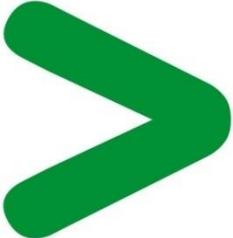


# Product Environmental Profile

ILM62 ISH DIO8 I/O Module





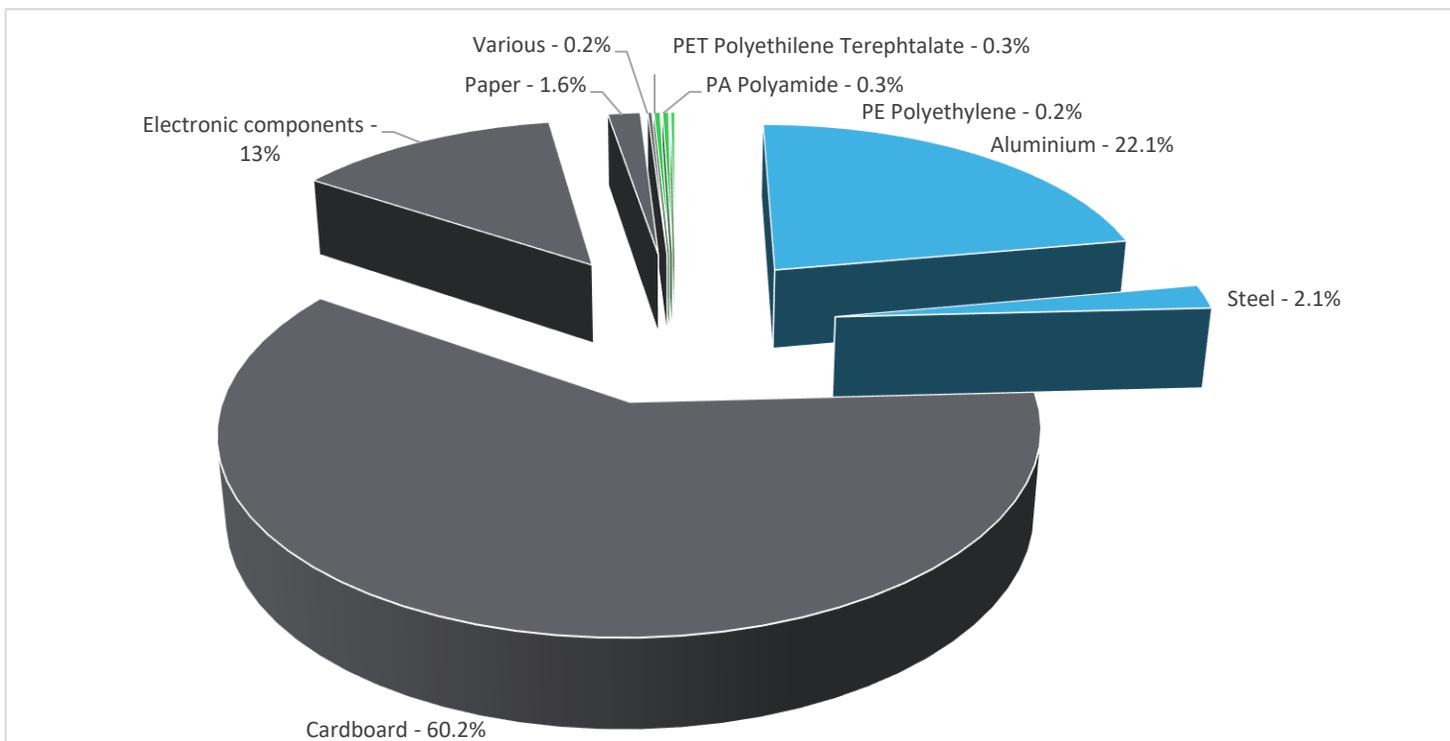
## General information

<b>Representative product</b>	ILM62 ISH DIO8 I/O Module - VW3E702100000
<b>Description of the product</b>	The ILM62 ISH DIO8 I/O Module is a Digital input /Output (8) Module directly mounted on the ISH/ILM Motor(s). This range consists of one ILM62 ISH DIO8 I/O Module
<b>Functional unit</b>	To provide to the ILM/ISH motors direct input/ouput connexion at 9.1W, for 10 years



## Constituent materials

<b>Reference product mass</b>	622.5 g including the product, its packaging and additional elements and accessories
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Plastics	0.8%
Metals	24.2%
Others	75.0%



## 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 ILM62 ISH DIO8 I/O Module presents the following relevant environmental aspects

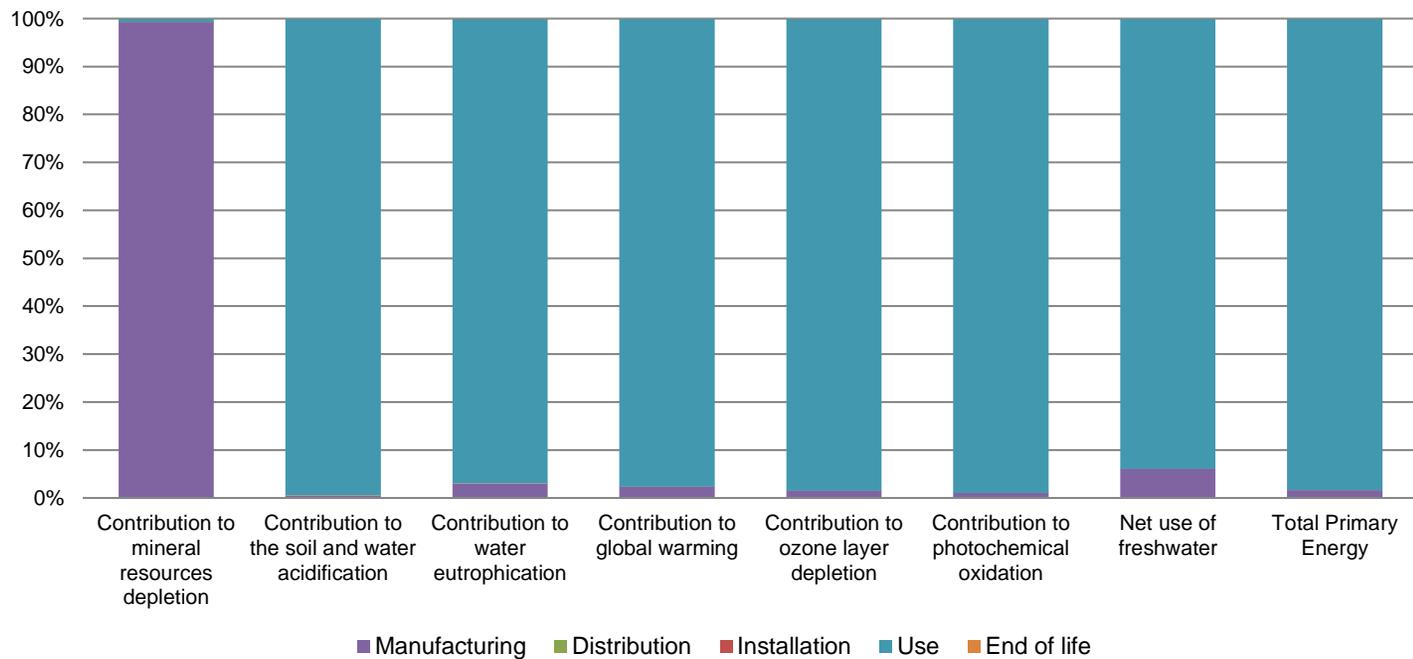
<b>Manufacturing</b>	Manufactured at a Schneider Electric production site ISO14001 certified
<b>Distribution</b>	Weight and volume of the packaging optimized, based on the European Union's packaging directive Packaging weight is 386.3 g, consisting of cardboard (95.50%), polyethylene film (3.20%) and paper (1.30%)
<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  This product contains one electronic card (37g) that should be separated from the stream of waste so as to optimize end-of-life treatment.  The location of these components and other recommendations are given in the End of Life Instruction document which is available on the Schneider-Electric Green Premium website  <a href="http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page">http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page</a>  Recyclability potential: <b>65%</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>	10 years			
<b>Installation elements</b>	No special components needed			
<b>Use scenario</b>	The product is in active mode 71.20% of the time with a power use of 9.1W, for 10 years			
<b>Geographical representativeness</b>	Europe			
<b>Technological representativeness</b>	The ILM62 ISH DIO8 I/O Module is a Digital input /Output (8) Module directly mounted on the ISH/ILM Motor(s). This range consists of one ILM62 ISH DIO8 I/O Module			
<b>Energy model used</b>	<b>Manufacturing</b>	<b>Installation</b>	<b>Use</b>	<b>End of life</b>
	Energy model used: Germany	Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27	Electricity Mix; AC; consumption mix, at consumer; < 1kV; EU-27

Compulsory indicators		ILM62 ISH DIO8 I/O Module - VW3E702100000					
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	2.02E-03	2.01E-03	0*	0*	1.53E-05	0*
Contribution to the soil and water acidification	kg SO <sub>2</sub> eq	2.55E+00	1.48E-02	3.67E-04	0*	2.53E+00	0*
Contribution to water eutrophication	kg PO <sub>4</sub> <sup>3-</sup> eq	9.81E-02	2.93E-03	8.45E-05	2.12E-05	9.50E-02	4.65E-05
Contribution to global warming	kg CO <sub>2</sub> eq	3.43E+02	8.11E+00	8.03E-02	0*	3.35E+02	1.37E-01
Contribution to ozone layer depletion	kg CFC11 eq	8.27E-05	1.26E-06	0*	0*	8.14E-05	0*
Contribution to photochemical oxidation	kg C <sub>2</sub> H <sub>4</sub> eq	1.21E-01	1.27E-03	2.62E-05	0*	1.20E-01	0*
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m <sup>3</sup>	9.30E-01	5.62E-02	0*	0*	8.74E-01	0*
Total Primary Energy	MJ	6.90E+03	1.14E+02	1.14E+00	0*	6.79E+03	0*



Optional indicators		ILM62 ISH DIO8 I/O Module - VW3E702100000						
Impact indicators	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	
Contribution to fossil resources depletion	MJ	3.55E+03	9.17E+01	1.13E+00	0*	3.45E+03	4.34E-01	
Contribution to air pollution	m <sup>3</sup>	1.51E+04	7.70E+02	3.42E+00	0*	1.44E+04	3.33E+00	
Contribution to water pollution	m <sup>3</sup>	1.48E+04	6.68E+02	1.32E+01	3.17E+00	1.41E+04	6.42E+00	
Resources use	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	
Use of secondary material	kg	8.93E-02	8.93E-02	0*	0*	0*	0*	
Total use of renewable primary energy resources	MJ	4.97E+02	1.14E+01	0*	0*	4.86E+02	0*	
Total use of non-renewable primary energy resources	MJ	6.41E+03	1.02E+02	1.13E+00	0*	6.30E+03	0*	
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	4.90E+02	3.96E+00	0*	0*	4.86E+02	0*	
Use of renewable primary energy resources used as raw material	MJ	7.47E+00	7.47E+00	0*	0*	0*	0*	
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	6.41E+03	1.01E+02	1.13E+00	0*	6.30E+03	0*	
Use of non renewable primary energy resources used as raw material	MJ	9.72E-01	9.72E-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	4.02E+00	3.61E+00	0*	0*	0*	4.04E-01	
Non hazardous waste disposed	kg	1.26E+03	3.55E+00	0*	0*	1.25E+03	0*	
Radioactive waste disposed	kg	1.03E+00	3.81E-03	0*	0*	1.02E+00	0*	
Other environmental information	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life	
Materials for recycling	kg	5.95E-01	5.53E-02	0*	3.84E-01	0*	1.55E-01	
Components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	
Materials for energy recovery	kg	3.52E-02	0*	0*	0*	0*	3.52E-02	
Exported Energy	MJ	1.22E-03	1.15E-04	0*	1.11E-03	0*	0*	

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

Life cycle assessment performed with EIME version EIME v5.8.0, database version 2016-11 in compliance with ISO14044.

The use 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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<i>Date of issue</i> 11/2018	<i>Validity period</i> 5 years
<i>Independent verification of the declaration and data, in compliance with ISO 14025 : 2010</i>	
<i>Internal</i> <i>External</i> 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>	



Schneider Electric Industries SAS

Country Customer Care Center  
<http://www.schneider-electric.com/contact>

35, rue Joseph Monier  
CS 30323  
F- 92506 Rueil Malmaison Cedex  
RCS Nanterre 954 503 439  
Capital social 896 313 776 €

[www.schneider-electric.com](http://www.schneider-electric.com)

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