Product Environmental Profile

MUREVA BOX - UNIVERSAL FIXING FOR MESH TRY

Description of the product	Mureva BOX Universal fixing intended for the fixing of < 105 x 105 mm (internal dimension) junction boxes on all types of mesh trays.
Functional unit	Intended for the fixing of < 105 x 105 mm (internal dimension) junction boxes on all types of mesh trays for 20 years as per standards.

Reference product mass	

	Plastics	94.8%
	Metals	0.0%
	Others	5.2%

Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 8 June 2011) and do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium or flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers - PBDE) as mentioned in the Directive

As the products of the range are designed in accordance with the RoHS Directive (European Directive 2002/95/EC of 27 January 2003), they can be incorporated without any restriction in an assembly or an installation subject to this Directive.

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website
http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page

🌿 Additional environmental information

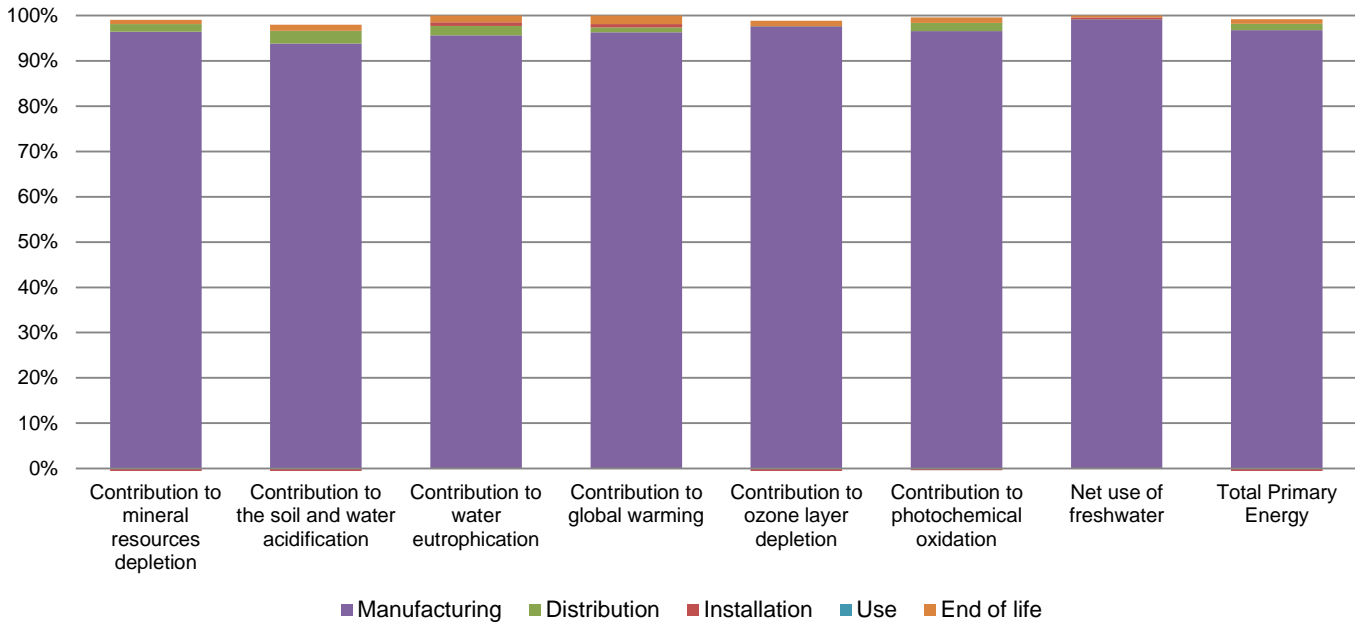| The MUREVA BOX - UNIVERSAL FIXING FOR MESH TRY presents the following relevent environmental aspects	
Manufacturing	Manufactured at a Schneider Electric production site ISO14001 certified
Distribution	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 1 g, consisting of cardboard (21.44%), PE film (38.64%), paper (39.9%) Product distribution optimised by setting up local distribution centres
Installation	Ref ENN08162 does not require any installation operations.
Use	The product does not require special maintenance operations.
End of life	End of life optimized to decrease the amount of waste and allow recovery of the product components and materials treatment process. Recyclability potential: **0%**　(version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).

🌿 Environmental impacts

Reference life time	20 years
Product category	Unequipped enclosures and cabinets
Installation elements	No special components needed
Use scenario	Non applicable for unequipped enclosures and cabinets
Geographical representativeness	Nordic Countries
Technological representativeness	Mureva BOX Universal fixing intended for the fixing of < 105 x 105 mm (internal dimension) junction boxes on all types of mesh trays.

Energy model used	Manufacturing	Installation	Use	End of life
	Energy model used: Sarel Plant, Sarre Union, France	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity grid mix; AC; consumption mix, at consumer; < 1kV; EU-27

Compulsory indicators		MUREVA BOX - UNIVERSAL FIXING FOR MESH TRY - ENN08162					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	3.59E-09	3.53E-09	6.32E-11	0*	0*	3.40E-11
Contribution to the soil and water acidification	kg SO_2 eq	2.47E-04	2.41E-04	7.21E-06	0*	0*	3.59E-06
Contribution to water eutrophication	kg PO_4^{3-} eq	7.93E-05	7.58E-05	1.66E-06	6.46E-07	0*	1.19E-06
Contribution to global warming	kg CO_2 eq	1.44E-01	1.39E-01	1.58E-03	1.03E-03	0*	2.76E-03
Contribution to ozone layer depletion	kg CFC11 eq	7.05E-09	7.04E-09	3.20E-12	0*	0*	8.80E-11
Contribution to photochemical oxidation	kg C_2H_4 eq	2.83E-05	2.75E-05	5.14E-07	0*	0*	3.58E-07
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	4.36E-04	4.32E-04	1.41E-07	1.62E-06	0*	1.89E-06
Total Primary Energy	MJ	1.62E+00	1.59E+00	2.23E-02	0*	0*	1.67E-02

■ Manufacturing   ■ Distribution   ■ Installation   ■ Use   ■ End of life

Optional indicators		MUREVA BOX - UNIVERSAL FIXING FOR MESH TRY - ENN08162					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	1.76E+00	1.74E+00	2.22E-02	0*	0*	1.53E-02
Contribution to air pollution	m³	1.07E+01	1.05E+01	6.72E-02	0*	0*	1.25E-01
Contribution to water pollution	m³	3.70E+00	3.29E+00	2.60E-01	0*	0*	1.71E-01
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	4.73E-04	4.73E-04	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	3.50E-02	3.61E-02	2.97E-05	0*	0*	1.83E-05
Total use of non-renewable primary energy resources	MJ	1.58E+00	1.56E+00	2.23E-02	0*	0*	1.67E-02
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	3.04E-02	3.15E-02	2.97E-05	0*	0*	1.83E-05
Use of renewable primary energy resources used as raw material	MJ	4.58E-03	4.58E-03	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.29E+00	1.27E+00	2.23E-02	0*	0*	1.67E-02
Use of non renewable primary energy resources used as raw material	MJ	2.91E-01	2.91E-01	0*	0*	0*	0*
Use of non renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*
Use of renewable secondary fuels	MJ	0.00E+00	0*	0*	0*	0*	0*
Waste categories	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Hazardous waste disposed	kg	2.99E-02	7.43E-03	0*	0*	0*	2.24E-02
Non hazardous waste disposed	kg	4.50E-02	4.64E-02	5.61E-05	0*	0*	5.08E-05
Radioactive waste disposed	kg	3.69E-05	3.78E-05	3.99E-08	0*	0*	8.29E-08
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	1.09E-04	1.09E-04	0*	0*	0*	0*
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	6.41E-04	8.15E-05	0*	0*	0*	5.60E-04
Exported Energy	MJ	2.37E-04	0*	0*	2.37E-04	0*	0*

represents less than 0.01% of the total life cycle of the reference flow

Life cycle assessment performed with EIME version EIME v5.6.0.1, database version 2016-11 in compliance with ISO14044.

The manufacturing phase is the life cycle phase which has the greatest impact on the majority of environmental indicators (based on compulsory indicators).