	5,47E+02	6,71E+00
	Manufacturing	5,36E-02	5,54E-02	-1,87E-03	7,12E-05	1,46E-12	2,45E-04	1,15E-07	3,08E-05	3,32E-04	1,18E-04	7,99E-06	1,07E+00	7,18E-03
	Distribution	2,86E-03	2,90E-03	-6,42E-05	2,98E-05	4,81E-16	5,45E-06	7,81E-09	2,34E-06	2,50E-05	4,91E-06	1,93E-10	3,71E-02	1,33E-05

	Installation	2,92E-04	2,09E-05	2,71E-04	1,12E-07	3,70E-17	9,40E-08	9,23E-10	4,43E-08	3,88E-07	1,37E-07	1,20E-12	2,81E-04	1,80E-05
	Use	2,71E+01	2,67E+01	2,75E-01	8,83E-02	6,09E-10	5,86E-02	5,72E-05	1,40E-02	1,57E-01	3,49E-02	5,56E-06	5,46E+02	6,70E+00
	End of Life	9,85E-04	8,31E-04	1,46E-04	7,91E-06	1,54E-16	1,26E-06	5,92E-09	5,39E-07	5,42E-06	1,19E-06	5,15E-11	9,98E-03	9,66E-06
	Module D	-3,58E-02	-3,77E-02	1,99E-03	-1,33E-04	-1,46E-13	-1,29E-04	-9,99E-08	-2,53E-05	-2,72E-04	-1,00E-04	-3,77E-06	-8,61E-01	-5,74E-03

Please obtain the units from the table of the reference article.

*In accordance with the current Product Category Rules (PCR), the values presented in the 'Total' column do not include the benefits and loads beyond the system boundaries as represented in 'Module D'.

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