



## FIRE SAFETY SYSTEMS Conventional Manual Call Point

### General Information

#### Product Identifications

- Functional Unit:** Emit information of a fire outbreak inside a building by manual action on a specific built-in device.  
 This function is provided for 12 years by its self-contained power supply.
- Declared unit** Report a fire outbreak inside a building using a MCP
- Reference Products:** Conventional Manual Call Point Surface-Mounted - Waterproof IP66 (NUG30312)
- Technical description:** Fire alarm - MCP, IP66, NF certified Sa11062
- Products covered:** (NUG30312), (NUG30316), (NUG30325), (NUG30344)

#### Company Information

Eaton Cooper Security SAS  
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### Materials and Substances

**Mass of the reference product** 0.241 kg Including packaging

#### Substances assessment

The reference product does not contain any substances prohibited by regulations in force at the time of its market release. Specifically, it does not include any substances targeted by the RoHS Directive 2011/65/EU as amended by Delegated Directive 2015/863/EU, and its amendment 2017/2102/EU)

#### Constituent materials

PEP Material Category	Materials	Mass (kg)	Percentage (%)
Plastics	Acrylonitrile Butadiene Styrene	9.96E-02	41.3%
Plastics	Polycarbonate	4.57E-02	18.9%
Plastics	Polyester resin	4.00E-02	16.6%
Other	Cardboard	2.40E-02	9.9%
Other	Hardener	7.00E-03	2.9%
Other	Paper	5.25E-03	2.2%
Plastics	Polyamide	4.32E-03	1.8%
Metals	Stainless Steel	3.42E-03	1.4%
Metals	Copper	3.20E-03	1.3%
Other	Glass Fiber	1.70E-03	0.7%
Metals	Zinc	1.42E-03	0.6%
Plastics	Epoxy Resin	8.59E-04	0.4%
Other	Label	8.52E-04	0.4%
Plastics	Polyethylene Terephthalate	8.04E-04	0.3%
Metals	Tin	6.44E-04	0.3%
Other	Miscellaneous	2.63E-03	1.1%
Total		2.41E-01	100.0%

## Environmental impacts

### Life Cycle Assessment Methodology

The calculation of the environmental impacts is the result of a product life cycle analysis in accordance with ISO 14040/44 standards.

The environmental assessment, according to the ISO 14040 series of standards, covers the entire life cycle of the product, i.e. "from cradle to grave" including the following life cycle phases: production, distribution, installation, use and end of life.

It considers the inputs and outputs of the product to determine the environmental impacts. These are calculated using the commercial LCA software EIME (Environmental Improvement Made Easy) v6.3.0.1 with the database version CODDE-2025-04.

Indicator set used: PEP EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0

<b>Manufacturing</b>	<p>The reference product comes from sites that have received ISO14001 and ISO9001 certifications.</p> <p>The reference product is assembled in Cwmbran, United Kingdom, Energy mix: United Kingdom</p> <p>The energy and all the transportation necessary to produce the reference product, including its materials and components, has been taken into account.</p> <p>The energy models taken into account are that of the assembly site and those of the countries producing the components of the product.</p>
<b>Distribution</b>	<p>The reference product is distributed in France, from Riom, transported entirely by road, over an average distance of 500 km from the last logistics centre.</p> <p>Energy model: Europe</p>
<b>Installation</b>	<p>Installation elements that are not delivered with the product are not taken into account.</p> <p>When installing the product, only standard tools are required.</p> <p>The treatment of packaging waste is taken into account in this phase according to Default packaging end-of-life data for France scope in PSR-0007-ed2-EN-2023 12 08.</p> <p>Energy model: Europe</p>
<b>Usage</b>	<p>Reference life: 12 years.</p> <p>Consumption: The product does not consume any electricity during use phase.</p> <p>Maintenance: No maintenance Scenerio considered.</p> <p>The reference service life is also referred to as "typical". This is a theoretical period used for calculation purposes. It can never be compared to the minimum, average or actual lifetimes of the products.</p>
<b>End of life</b>	<p>The product follows the standard WEEE (Waste Electrical and Electronic Equipment) channel, which includes collection, pre-treatment, specific end-of-life treatment, and then waste disposal and recovery.</p> <p>The recyclability rate of the product is 76.02%, it is calculated according to data from the eco-organization Ecosystem.</p> <p>Energy model: Europe</p>
<b>Module D</b>	<p>Module D expresses the net benefits and burdens beyond the system boundaries: potential for reuse, repurposing, recovery and/or recycling, expressed as net impacts and benefits.</p> <p>The burdens are modelled by the impacts associated with the production of virgin materials when recycled and/or reused materials are used and the modelled end-of-life scenario.</p>

**Environmental impacts (Per FU)**

Mandatory indicators. Optional indicators.	Units	Total	Manufacturing	Distribution	Installation	Use*			End of life	Module D
			A1 – A3	A4	A5	Total B1 – B7	B2	B6	C1 – C4	
Depletion of abiotic resources - elements	kg equivalent Sb	1.92E-05	1.86E-05	2.76E-09	3.55E-09	0	0	0	5.28E-07	-1.20E-04
Depletion of abiotic resources - fossil fuels	MJ	2.75E+01	2.53E+01	1.38E-01	3.65E-01	0	0	0	1.76E+00	-6.98E+00
Acidification (AP)	mole of H <sup>+</sup> equiv	6.68E-03	5.78E-03	1.22E-05	1.32E-04	0	0	0	7.51E-04	-3.13E-03
Freshwater eutrophication	kg P eq.	1.04E-05	9.08E-06	2.90E-08	4.30E-07	0	0	0	8.96E-07	-5.86E-04
Marine aquatic eutrophication	kg of N equiv	1.32E-03	9.80E-04	2.22E-06	4.38E-05	0	0	0	2.90E-04	-4.45E-04
Terrestrial eutrophication	mole of N equiv	1.28E-02	1.12E-02	2.44E-05	3.33E-04	0	0	0	1.26E-03	-5.14E-03
Climate change - total	kg CO <sub>2</sub> eq.	1.30E+00	1.09E+00	7.75E-03	7.95E-02	0	0	0	1.17E-01	-4.14E-01
Climate change - biogenics	kg CO <sub>2</sub> eq.	3.85E-02	-1.88E-02	3.17E-08	4.80E-02	0	0	0	9.31E-03	2.84E-02
Climate change - fossil fuels	kg CO <sub>2</sub> eq.	1.26E+00	1.11E+00	7.75E-03	3.15E-02	0	0	0	1.08E-01	-4.43E-01
Climate change - land use and land use transformation	kg CO <sub>2</sub> eq.	6.87E-05	6.87E-05	1.17E-08	4.24E-10	0	0	0	3.95E-10	0
Ozone depletion	kg equivalent CFC-11	4.34E-08	2.72E-08	9.40E-11	1.67E-09	0	0	0	1.45E-08	-9.54E-09
Photochemical ozone formation	kg of NMVOC equiv	3.69E-03	3.24E-03	7.87E-06	8.04E-05	0	0	0	3.66E-04	-1.37E-03
Water scarcity	m3 of equiv. deprivation worldwide	1.50E+01	3.27E-01	2.79E-04	1.21E-02	0	0	0	1.46E+01	-2.79E+01
Ecotoxicity, fresh water	CTUe	8.57E+01	8.45E+01	2.26E-01	4.44E-01	0	0	0	4.97E-01	-3.90E+00
Human toxicity, cancer effects	CTUh	5.96E-08	5.62E-08	1.52E-12	3.31E-09	0	0	0	7.49E-11	-4.13E-09
Human toxicity, non-cancer effects	CTUh	1.58E-08	1.29E-08	2.90E-11	9.57E-11	0	0	0	2.75E-09	-3.29E-08
Ionizing radiation, human health	kBq of U <sup>235</sup> equiv.	1.20E+01	1.20E+01	2.74E-04	4.58E-03	0	0	0	9.82E-03	-1.13E+00
Impacts related to land use/soil quality	-	4.24E-01	1.96E-01	3.32E-05	8.63E-05	0	0	0	2.28E-01	-1.12E+01
Emission of fine particles	incidence of diseases	5.22E-08	4.55E-08	1.05E-10	7.45E-10	0	0	0	5.86E-09	-1.84E-08
Total use of primary energy during the life cycle	MJ	2.98E+01	2.73E+01	1.38E-01	4.82E-01	0	0	0	1.86E+00	-9.10E+00

\* The sub-modules of the use phase (B1- B7) are zero.

\*\*In accordance with the current PCR rules, the environmental indicator values indicated in the "Module D" column should not be summed with the values in the "Total" column.

The life cycle assessment is compliant with the specific rules applicable to Self-contained emergency electrical safety devices PSR0019-ed2-EN-2023 12 18, available on the website [www.pep-ecopassport.org](http://www.pep-ecopassport.org).

## Inventory flow indicator

	Units	Total	Manufacturing	Distribution	Installation	Usage*			End of life	Module D
			A1 – A3	A4	A5	Total B1 – B7	B2	B6	C1 – C4	
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	MJ	1.52E+00	1.29E+00	4.34E-04	1.17E-01	0	0	0	1.07E-01	-1.65E+00
Use of renewable primary energy resources used as raw materials	MJ	7.18E-01	7.18E-01	0	0	0	0	0	0	-4.70E-01
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	2.23E+00	2.01E+00	4.34E-04	1.17E-01	0	0	0	1.07E-01	-2.12E+00
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	MJ	2.01E+01	1.79E+01	1.38E-01	3.65E-01	0	0	0	1.76E+00	-6.96E+00
Use of non-renewable primary energy resources used as raw materials	MJ	7.40E+00	7.40E+00	0	0	0	0	0	0	-1.24E-02
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	MJ	2.75E+01	2.53E+01	1.38E-01	3.65E-01	0	0	0	1.76E+00	-6.98E+00
Use of secondary materials	Kg	0	0	0	0	0	0	0	0	0
Use of renewable secondary fuels	MJ	0	0	0	0	0	0	0	0	0
Use of non-renewable secondary fuels	MJ	0	0	0	0	0	0	0	0	0
Net use of fresh water	m <sup>3</sup>	5.06E-01	7.65E-03	6.50E-06	4.21E-04	0	0	0	4.98E-01	-6.11E-01
Components for re-use	Kg	0	0	0	0	0	0	0	0	0
Materials for recycling	Kg	1.77E-01	1.49E-09	0	2.74E-02	0	0	0	1.49E-01	0
Materials for energy recovery	Kg	4.45E-02	2.41E-03	0	1.51E-03	0	0	0	4.05E-02	0
Exported energy	MJ by energy vector	0	0	0	0	0	0	0	0	0
Hazardous waste disposed of	Kg	3.57E-01	3.43E-01	3.24E-05	1.35E-03	0	0	0	1.24E-02	-5.15E-03
Non-hazardous waste disposed of	Kg	4.71E-01	4.61E-01	7.19E-04	9.68E-03	0	0	0	5.04E-04	-9.29E-02
Radioactive waste disposed of	Kg	2.01E-04	1.98E-04	5.70E-07	1.96E-06	0	0	0	2.54E-07	-6.02E-05
Biogenic carbon content of the product	kg of C	0	0	0	0	0	0	0	0	0
Biogenic carbon content of the associated packaging	kg of C	1.72E-02	1.72E-02	0	0	0	0	0	0	0

\* The sub-modules of the use phase (B1- B7) are zero.


\*\*In accordance with the current PCR rules, the environmental indicator values indicated in the "Module D" column should not be summed with the values in the "Total" column.

**Extrapolation coefficient of environmental indicators**

		Depletion of abiotic resources - elements	Depletion of abiotic resources - fossil fuels	Acidification (AP)	Freshwater eutrophication	Marine aquatic eutrophication	Terrestrial eutrophication	Climate change - total	Climate change - biogenics	Climate change - fossil fuels	Climate change - land use and land use transformation	Ozone depletion	Photochemical ozone formation	Water scarcity
<b>NUG30316</b>	Manufacturing	1.69	0.89	1.39	0.59	1.21	1.15	0.95	1.31	0.95	1.06	0.71	1.19	1.38
	Distribution	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
	Installation	1.01	1.04	1.03	1.05	1.04	1.04	1.04	1.03	1.05	1.08	0.98	1.04	0.98
	Total Use Phase	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	End of life	1.94	1.48	1.25	1.82	0.86	1.45	1.41	0.49	1.49	0.41	1.47	1.48	1.57
	Module D	0.06	0.68	0.37	0.07	0.52	0.48	0.74	1.28	0.77	1.00	0.57	0.52	0.42
<b>NUG30325</b>	Manufacturing	1.77	0.95	1.46	0.62	1.29	1.24	1.02	1.32	1.03	1.13	0.80	1.26	1.41
	Distribution	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
	Installation	1.02	1.08	1.06	1.09	1.08	1.08	1.07	1.06	1.09	1.11	0.99	1.07	0.98
	Total Use Phase	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	End of life	2.02	1.52	1.30	1.90	0.89	1.49	1.46	0.51	1.54	0.15	1.52	1.53	1.63
	Module D	0.07	0.69	0.40	0.08	0.53	0.50	0.76	1.32	0.79	1.00	0.61	0.53	0.45
<b>NUG30344</b>	Manufacturing	1.70	0.90	1.43	0.54	1.25	1.19	0.95	1.39	0.95	0.22	0.60	1.22	1.51
	Distribution	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
	Installation	0.91	1.01	0.97	1.03	1.01	1.01	1.01	1.00	1.03	1.04	0.85	0.99	0.84
	Total Use Phase	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	End of life	1.49	1.33	1.09	1.31	0.82	1.31	1.27	0.48	1.34	0.14	1.36	1.31	1.24
	Module D	0.07	0.90	0.43	0.08	0.60	0.55	0.75	1.18	0.78	1.00	0.46	0.60	0.45

**Disclaimer**

This Product Environmental Profile and its content is based on information available to us. It refers to the product at the date of issue. We make no express or implied representations or warranties with respect to the information contained herein.

Registration N°: EATO-00490-V01.01-EN		Drafting rules: « PCR-ed4-EN-2021 09 06 » Supplemented by « PSR-0019-ed2.1-EN-2023 12 08 »	
Verifier accreditation N°: VH53		Information and reference documents: <a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a>	
Date of issue: 11-2025		Validity period: 5 years	
Independent verification of the declaration and data, in compliance with ISO 14025:2006			
Internal	X	External	
The PCR review was conducted by a panel of experts chaired by Julie Orgelet (DDemain)			
PEPs are compliant with XP C08-100-1 :2016 or EN 50693 :2019			
The components of the present PEP cannot be compared with components from another program.			
Documents complies with ISO 14025 :2006 "Environmental labels and declarations. Type III environmental declarations"			