Environmental Product Declaration

End brackets - TS 35 W-Series

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Germany

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General data

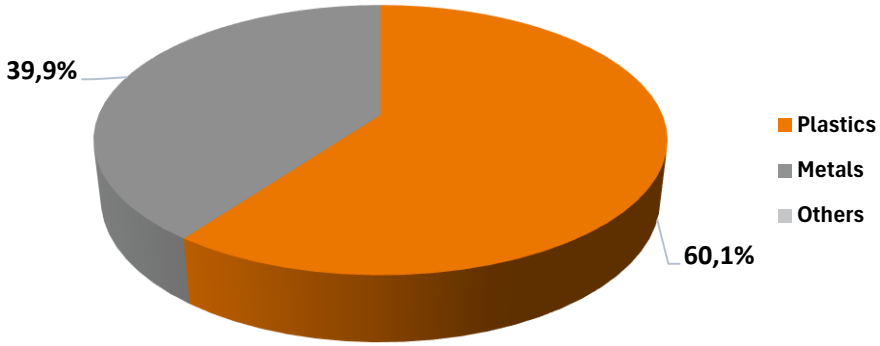
Reference product	1061200000 WEW 35/2
Description of the product	The Weidmüller TS 35 W-Series contains end brackets that guarantee a permanent mounting on the terminal rail by a reliable screw connection and prevent sliding of adjacent components. The end brackets include marking options for single and group markers as well as a test plug holder.
Functional unit	To ensure a permanently secure fit on the mounting rail and prevent slippage over the 20-year reference service life of the product.

Other products covered

1059000000	1061210000	1067600000	1067660000	1162600000
1227890000	1478990000	1479000000	1859200000	3112290000
3173560000				

Constituent Materials

The total weight of the reference product is 14,04 g (including packaging material). The constituent materials are distributed as follows:



Categorisation according to the material classes of IEC 62474:

Plastics			**Metals**			**Other**	
M-258	Polyamide (PA)	58 %	M-119	Other ferrous alloys, non-stainless steels	39,9 %		
M-201	Polyethylene (PE)	2,1 %					
Plastics in total		**60,1 %**	**Metals in total**		**39,9 %**	**Others in total**	**0 %**

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/1061200000

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. Transport packaging, used in addition to product packaging when required for delivery, is excluded from the system boundaries.
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.
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 years			
Product category	End brackets			
Installation elements	No special installation elements required.			
Use scenario	No energy is consumed during the products reference service lifetime.			
Geographical representativeness	Europe			
Software	Sphera LCA for Experts, v10.9			
Database	Sphera MLC Databases 2024.2			
Energy model	**Manufacture***	**Installation**	**Use**	**End of Life**
	Germany	-	-	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.	2,66E-01	2,51E-01	5,74E-03	7,15E-03	0,00E+00	1,37E-03	-1,01E-01
Climate change - fossil	kg CO_2 eq.	2,55E-01	2,41E-01	5,81E-03	7,15E-03	0,00E+00	1,15E-03	-1,01E-01
Climate change - biogenic	kg CO_2 eq.	9,83E-03	9,76E-03	-1,29E-04	-1,11E-06	0,00E+00	2,03E-04	3,38E-04
Climate change - land use and land use change	kg CO_2 eq.	2,49E-04	1,77E-04	5,99E-05	1,26E-06	0,00E+00	1,10E-05	-3,69E-05
Ozone depletion	kg CFC 11 eq.	4,21E-12	4,21E-12	9,66E-16	1,70E-15	0,00E+00	2,14E-16	-2,43E-13
Acidification	mol H+ eq.	5,02E-04	4,90E-04	9,00E-06	1,31E-06	0,00E+00	1,75E-06	-2,40E-04
Eutrophication - freshwater	kg P eq.	7,08E-07	6,55E-07	1,57E-08	2,89E-08	0,00E+00	8,22E-09	-1,12E-07
Eutrophication - marine aquatic	kg N eq.	1,36E-04	1,32E-04	3,67E-06	3,55E-07	0,00E+00	7,48E-07	-7,61E-05
Eutrophication - terrestrial	mol N- eq.	1,50E-03	1,45E-03	3,89E-05	5,31E-06	0,00E+00	7,53E-06	-7,96E-04
Photochemical ozone formation	kg NMVOC	3,98E-04	3,87E-04	8,02E-06	1,01E-06	0,00E+00	1,66E-06	-2,58E-04
Resource use, mineral and metals	kg Sb eq.	1,11E-05	1,11E-05	3,87E-10	2,40E-11	0,00E+00	7,15E-11	-9,17E-09
Resource use, fossils	MJ	3,84E+00	3,75E+00	7,46E-02	4,75E-03	0,00E+00	1,39E-02	-1,82E+00
Water use	m^3	9,05E-03	8,33E-03	2,66E-05	6,75E-04	0,00E+00	1,34E-05	-1,52E-02

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	4,42E-09	4,31E-09	8,03E-11	1,50E-11	0,00E+00	1,56E-11	-2,65E-09
Ionising radiation, human health	kBq U235 eq.	1,25E-02	1,24E-02	2,02E-05	1,60E-05	0,00E+00	4,22E-06	-4,69E-03
Ecotoxicity, freshwater	CTUe	2,23E+00	2,11E+00	9,70E-02	5,02E-03	0,00E+00	1,80E-02	-7,23E-01
Human toxicity, cancer	CTUh	1,70E-10	1,68E-10	1,31E-12	1,39E-13	0,00E+00	2,45E-13	-2,57E-11
Human toxicity, non-cancer	CTUh	2,22E-09	2,13E-09	7,31E-11	9,20E-12	0,00E+00	1,38E-11	-3,20E-10
Land Use	-	3,04E+00	3,00E+00	3,30E-02	1,20E-03	0,00E+00	6,06E-03	-1,06E-01

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	1,85E+00	1,84E+00	5,62E-03	9,61E-04	0,00E+00	1,06E-03	-1,58E-01
Total use of renewable primary energy resources	MJ	1,85E+00	1,84E+00	5,62E-03	9,61E-04	0,00E+00	1,06E-03	-1,58E-01
Use of non-renewable primary energy	MJ	3,84E+00	3,75E+00	7,46E-02	4,75E-03	0,00E+00	1,39E-02	-1,82E+00
Total use of non-renewable primary energy resources	MJ	3,84E+00	3,75E+00	7,46E-02	4,75E-03	0,00E+00	1,39E-02	-1,82E+00
Input of secondary material	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels (RSF)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non-renewable secondary fuels (NRSF)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of net fresh water	m^3	1,94E-03	1,92E-03	2,78E-06	1,61E-05	0,00E+00	7,16E-07	-4,14E-04

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	3,92E-09	3,92E-09	2,99E-12	1,77E-12	0,00E+00	5,91E-13	-3,49E-10
Non-hazardous waste disposed	kg	2,18E-02	1,93E-02	1,04E-05	2,33E-03	0,00E+00	1,94E-04	-5,93E-04
Radioactive waste disposed	kg	8,23E-05	8,20E-05	1,41E-07	1,19E-07	0,00E+00	2,93E-08	-2,82E-05

*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
1059000000 1162600000 1227890000 1478990000	Total*	5,99E-01	6,06E-01	-7,50E-03	7,72E-04	9,55E-12	1,22E-03	1,95E-06	3,43E-04	3,70E-03	9,58E-04	2,67E-05	8,76E+00	1,67E-02
	Manufacturing	5,75E-01	5,87E-01	-1,22E-02	5,77E-04	9,54E-12	1,19E-03	1,87E-06	3,30E-04	3,57E-03	9,30E-04	2,67E-05	8,51E+00	1,63E-02
	Distribution	1,55E-02	1,57E-02	-3,49E-04	1,62E-04	2,61E-15	2,44E-05	4,25E-08	9,93E-06	1,05E-04	2,17E-05	1,05E-09	2,02E-01	7,20E-05
	Installation	4,84E-03	3,47E-04	4,50E-03	1,86E-06	6,14E-16	1,56E-06	1,53E-08	7,34E-07	6,44E-06	2,26E-06	1,98E-11	4,66E-03	2,98E-04
	Use	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	End of Life	3,76E-03	3,17E-03	5,59E-04	3,02E-05	5,87E-16	4,81E-06	2,26E-08	2,06E-06	2,07E-05	4,55E-06	1,97E-10	3,81E-02	3,69E-05
	Module D	-2,43E-01	-2,73E-01	3,01E-02	-1,97E-04	-5,99E-13	-5,98E-04	-5,94E-07	-2,24E-04	-2,30E-03	-7,23E-04	-2,96E-08	-4,52E+00	-3,02E-02
1061210000 1479000000 1859200000	Total*	2,66E-01	2,55E-01	9,83E-03	2,49E-04	4,21E-12	5,02E-04	7,08E-07	1,36E-04	1,50E-03	3,98E-04	1,11E-05	3,84E+00	9,05E-03
	Manufacturing	2,51E-01	2,41E-01	9,76E-03	1,77E-04	4,21E-12	4,90E-04	6,55E-07	1,32E-04	1,45E-03	3,87E-04	1,11E-05	3,75E+00	8,33E-03
	Distribution	5,74E-03	5,81E-03	-1,29E-04	5,99E-05	9,66E-16	9,00E-06	1,57E-08	3,67E-06	3,89E-05	8,02E-06	3,87E-10	7,46E-02	2,66E-05
	Installation	7,15E-03	7,15E-03	-1,11E-06	1,26E-06	1,70E-15	1,31E-06	2,89E-08	3,55E-07	5,31E-06	1,01E-06	2,40E-11	4,75E-03	6,75E-04
	Use	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	End of Life	1,37E-03	1,15E-03	2,03E-04	1,10E-05	2,14E-16	1,75E-06	8,22E-09	7,48E-07	7,53E-06	1,66E-06	7,15E-11	1,39E-02	1,34E-05
	Module D	-1,01E-01	-1,01E-01	3,38E-04	-3,69E-05	-2,43E-13	-2,40E-04	-1,12E-07	-7,61E-05	-7,96E-04	-2,58E-04	-9,17E-09	-1,82E+00	-1,52E-02
1067600000	Total*	3,93E-01	4,32E-01	-3,95E-02	7,21E-04	4,85E-12	8,14E-04	1,54E-06	2,51E-04	2,62E-03	7,20E-04	1,29E-05	6,60E+00	1,34E-02
	Manufacturing	3,65E-01	4,11E-01	-4,69E-02	5,17E-04	4,84E-12	7,81E-04	1,45E-06	2,37E-04	2,48E-03	6,89E-04	1,29E-05	6,34E+00	1,28E-02
	Distribution	1,70E-02	1,72E-02	-3,81E-04	1,77E-04	2,85E-15	2,66E-05	4,64E-08	1,08E-05	1,15E-04	2,37E-05	1,14E-09	2,20E-01	7,87E-05
	Installation	7,90E-03	5,65E-04	7,33E-03	3,03E-06	1,00E-15	2,54E-06	2,49E-08	1,20E-06	1,05E-05	3,69E-06	3,23E-11	7,59E-03	4,86E-04
	Use	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	End of Life	3,02E-03	2,55E-03	4,49E-04	2,43E-05	4,72E-16	3,86E-06	1,81E-08	1,65E-06	1,66E-05	3,65E-06	1,58E-10	3,06E-02	2,96E-05
	Module D	-2,13E-01	-2,62E-01	4,91E-02	-2,65E-04	-6,02E-13	-5,84E-04	-7,72E-07	-2,28E-04	-2,32E-03	-7,10E-04	-3,06E-08	-4,40E+00	-3,15E-02
1067660000	Total*	4,44E-01	4,83E-01	-3,93E-02	7,71E-04	4,94E-12	8,80E-04	1,61E-06	2,71E-04	2,84E-03	8,03E-04	1,29E-05	7,51E+00	1,43E-02
	Manufacturing	4,14E-01	4,61E-01	-4,67E-02	5,47E-04	4,94E-12	8,44E-04	1,51E-06	2,57E-04	2,68E-03	7,70E-04	1,29E-05	7,23E+00	1,37E-02
	Distribution	1,85E-02	1,87E-02	-4,14E-04	1,92E-04	3,10E-15	2,89E-05	5,04E-08	1,18E-05	1,25E-04	2,58E-05	1,24E-09	2,40E-01	8,55E-05
	Installation	7,90E-03	5,65E-04	7,33E-03	3,03E-06	1,00E-15	2,54E-06	2,49E-08	1,20E-06	1,05E-05	3,69E-06	3,23E-11	7,59E-03	4,86E-04
	Use	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	End of Life	3,57E-03	3,01E-03	5,31E-04	2,87E-05	5,58E-16	4,57E-06	2,14E-08	1,95E-06	1,97E-05	4,32E-06	1,87E-10	3,62E-02	3,50E-05

	Module D	-2,64E-01	-3,13E-01	4,91E-02	-2,82E-04	-7,08E-13	-6,91E-04	-8,33E-07	-2,69E-04	-2,75E-03	-8,49E-04	-3,37E-08	-5,29E+00	-3,80E-02
3112290000	Total*	1,76E-01	1,66E-01	9,94E-03	2,17E-04	4,07E-12	3,85E-04	5,75E-07	9,90E-05	1,11E-03	2,39E-04	1,13E-05	2,03E+00	5,05E-03
	Manufacturing	1,71E-01	1,61E-01	9,82E-03	1,66E-04	4,07E-12	3,77E-04	5,55E-07	9,58E-05	1,08E-03	2,32E-04	1,13E-05	1,97E+00	4,99E-03
	Distribution	3,78E-03	3,83E-03	-8,49E-05	3,95E-05	6,36E-16	5,93E-06	1,03E-08	2,42E-06	2,57E-05	5,29E-06	2,55E-10	4,91E-02	1,75E-05
	Installation	2,79E-04	2,79E-04	-4,33E-08	4,93E-08	6,61E-17	5,10E-08	1,13E-09	1,39E-08	2,07E-07	3,93E-08	9,36E-13	1,85E-04	2,63E-05
	Use	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	End of Life	1,38E-03	1,16E-03	2,05E-04	1,11E-05	2,15E-16	1,76E-06	8,27E-09	7,53E-07	7,58E-06	1,67E-06	7,20E-11	1,39E-02	1,35E-05
	Module D	-8,94E-02	-8,92E-02	-1,94E-04	-2,78E-05	-1,85E-13	-1,91E-04	-9,64E-08	-6,78E-05	-7,06E-04	-2,32E-04	-7,79E-09	-1,48E+00	-9,47E-03
3173560000	Total*	2,39E-01	2,28E-01	1,01E-02	2,11E-04	4,14E-12	4,59E-04	6,48E-07	1,24E-04	1,37E-03	3,48E-04	1,13E-05	3,21E+00	5,04E-03
	Manufacturing	2,33E-01	2,23E-01	9,98E-03	1,60E-04	4,14E-12	4,52E-04	6,28E-07	1,21E-04	1,33E-03	3,41E-04	1,13E-05	3,15E+00	4,98E-03
	Distribution	3,78E-03	3,83E-03	-8,49E-05	3,95E-05	6,36E-16	5,93E-06	1,03E-08	2,42E-06	2,57E-05	5,29E-06	2,55E-10	4,91E-02	1,75E-05
	Installation	2,79E-04	2,79E-04	-4,33E-08	4,93E-08	6,61E-17	5,10E-08	1,13E-09	1,39E-08	2,07E-07	3,93E-08	9,36E-13	1,85E-04	2,63E-05
	Use	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
	End of Life	1,38E-03	1,16E-03	2,05E-04	1,11E-05	2,15E-16	1,76E-06	8,27E-09	7,53E-07	7,58E-06	1,67E-06	7,20E-11	1,39E-02	1,35E-05
	Module D	-8,95E-02	-8,96E-02	1,03E-04	-2,89E-05	-1,88E-13	-1,92E-04	-9,92E-08	-6,81E-05	-7,09E-04	-2,32E-04	-7,88E-09	-1,49E+00	-9,53E-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'.

Date of issue: 12.02.2026	Validity period: 5 Years

Document in compliance with ISO 14021
« Environmental labels and declarations - Self-declared environmental claims (Type II environmental labelling) »

