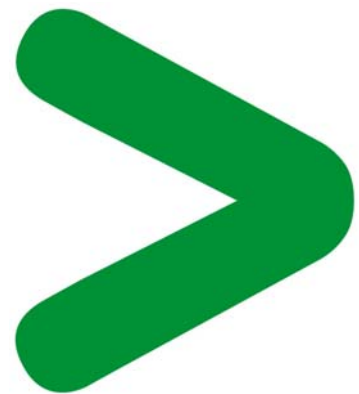


Product Environmental Profile

Harmony™ 9001KS Non-Illuminated & 9001K
Illuminated Selector Switch



Product Environmental Profile - PEP

Product overview

The main purpose of the 9001KS Non-Illuminated & 9001K Illuminated Selector Switch range is to initiate an action on a machine while viewing an operating state.

This range consists of: a selector operator with a standard/extended/coin operated knob with or without contact blocks, can be added a light module to convert to an Illuminated operator . In the case that light module and contact blocks are included, to know the environmental impacts, use the present PEP and add the impacts described on contact block subassembly PEP and the impacts from the light module subassembly PEP.

This switch head is designed for mounting in 30mm diameter holes.

The representative product used for the analysis is 9001KS11B.

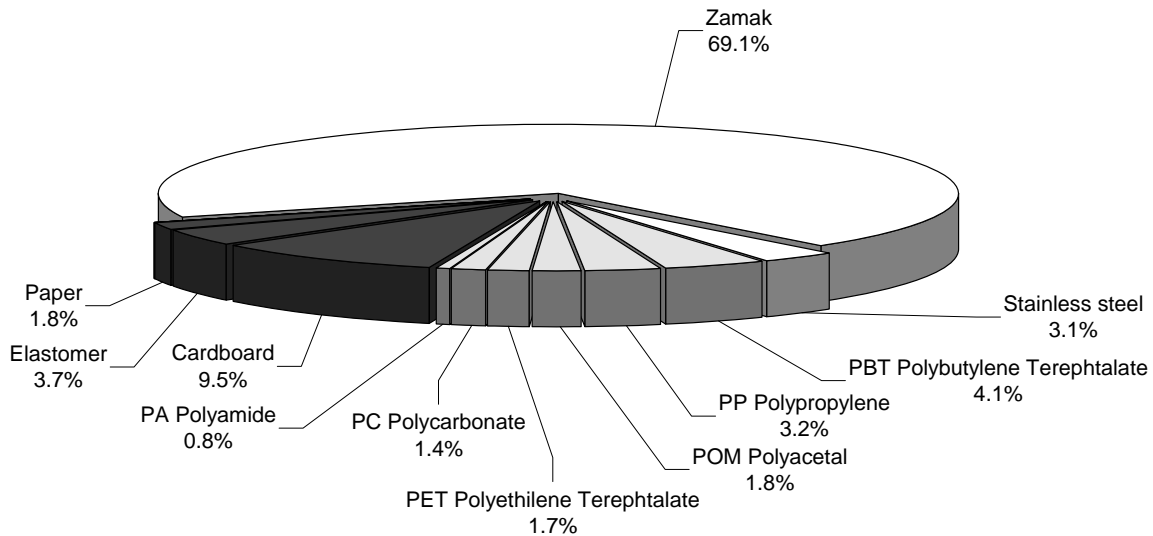
The environmental impacts of this referenced product are representative of the impacts of the other products of the range which are developed with a similar technology.

The environmental analysis was performed in conformity with ISO 14040.

Constituent materials

The mass of the product range is from 123g and 126g including packaging. It is 123g for the 9001KS11B.

The constituent materials are distributed as follows:



Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2002/95/EC of 27 January 2003) 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

Manufacturing

The 9001KS Non-Illuminated & 9001K Illuminated Selector Switch product range is manufactured at a Schneider Electric production site on which an ISO14001 certified environmental management system has been established.

Distribution

The weight and volume of the packaging have been optimized, based on the European Union's packaging directive. The 9001KS11B packaging weight is 13 g. It consists of cardboard and paper..

Use

The products of the 9001KS Non-Illuminated & 9001K Illuminated Selector Switch product range do not generate environmental pollution (noise, emissions) requiring special precautionary measures in standard use.

The products from 9001KS Non-Illuminated & 9001K Illuminated Selector Switch range don't need any electrical power consumption and maintenance operation.

End of life

At end of life, the products in the 9001KS Non-Illuminated & 9001K Illuminated Selector Switch range have been optimized to decrease the amount of waste and allow recovery of the product components and materials.

This product range doesn't need any special end-of-life treatment. According to countries' practices this product can enter the usual end-of-life treatment process.

The recyclability potential of the products has been evaluated using the "ECO DEEE recyclability and recoverability calculation method" (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).

According to this method, the potential recyclability ratio is: 54%.

As described in the recyclability calculation method this ratio includes only metals and plastics which have proven industrial recycling processes.

Environmental impacts

Life cycle assessment has been performed on the following life cycle phases: Materials and Manufacturing (M), Distribution (D), Installation (I) Use (U), and End of life (E).

Modelling hypothesis and method:

- The calculation was performed on the 9001KS11B.

- Product packaging. JTphase2.5()-7(Li)1(sis ase2TD metalsend-elling h)-6is method, the p- In-1.3835 TD

Glossary

Raw Material Depletion (RMD)	This indicator quantifies the consumption of raw materials during the life cycle of the product. It is expressed as the fraction of natural resources that disappear each year, with respect to all the annual reserves of the material.
Energy Depletion (ED)	This indicator gives the quantity of energy consumed, whether it be from fossil, hydroelectric, nuclear or other sources. This indicator takes into account the energy from the material produced during combustion. It is expressed in MJ.

W Energy Depletion (ED) Raw Material Depletion (RMD) Carbon Footprint (CF) Global Warming Potential (GWP) Acid Equivalent (AE) Photochemical Oxidant Equivalent (POE) Global Warming Potential (GWP) Acid Equivalent (AE) Photochemical Oxidant Equivalent (POE) Global Warming Potential (GWP) Acid Equivalent (AE) Photochemical Oxidant Equivalent (POE)