

# Product Environmental Profile

1G BELL PUSH W/DO NOT DIS & PLS CLEAN UP





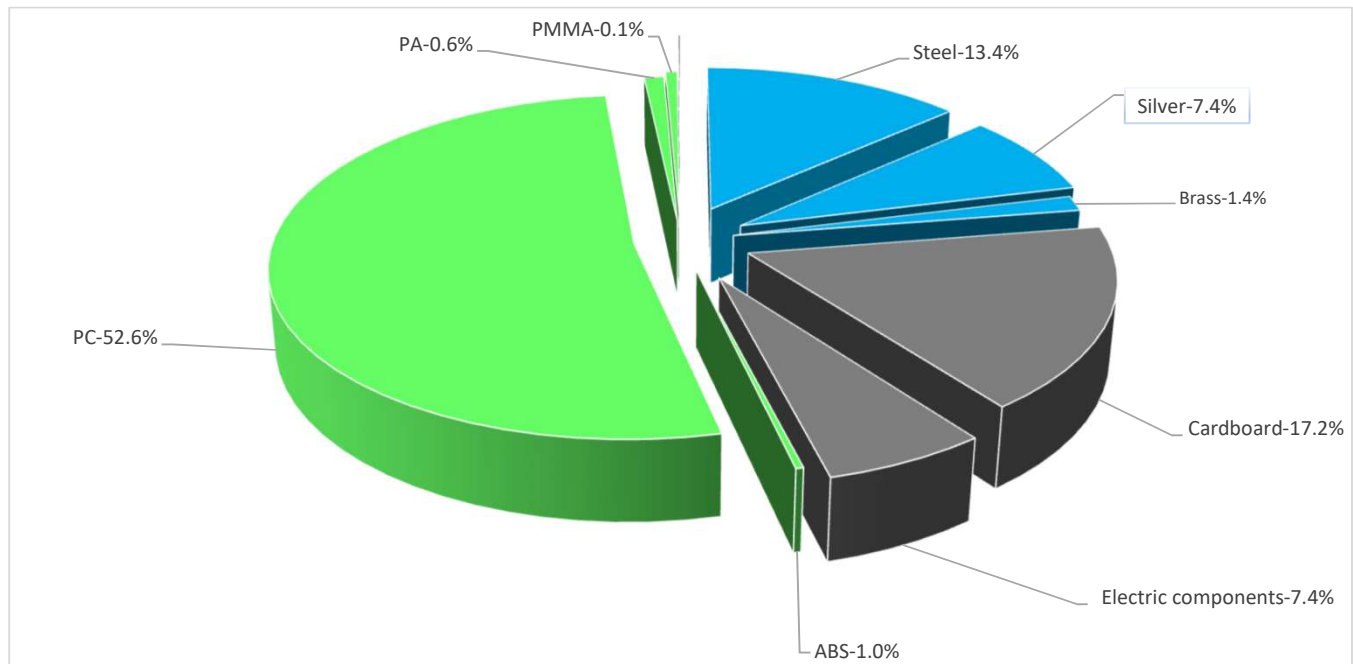
## General information

<b>Representative product</b>	1G BELL PUSH W/DO NOT DIS & PLS CLEAN UP - E3031VBPDM WW
<b>Description of the product</b>	It is a bell push button using for clean warning in the hotel The main purpose of the Hotel control switch and message indicator is the devices cater for the hotel's needs.
<b>Functional unit</b>	Establish, support and interrupt for 20 years rated currents in normal conditions of circuit characterized by the current 4A, including any conditions specified for overload in operation characterized by the current 4.6A, for the operating voltage 250V and a current for short-circuit 5KA for a specified time.



## Constituent materials

<b>Reference product mass</b>	101.3 g including the product, its packaging and additional elements and accessories
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Plastics	53.6%
Metals	22.5%
Others	23.8%



## 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 1G BELL PUSH W/DO NOT DIS & PLS CLEAN UP presents the following relevant environmental aspects

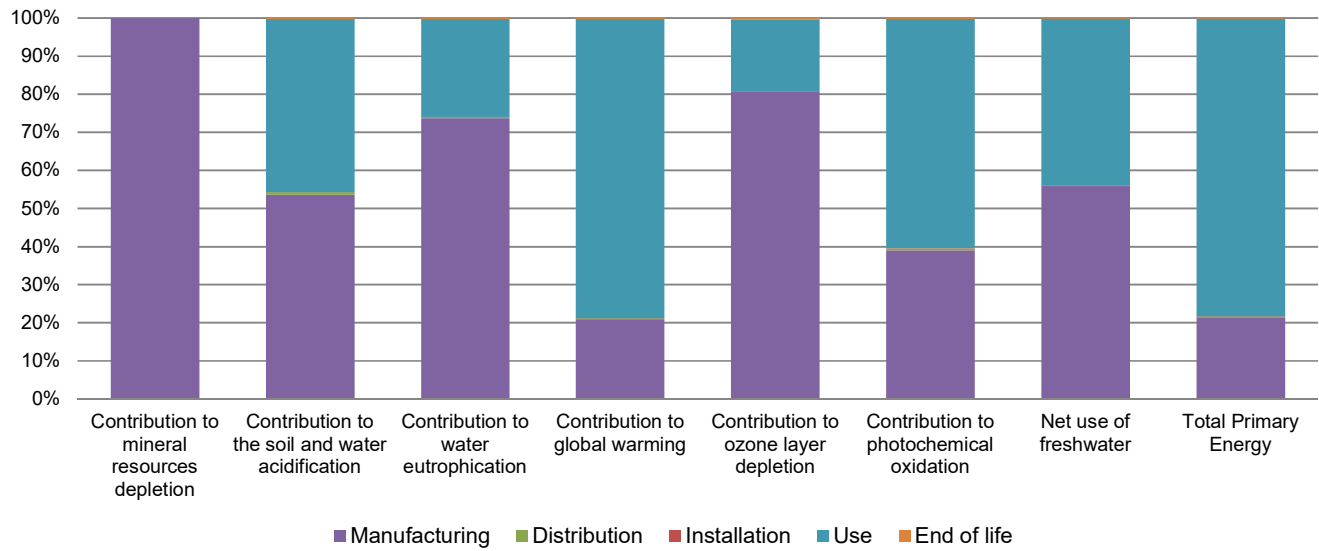
<b>Manufacturing</b>	Manufactured at a Schneider Electric production site ISO14001 certified		
<b>Distribution</b>	Weight and volume of the packaging optimized, based on the European Union's packaging directive		
	Packaging weight is 17.3 g, consisting of Cardboard(100%) Product distribution optimised by setting up local distribution centres		
<b>Installation</b>	Reference E3031VBPDM WW do not need any installation operations.		
<b>Use</b>	The product does not require special maintenance operations.		
<b>End of life</b>	End of life optimized to decrease the amount of waste and allow recovery of the product components and materials		
	No special end-of-life treatment required. According to countries' practices this product can enter the usual end-of-life treatment process.		
	Recyclability potential:	<b>24%</b>	Based on "ECO'DEEE recyclability and recoverability calculation method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).



## Environmental impacts

<b>Reference life time</b>	20 years			
<b>Product category</b>	Switches			
<b>Installation elements</b>	No special installation components need during installation phase, but transport of packaging to disposal, and disposal of packaging accounted for during installation			
<b>Use scenario</b>	Load rate: 50% of In Use time rate: 30% of RLT			
<b>Geographical representativeness</b>	China			
<b>Technological representativeness</b>	It is a bell push button using for clean warning in the hotel The main purpose of the Hotel control switch and message indicator is the devices cater for the hotel's needs.			
<b>Energy model used</b>	<b>Manufacturing</b>	<b>Installation</b>	<b>Use</b>	<b>End of life</b>
	Energy model used: Vietnam	Electricity mix; AC; consumption mix, at consumer; 220V; CN	Electricity mix; AC; consumption mix, at consumer; 220V; CN	Electricity mix; AC; consumption mix, at consumer; 220V; CN

Compulsory indicators		1G BELL PUSH W/DO NOT DIS & PLS CLEAN UP - E3031VBPDM WW					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	5.47E-03	5.47E-03	0*	0*	0*	0*
Contribution to the soil and water acidification	kg SO <sub>2</sub> eq	9.79E-03	5.25E-03	5.97E-05	3.90E-06	4.45E-03	2.58E-05
Contribution to water eutrophication	kg PO <sub>4</sub> <sup>3-</sup> eq	4.56E-03	3.36E-03	1.37E-05	9.48E-07	1.17E-03	7.71E-06
Contribution to global warming	kg CO <sub>2</sub> eq	5.23E+00	1.10E+00	1.31E-02	9.36E-04	4.11E+00	1.60E-02
Contribution to ozone layer depletion	kg CFC11 eq	1.73E-07	1.40E-07	2.65E-11	0*	3.27E-08	6.13E-10
Contribution to photochemical oxidation	kg C <sub>2</sub> H <sub>4</sub> eq	8.74E-04	3.41E-04	4.26E-06	2.92E-07	5.26E-04	2.64E-06
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m <sup>3</sup>	1.04E-02	5.83E-03	1.17E-06	0*	4.58E-03	1.24E-05
Total Primary Energy	MJ	8.60E+01	1.85E+01	1.85E-01	1.22E-02	6.72E+01	1.23E-01



Optional indicators		1G BELL PUSH W/DO NOT DIS & PLS CLEAN UP - E3031VBPDM WW						
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	
Contribution to fossil resources depletion	MJ	8.09E+01	1.64E+01	1.84E-01	1.22E-02	6.42E+01	1.13E-01	
Contribution to air pollution	m³	5.99E+02	1.72E+02	5.56E-01	0*	4.26E+02	9.02E-01	
Contribution to water pollution	m³	3.78E+02	1.71E+02	2.15E+00	1.42E-01	2.04E+02	1.14E+00	
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	
Use of secondary material	kg	2.50E-03	2.50E-03	0*	0*	0*	0*	
Total use of renewable primary energy resources	MJ	4.98E+00	1.54E+00	0*	0*	3.45E+00	0*	
Total use of non-renewable primary energy resources	MJ	8.10E+01	1.70E+01	1.85E-01	1.22E-02	6.37E+01	1.23E-01	
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	4.64E+00	1.19E+00	0*	0*	3.45E+00	0*	
Use of renewable primary energy resources used as raw material	MJ	3.44E-01	3.44E-01	0*	0*	0*	0*	
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	7.91E+01	1.51E+01	1.85E-01	1.22E-02	6.37E+01	1.23E-01	
Use of non renewable primary energy resources used as raw material	MJ	1.92E+00	1.92E+00	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	1.48E+01	1.45E+01	0*	0*	1.32E-01	1.47E-01	
Non hazardous waste disposed	kg	1.48E+00	7.31E-01	4.64E-04	0*	7.45E-01	3.76E-04	
Radioactive waste disposed	kg	5.10E-04	4.85E-04	3.31E-07	0*	2.45E-05	6.04E-07	
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	
Materials for recycling	kg	4.67E-02	9.36E-03	0*	1.72E-02	0*	2.01E-02	
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	
Materials for energy recovery	kg	2.67E-03	0*	0*	0*	0*	2.67E-03	
Exported Energy	MJ	5.47E-05	5.14E-06	0*	4.96E-05	0*	0*	

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

Life cycle assessment performed with EIME version EIME v5.7.0.2, 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).

Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.

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		Validity period	5 years
<i>Independent verification of the declaration and data, in compliance with ISO 14025 : 2010</i>			
Internal	External X		
<i>The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)</i>			
<i>PEP are compliant with XP C08-100-1 :2014</i>			
<i>The elements of the present PEP cannot be compared with elements from another program.</i>			
<i>Document in compliance with ISO 14025 : 2010 « Environmental labels and declarations. Type III environmental declarations »</i>			



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