

Environmental Product Declaration

UR20-EBK-ACC



Company Information

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Contact

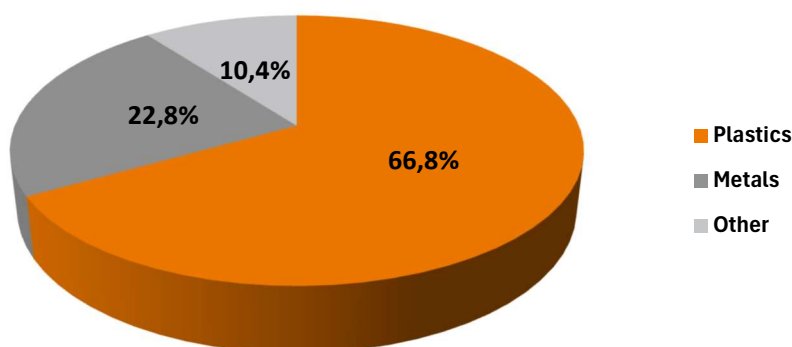
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General Data

Version	End bracket
Order No.	1346610000
Type	UR20-EBK-ACC
Function	For permanent mounting on the terminal rail and sliding prevention
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.

Constituent Materials

The total weight of the product is 60,4 g (including packaging material). The constituent materials are distributed as follows:



Categorisation according to the material classes of IEC 62474:

Plastics			Metals			Other		
M-204	Polycarbonate (PC)	66,8 %	M-119	Non-stainless steel	22,8 %	M-341	Paper	10,4 %
Plastics in total		66,8 %	Metals in total		22,8 %	Others in total		10,4 %

The product is 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/en/ur20-ebk-acc/p/1346610000>

Additional Environmental Information

Manufacture	The End bracket UR20-EBK-ACC is manufactured at a Weidmüller Interface production site on which an ISO 14001 and 50.001 certified environmental management system has been established.
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 and 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 bracket			
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, v10.9.1.10			
Database	LCA for Experts 10.9.1			
Energy model	Manufacture	Installation	Use	End of Life
	Germany	-	-	Europe

Environmental impact indicators

Indicator	Unit	Total	Manufacture	Distribution	Installation	Use	End of Life	Benefits
Climate change - total	kg CO ₂ eq.	3,25E-01	6,58E-01	2,57E-02	2,47E-03	0,00E+00	8,89E-03	-3,70E-01
Climate change - fossil	kg CO ₂ eq.	3,18E-01	6,73E-01	2,60E-02	1,77E-04	0,00E+00	7,50E-03	-3,89E-01
Climate change - biogenic	kg CO ₂ eq.	6,32E-03	-1,61E-02	-5,75E-04	2,30E-03	0,00E+00	1,32E-03	1,94E-02
Climate change -land use and land use change	kg CO ₂ eq.	7,33E-04	6,26E-04	2,68E-04	9,50E-07	0,00E+00	7,15E-05	-2,32E-04
Ozone depletion	kg CFC 11 eq.	5,05E-12	7,16E-12	4,31E-15	3,13E-16	0,00E+00	1,39E-15	-2,12E-12
Acidification	mol H+ eq.	7,24E-04	1,33E-03	4,89E-05	7,96E-07	0,00E+00	1,14E-05	-6,70E-04
Eutrophication - freshwater	kg P eq.	8,25E-07	1,71E-06	7,01E-08	7,81E-09	0,00E+00	5,34E-08	-1,02E-06
Eutrophication - marine aquatic	kg N eq.	2,04E-04	3,64E-04	2,09E-05	3,75E-07	0,00E+00	4,86E-06	-1,86E-04
Eutrophication - terrestrial	mol N- eq.	2,39E-03	4,10E-03	2,24E-04	3,29E-06	0,00E+00	4,90E-05	-1,98E-03
Photochemical ozone formation	kg NMVOC	6,09E-04	1,19E-03	4,40E-05	1,16E-06	0,00E+00	1,08E-05	-6,38E-04
Resource use, mineral and metals	kg Sb eq.	4,70E-07	8,25E-07	1,73E-09	1,01E-11	0,00E+00	4,65E-10	-3,58E-07
Resource use, fossils	MJ	4,09E+00	1,08E+01	3,33E-01	2,38E-03	0,00E+00	9,01E-02	-7,09E+00
Water use	m3	6,11E-03	1,73E-02	1,19E-04	1,52E-04	0,00E+00	8,72E-05	-1,16E-02

Additional environmental impact indicators

Indicator	Unit	Total	Manufacture	Distribution	Installation	Use	End of Life	Benefits
Particulate matter	Disease incidences	8,74E-09	1,49E-08	4,10E-10	6,20E-12	0,00E+00	1,02E-10	-6,70E-09
Ionising radiation, human health	kBq U235 eq.	1,07E-02	1,98E-02	9,03E-05	5,01E-06	0,00E+00	2,75E-05	-9,29E-03
Ecotoxicity, freshwater	CTUe	4,32E+00	1,34E+01	4,33E-01	2,26E-03	0,00E+00	1,17E-01	-9,67E+00
Human toxicity, cancer	CTUh	2,72E-10	3,68E-10	5,84E-12	4,23E-14	0,00E+00	1,59E-12	-1,03E-10
Human toxicity, non-cancer	CTUh	2,34E-09	3,68E-09	3,27E-10	2,87E-12	0,00E+00	8,99E-11	-1,75E-09
Land Use	-	1,68E+00	2,67E+00	1,47E-01	6,49E-04	0,00E+00	3,94E-02	-1,18E+00

Resources use indicators

Indicator	Unit	Total	Manufacture	Distribution	Installation	Use	End of Life	Benefits
Use of renewable primary energy	MJ	2,08E+00	3,22E+00	2,51E-02	2,80E-04	0,00E+00	6,87E-03	-1,17E+00
Total use of renewable primary energy resources	MJ	2,08E+00	3,22E+00	2,51E-02	2,80E-04	0,00E+00	6,87E-03	-1,17E+00
Use of non-renewable primary energy	MJ	4,09E+00	1,08E+01	3,33E-01	2,38E-03	0,00E+00	9,01E-02	-7,09E+00
Total use of non-renewable primary energy resources	MJ	4,09E+00	1,08E+01	3,33E-01	2,38E-03	0,00E+00	9,01E-02	-7,09E+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 net fresh water	m³	-4,27E-03	2,49E-03	1,24E-05	3,64E-06	0,00E+00	4,65E-06	-6,78E-03

Waste category indicators

Indicator	Unit	Total	Manufacture	Distribution	Installation	Use	End of Life	Benefits
Hazardous waste disposed	kg	7,46E-09	1,57E-08	1,34E-11	3,89E-13	0,00E+00	3,84E-12	-8,21E-09
Non-hazardous waste disposed	kg	1,70E-02	1,19E-02	4,65E-05	7,38E-04	0,00E+00	1,26E-03	2,99E-03
Radioactive waste disposed	kg	6,50E-05	1,64E-04	6,29E-07	3,28E-08	0,00E+00	1,90E-07	-9,94E-05

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Validity period: 5 Years

Document in compliance with ISO 14021

« Environmental labels and declarations - Self-declared environmental claims (Type II environmental labelling) »